Africa_Eastern BioenergyCrop production vs allocation
r2 = 0.92 pval = 0
y = 0.23 + 0.011 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.0
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern BioenergyCrop price vs production
r2 = 0.01 pval = 0.71033
y = 9.98 + −0.81454 * x
1975$ per kg (per GJ for BioeneryCrop)
10
5
0.0
0.5
1.0
1.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern BioenergyCrop price vs allocation
r2 = 0.09 pval = 0.21938
y = 11.26 + −0.02938 * x
1975$ per kg (per GJ for BioeneryCrop)
10
5
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Corn production vs allocation
r2 = 0.81 pval = 0
y = 46.57 + −0.401 * x
Mt (EJ for BioeneryCrop)
25
20
50
55
60
65
70
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Corn price vs production
r2 = 0.71 pval = 1e−05
y = −0.55 + 0.03251 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.0
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Corn price vs allocation
r2 = 0.72 pval = 1e−05
y = 1.04 + −0.01452 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
50
55
60
65
70
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FiberCrop production vs allocation
r2 = 0.06 pval = 0.34842
y = 0.57 + −0.006 * x
Mt (EJ for BioeneryCrop)
0.55
0.50
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FiberCrop price vs production
r2 = 0.02 pval = 0.56909
y = −0.72 + 4.12889 * x
1975$ per kg (per GJ for BioeneryCrop)
2
1
0.50
0.55
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern FiberCrop price vs allocation
r2 = 0.63 pval = 8e−05
y = 4.31 + −0.60702 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FodderGrass production vs allocation
r2 = 0.72 pval = 1e−05
y = 0.33 + 1.016 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FodderGrass price vs production
r2 = 0.01 pval = 0.75717
y = 0.49 + −0.06028 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern FodderGrass price vs allocation
r2 = 0.24 pval = 0.04025
y = 1.16 + −0.44981 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FodderHerb production vs allocation
r2 = 1 pval = 0
y = 0 + 0.924 * x
Mt (EJ for BioeneryCrop)
0.011
0.009
0.007
0.005
0.003
0.002
0.004
0.006
0.008
0.010
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern FodderHerb price vs production
r2 = 0.67 pval = 3e−05
y = 0.12 + −7.69297 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.003
0.005
0.007
0.009
0.011
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern FodderHerb price vs allocation
r2 = 0.63 pval = 8e−05
y = 0.11 + −6.90448 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.002
0.004
0.006
0.008
0.010
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Fruits production vs allocation
r2 = 0.97 pval = 0
y = −32.87 + 2.177 * x
Mt (EJ for BioeneryCrop)
75
50
25
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Fruits price vs production
r2 = 0.96 pval = 0
y = 0.06 + 0.00527 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
20
40
60
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Fruits price vs allocation
r2 = 0.96 pval = 0
y = −0.12 + 0.01163 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Legumes production vs allocation
r2 = 0.34 pval = 0.01103
y = −9.06 + 0.371 * x
Mt (EJ for BioeneryCrop)
18
15
12
9
55
60
65
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Legumes price vs production
r2 = 0.93 pval = 0
y = −1.6 + 0.22203 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.0
9
12
15
18
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Legumes price vs allocation
r2 = 0.35 pval = 0.00988
y = −3.86 + 0.08662 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
55
60
65
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern MiscCrop production vs allocation
r2 = 0.45 pval = 0.00215
y = 0.79 + 0.066 * x
Mt (EJ for BioeneryCrop)
2.3
2.2
2.1
2.0
1.9
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern MiscCrop price vs production
r2 = 0.23 pval = 0.0437
y = 2.36 + −0.56034 * x
1975$ per kg (per GJ for BioeneryCrop)
1.4
1.3
1.2
1.1
1.0
0.9
1.9
2.0
2.1
2.2
2.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern MiscCrop price vs allocation
r2 = 0.91 pval = 0
y = 3.35 + −0.10887 * x
1975$ per kg (per GJ for BioeneryCrop)
1.4
1.3
1.2
1.1
1.0
0.9
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern NutsSeeds production vs allocation
r2 = 0.11 pval = 0.18098
y = −0.23 + 0.16 * x
Mt (EJ for BioeneryCrop)
6
5
4
3
26
28
30
32
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern NutsSeeds price vs production
r2 = 0.94 pval = 0
y = −9.04 + 3.22324 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0.0
3
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern NutsSeeds price vs allocation
r2 = 0.18 pval = 0.0749
y = −14.87 + 0.69381 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
2.5
5.0
7.5
26
28
30
32
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OilCrop production vs allocation
r2 = 0.51 pval = 0.00089
y = 5.38 + −0.046 * x
Mt (EJ for BioeneryCrop)
5.0
4.5
4.0
3.5
3.0
2.5
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OilCrop price vs production
r2 = 0.85 pval = 0
y = −2.88 + 1.11116 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
2.5
3.0
3.5
4.0
4.5
5.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern OilCrop price vs allocation
r2 = 0.57 pval = 0.00031
y = 3.37 + −0.05826 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.0
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OilPalm production vs allocation
r2 = 0.57 pval = 0.00031
y = 0.06 + 1.116 * x
Mt (EJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.075
0.100
0.125
0.150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OilPalm price vs production
r2 = 0.1 pval = 0.21148
y = 0.21 + −0.34744 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.10
0.15
0.20
0.25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern OilPalm price vs allocation
r2 = 0.72 pval = 1e−05
y = 0.31 + −1.4099 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.075
0.100
0.125
0.150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OtherGrain production vs allocation
r2 = 0.87 pval = 0
y = 49.01 + −0.133 * x
Mt (EJ for BioeneryCrop)
32.5
30.0
27.5
25.0
22.5
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern OtherGrain price vs production
r2 = 0.68 pval = 3e−05
y = −1.49 + 0.06578 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.0
22.5
25.0
27.5
30.0
32.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern OtherGrain price vs allocation
r2 = 0.68 pval = 3e−05
y = 1.83 + −0.00943 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.0
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Rice production vs allocation
r2 = 0.2 pval = 0.0599
y = 7.82 + −0.181 * x
Mt (EJ for BioeneryCrop)
7
6
5
8
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Rice price vs production
r2 = 0.1 pval = 0.19039
y = −0.13 + 0.06063 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Rice price vs allocation
r2 = 0.94 pval = 0
y = 0.93 + −0.073 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
8
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern RootTuber production vs allocation
r2 = 0.1 pval = 0.20293
y = −41.05 + 2.503 * x
Mt (EJ for BioeneryCrop)
50
40
30
32
33
34
35
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern RootTuber price vs production
r2 = 0.83 pval = 0
y = −0.12 + 0.00636 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern RootTuber price vs allocation
r2 = 0.22 pval = 0.05022
y = −0.71 + 0.02597 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
0.08
32
33
34
35
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Soybean production vs allocation
r2 = 0.89 pval = 0
y = 0.08 + 0.053 * x
Mt (EJ for BioeneryCrop)
0.14
0.12
0.10
0.25
0.50
0.75
1.00
1.25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Soybean price vs production
r2 = 0.73 pval = 1e−05
y = 1.56 + −10.39825 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
0.10
0.12
0.14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Soybean price vs allocation
r2 = 0.63 pval = 8e−05
y = 0.76 + −0.54805 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
0.25
0.50
0.75
1.00
1.25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern SugarCrop production vs allocation
r2 = 0.96 pval = 0
y = −48.48 + 17.707 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
30
4
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern SugarCrop price vs production
r2 = 0.89 pval = 0
y = −0.12 + 0.00441 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.00
30
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern SugarCrop price vs allocation
r2 = 0.86 pval = 0
y = −0.33 + 0.07818 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.00
4
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Vegetables production vs allocation
r2 = 0.91 pval = 0
y = −22.74 + 3.039 * x
Mt (EJ for BioeneryCrop)
60
40
20
16
20
24
28
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Vegetables price vs production
r2 = 0.97 pval = 0
y = 0.12 + 0.00419 * x
1975$ per kg (per GJ for BioeneryCrop)
0.35
0.30
0.25
0.20
10
20
30
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Vegetables price vs allocation
r2 = 0.93 pval = 0
y = 0.02 + 0.01305 * x
1975$ per kg (per GJ for BioeneryCrop)
0.35
0.30
0.25
0.20
16
20
24
28
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Wheat production vs allocation
r2 = 0.96 pval = 0
y = 1.83 + 0.192 * x
Mt (EJ for BioeneryCrop)
5
4
3
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Eastern Wheat price vs production
r2 = 0.89 pval = 0
y = 0.92 + −0.15808 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Eastern Wheat price vs allocation
r2 = 0.77 pval = 0
y = 0.61 + −0.02881 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = 0.03 + 0.012 * x
Mt (EJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern BioenergyCrop price vs production
r2 = 0.4 pval = 0.00467
y = 2.7 + 10.12569 * x
1975$ per kg (per GJ for BioeneryCrop)
10
5
0.00
0.25
0.50
0.75
1.00
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern BioenergyCrop price vs allocation
r2 = 0.24 pval = 0.0374
y = 4.4 + 0.09961 * x
1975$ per kg (per GJ for BioeneryCrop)
10
5
0
20
40
60
80
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Corn production vs allocation
r2 = 0.86 pval = 0
y = −0.55 + 2.294 * x
Mt (EJ for BioeneryCrop)
15.0
12.5
10.0
7.5
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Corn price vs production
r2 = 0.94 pval = 0
y = −0.12 + 0.02385 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
10.0
12.5
15.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Corn price vs allocation
r2 = 0.81 pval = 0
y = −0.13 + 0.05459 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FiberCrop production vs allocation
r2 = 0.73 pval = 1e−05
y = 1.1 + −2.313 * x
Mt (EJ for BioeneryCrop)
0.325
0.300
0.275
0.250
0.225
0.33
0.34
0.35
0.36
0.37
0.38
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FiberCrop price vs production
r2 = 0.81 pval = 0
y = −0.84 + 4.62385 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.24
0.26
0.28
0.30
0.32
0.34
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern FiberCrop price vs allocation
r2 = 0.62 pval = 1e−04
y = 4.36 + −10.95588 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.33
0.34
0.35
0.36
0.37
0.38
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FodderGrass production vs allocation
r2 = 0.99 pval = 0
y = −4.31 + 1.382 * x
Mt (EJ for BioeneryCrop)
17.5
15.0
12.5
10.0
7.5
10.0
12.5
15.0
17.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FodderGrass price vs production
r2 = 0.91 pval = 0
y = −0.07 + 0.01164 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
7.5
10.0
12.5
15.0
17.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern FodderGrass price vs allocation
r2 = 0.93 pval = 0
y = −0.13 + 0.01632 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
10.0
12.5
15.0
17.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FodderHerb production vs allocation
r2 = 0.98 pval = 0
y = −11.48 + 17.664 * x
Mt (EJ for BioeneryCrop)
80
70
60
50
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern FodderHerb price vs production
r2 = 0.87 pval = 0
y = −0.07 + 0.00234 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
50
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern FodderHerb price vs allocation
r2 = 0.8 pval = 0
y = −0.09 + 0.0399 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Fruits production vs allocation
r2 = 0.7 pval = 1e−05
y = −39.94 + 3.662 * x
Mt (EJ for BioeneryCrop)
40
30
18
20
22
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Fruits price vs production
r2 = 0.93 pval = 0
y = 0.13 + 0.00309 * x
1975$ per kg (per GJ for BioeneryCrop)
0.28
0.26
0.24
0.22
0.20
30
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Fruits price vs allocation
r2 = 0.46 pval = 0.00194
y = 0.04 + 0.00948 * x
1975$ per kg (per GJ for BioeneryCrop)
0.28
0.26
0.24
0.22
0.20
18
20
22
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Legumes production vs allocation
r2 = 0.64 pval = 7e−05
y = −1.49 + 0.425 * x
Mt (EJ for BioeneryCrop)
1.4
1.2
1.0
0.8
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Legumes price vs production
r2 = 0.95 pval = 0
y = −0.89 + 1.27459 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
0.8
1.0
1.2
1.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Legumes price vs allocation
r2 = 0.45 pval = 0.00231
y = −2.34 + 0.46874 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern MiscCrop production vs allocation
r2 = 0.93 pval = 0
y = 0.05 + 0.26 * x
Mt (EJ for BioeneryCrop)
0.250
0.225
0.200
0.175
0.150
0.4
0.5
0.6
0.7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern MiscCrop price vs production
r2 = 0.53 pval = 0.00064
y = 0.94 + −1.02427 * x
1975$ per kg (per GJ for BioeneryCrop)
0.80
0.75
0.70
0.65
0.150
0.175
0.200
0.225
0.250
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern MiscCrop price vs allocation
r2 = 0.76 pval = 0
y = 0.93 + −0.33176 * x
1975$ per kg (per GJ for BioeneryCrop)
0.80
0.75
0.70
0.65
0.4
0.5
0.6
0.7
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern NutsSeeds production vs allocation
r2 = 0.28 pval = 0.02453
y = 1.75 + −0.15 * x
Mt (EJ for BioeneryCrop)
1.0
0.9
0.8
0.7
0.6
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern NutsSeeds price vs production
r2 = 0.84 pval = 0
y = −11.41 + 18.40096 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
0.6
0.7
0.8
0.9
1.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern NutsSeeds price vs allocation
r2 = 0.62 pval = 1e−04
y = 30.84 + −4.5271 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern OilCrop production vs allocation
r2 = 0.07 pval = 0.28305
y = 5.21 + −0.019 * x
Mt (EJ for BioeneryCrop)
4.75
4.50
4.25
4.00
27.5
30.0
32.5
35.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern OilCrop price vs production
r2 = 0.23 pval = 0.04291
y = −1.41 + 0.42527 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
4.00
4.25
4.50
4.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern OilCrop price vs allocation
r2 = 0.93 pval = 0
y = 2.42 + −0.06121 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
27.5
30.0
32.5
35.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern OtherGrain production vs allocation
r2 = 0.09 pval = 0.23719
y = 0.75 + 0.175 * x
Mt (EJ for BioeneryCrop)
7.5
7.0
6.5
6.0
5.5
5.0
32
33
34
35
36
37
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern OtherGrain price vs production
r2 = 0.7 pval = 2e−05
y = −0.21 + 0.05187 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
5.0
5.5
6.0
6.5
7.0
7.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern OtherGrain price vs allocation
r2 = 0.07 pval = 0.29095
y = 0.49 + −0.00977 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
32
33
34
35
36
37
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Rice production vs allocation
r2 = 0.69 pval = 2e−05
y = 11.85 + −3.734 * x
Mt (EJ for BioeneryCrop)
7.2
6.8
6.4
6.0
5.6
1.3
1.4
1.5
1.6
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Rice price vs production
r2 = 0.67 pval = 3e−05
y = −0.44 + 0.09594 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
5.5
6.0
6.5
7.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Rice price vs allocation
r2 = 0.86 pval = 0
y = 0.88 + −0.48644 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
1.3
1.4
1.5
1.6
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern RootTuber production vs allocation
r2 = 0.47 pval = 0.00179
y = 24.04 + −2.882 * x
Mt (EJ for BioeneryCrop)
17
16
15
14
13
2.50
2.75
3.00
3.25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern RootTuber price vs production
r2 = 0.76 pval = 0
y = −0.04 + 0.00842 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.10
0.09
0.08
0.07
13
14
15
16
17
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern RootTuber price vs allocation
r2 = 0.88 pval = 0
y = 0.2 + −0.0384 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.10
0.09
0.08
2.50
2.75
3.00
3.25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Soybean production vs allocation
r2 = 0.95 pval = 0
y = 0.01 + 0.556 * x
Mt (EJ for BioeneryCrop)
0.040
0.035
0.030
0.025
0.02
0.03
0.04
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Soybean price vs production
r2 = 0.79 pval = 0
y = 1.02 + −22.20094 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
0.025
0.030
0.035
0.040
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Soybean price vs allocation
r2 = 0.89 pval = 0
y = 0.74 + −13.41549 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
0.02
0.03
0.04
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern SugarCrop production vs allocation
r2 = 0.9 pval = 0
y = −37.28 + 28.739 * x
Mt (EJ for BioeneryCrop)
80
60
40
2.5
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern SugarCrop price vs production
r2 = 0.89 pval = 0
y = 0 + 0.00051 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.03
0.02
30
40
50
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern SugarCrop price vs allocation
r2 = 0.66 pval = 4e−05
y = −0.02 + 0.01337 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.03
0.02
0.01
2.5
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Vegetables production vs allocation
r2 = 0.84 pval = 0
y = −49.13 + 8.36 * x
Mt (EJ for BioeneryCrop)
80
60
40
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Vegetables price vs production
r2 = 0.93 pval = 0
y = 0.06 + 0.00063 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.10
0.09
40
50
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Vegetables price vs allocation
r2 = 0.62 pval = 1e−04
y = 0.04 + 0.00475 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.10
0.09
0.08
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Wheat production vs allocation
r2 = 0.64 pval = 7e−05
y = 31.21 + −0.18 * x
Mt (EJ for BioeneryCrop)
24
23
22
21
20
19
45
50
55
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Northern Wheat price vs production
r2 = 0.52 pval = 0.00069
y = −0.64 + 0.03748 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
19
20
21
22
23
24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Northern Wheat price vs allocation
r2 = 0.95 pval = 0
y = 0.75 + −0.01143 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
45
50
55
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern BioenergyCrop production vs allocation
r2 = 0.96 pval = 0
y = 0.1 + 0.009 * x
Mt (EJ for BioeneryCrop)
1.0
0.5
0.0
0
50
100
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern BioenergyCrop price vs production
r2 = 0.06 pval = 0.30866
y = 11.86 + −3.09967 * x
1975$ per kg (per GJ for BioeneryCrop)
12
8
4
0.0
0.4
0.8
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern BioenergyCrop price vs allocation
r2 = 0.14 pval = 0.12427
y = 12.39 + −0.04146 * x
1975$ per kg (per GJ for BioeneryCrop)
12
8
4
0
50
100
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Corn production vs allocation
r2 = 0.69 pval = 2e−05
y = 36.96 + −0.15 * x
Mt (EJ for BioeneryCrop)
25.0
22.5
20.0
17.5
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Corn price vs production
r2 = 0.5 pval = 0.00109
y = −0.6 + 0.0344 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.1
0.2
0.3
17.5
20.0
22.5
25.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Corn price vs allocation
r2 = 0.76 pval = 0
y = 0.89 + −0.00763 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern FiberCrop production vs allocation
r2 = 0.92 pval = 0
y = 0.21 + 0.055 * x
Mt (EJ for BioeneryCrop)
0.7
0.6
0.5
0.4
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern FiberCrop price vs production
r2 = 0.73 pval = 1e−05
y = 2.77 + −3.9015 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
0.4
0.5
0.6
0.7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern FiberCrop price vs allocation
r2 = 0.62 pval = 1e−04
y = 1.93 + −0.2065 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Fruits production vs allocation
r2 = 0.96 pval = 0
y = −27.6 + 3.034 * x
Mt (EJ for BioeneryCrop)
60
50
40
30
20
15
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Fruits price vs production
r2 = 0.95 pval = 0
y = 0.04 + 0.00441 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
20
30
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Fruits price vs allocation
r2 = 0.95 pval = 0
y = −0.09 + 0.01366 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
15
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Legumes production vs allocation
r2 = 0.07 pval = 0.29653
y = 2.88 + 0.114 * x
Mt (EJ for BioeneryCrop)
11
9
7
5
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Legumes price vs production
r2 = 0.94 pval = 0
y = −1.32 + 0.35146 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
5
7
9
11
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Legumes price vs allocation
r2 = 0.09 pval = 0.22124
y = −0.61 + 0.04811 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern MiscCrop production vs allocation
r2 = 0.94 pval = 0
y = 0.14 + 0.086 * x
Mt (EJ for BioeneryCrop)
0.8
0.6
0.4
2
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern MiscCrop price vs production
r2 = 0.98 pval = 0
y = 1.62 + −0.80113 * x
1975$ per kg (per GJ for BioeneryCrop)
1.4
1.3
1.2
1.1
1.0
0.4
0.6
0.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern MiscCrop price vs allocation
r2 = 0.97 pval = 0
y = 1.51 + −0.07004 * x
1975$ per kg (per GJ for BioeneryCrop)
1.4
1.3
1.2
1.1
1.0
0.9
2
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern NutsSeeds production vs allocation
r2 = 0.04 pval = 0.40543
y = 5.85 + −0.067 * x
Mt (EJ for BioeneryCrop)
5
4
3
25.0
27.5
30.0
32.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern NutsSeeds price vs production
r2 = 0.93 pval = 0
y = −4.24 + 1.52289 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern NutsSeeds price vs allocation
r2 = 0.01 pval = 0.66062
y = 3.47 + −0.05647 * x
1975$ per kg (per GJ for BioeneryCrop)
3
2
1
25.0
27.5
30.0
32.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OilCrop production vs allocation
r2 = 0 pval = 0.90989
y = 2.77 + 0.001 * x
Mt (EJ for BioeneryCrop)
3.3
3.1
2.9
2.7
2.5
15
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OilCrop price vs production
r2 = 0.03 pval = 0.51494
y = −0.17 + 0.27782 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
2.5
2.7
2.9
3.1
3.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern OilCrop price vs allocation
r2 = 0.73 pval = 1e−05
y = 1.53 + −0.04882 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.00
15
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OilPalm production vs allocation
r2 = 0.81 pval = 0
y = 0.05 + 1.529 * x
Mt (EJ for BioeneryCrop)
0.8
0.7
0.6
0.5
0.4
0.25
0.30
0.35
0.40
0.45
0.50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OilPalm price vs production
r2 = 0.14 pval = 0.12983
y = 0.12 + −0.08966 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.4
0.5
0.6
0.7
0.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern OilPalm price vs allocation
r2 = 0.54 pval = 0.00055
y = 0.17 + −0.30102 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
0.25
0.30
0.35
0.40
0.45
0.50
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OtherGrain production vs allocation
r2 = 0.18 pval = 0.08207
y = 2.54 + −0.015 * x
Mt (EJ for BioeneryCrop)
2.4
2.2
2.0
1.8
17.5
20.0
22.5
25.0
27.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern OtherGrain price vs production
r2 = 0.01 pval = 0.71982
y = 0.07 + 0.13405 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
1.8
2.0
2.2
2.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern OtherGrain price vs allocation
r2 = 0.79 pval = 0
y = 1.25 + −0.04595 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.0
17.5
20.0
22.5
25.0
27.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Rice production vs allocation
r2 = 0.78 pval = 0
y = 1.11 + 0.131 * x
Mt (EJ for BioeneryCrop)
3.0
2.5
2.0
1.5
6
9
12
15
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Rice price vs production
r2 = 0.93 pval = 0
y = 1.11 + −0.34838 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Rice price vs allocation
r2 = 0.89 pval = 0
y = 0.76 + −0.05022 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
6
9
12
15
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern RootTuber production vs allocation
r2 = 0.46 pval = 0.00211
y = 232.04 + −3.666 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
44
46
48
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern RootTuber price vs production
r2 = 0.71 pval = 1e−05
y = −0.22 + 0.00605 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.1
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern RootTuber price vs allocation
r2 = 0.41 pval = 0.00422
y = 1.3 + −0.0249 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
44
46
48
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Soybean production vs allocation
r2 = 0.97 pval = 0
y = 0.07 + 0.138 * x
Mt (EJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
1
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Soybean price vs production
r2 = 0.78 pval = 0
y = 1.27 + −2.30175 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.3
0.6
0.9
0.2
0.3
0.4
0.5
0.6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Soybean price vs allocation
r2 = 0.71 pval = 1e−05
y = 1.1 + −0.30687 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.4
0.8
1
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern SugarCrop production vs allocation
r2 = 0.04 pval = 0.42667
y = 35.43 + −2.001 * x
Mt (EJ for BioeneryCrop)
38
34
30
26
1.75
2.00
2.25
2.50
2.75
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern SugarCrop price vs production
r2 = 0.35 pval = 0.00928
y = −0.16 + 0.00808 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.08
0.04
26
30
34
38
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern SugarCrop price vs allocation
r2 = 0.49 pval = 0.00127
y = 0.29 + −0.09499 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.08
0.04
1.75
2.00
2.25
2.50
2.75
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Vegetables production vs allocation
r2 = 0.99 pval = 0
y = −7.18 + 1.633 * x
Mt (EJ for BioeneryCrop)
25
20
15
10
9
12
15
18
21
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Vegetables price vs production
r2 = 0.94 pval = 0
y = −0.01 + 0.01788 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
10
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Vegetables price vs allocation
r2 = 0.96 pval = 0
y = −0.14 + 0.02951 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
9
12
15
18
21
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Wheat production vs allocation
r2 = 0.97 pval = 0
y = 0.04 + 0.254 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.5
1.0
1.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Southern Wheat price vs production
r2 = 0.86 pval = 0
y = 0.38 + −0.736 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.1
0.2
0.3
0.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Southern Wheat price vs allocation
r2 = 0.77 pval = 0
y = 0.34 + −0.17969 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.5
1.0
1.5
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western BioenergyCrop production vs allocation
r2 = 0.94 pval = 0
y = 0.73 + 0.012 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
2
4
6
8
0
200
400
600
year
2100
2080
2060
2040
2020

Africa_Western BioenergyCrop price vs production
r2 = 0 pval = 0.9404
y = 8.48 + −0.03539 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
2
4
6
8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western BioenergyCrop price vs allocation
r2 = 0.05 pval = 0.38821
y = 9.87 + −0.00519 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
200
400
600
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Corn production vs allocation
r2 = 0.44 pval = 0.00288
y = 45.06 + −0.128 * x
Mt (EJ for BioeneryCrop)
36
33
30
27
90
100
110
120
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Corn price vs production
r2 = 0.5 pval = 0.00109
y = −1.27 + 0.04814 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
27
30
33
36
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Corn price vs allocation
r2 = 0.72 pval = 1e−05
y = 1.4 + −0.01123 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
90
100
110
120
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western FiberCrop production vs allocation
r2 = 0.9 pval = 0
y = 1.46 + 0.087 * x
Mt (EJ for BioeneryCrop)
3.5
3.0
2.5
10
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western FiberCrop price vs production
r2 = 0.63 pval = 9e−05
y = 2.72 + −0.72491 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
2.5
3.0
3.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western FiberCrop price vs allocation
r2 = 0.62 pval = 0.00011
y = 1.7 + −0.06562 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
10
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Fruits production vs allocation
r2 = 0.99 pval = 0
y = −37.12 + 1.574 * x
Mt (EJ for BioeneryCrop)
200
150
100
50
75
100
125
150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Fruits price vs production
r2 = 0.96 pval = 0
y = 0.03 + 0.0019 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
50
100
150
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Fruits price vs allocation
r2 = 0.98 pval = 0
y = −0.04 + 0.00304 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
75
100
125
150
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Legumes production vs allocation
r2 = 0.83 pval = 0
y = −19.42 + 0.28 * x
Mt (EJ for BioeneryCrop)
30
20
10
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Legumes price vs production
r2 = 0.96 pval = 0
y = −0.76 + 0.08838 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.5
1.0
1.5
2.0
10
15
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Legumes price vs allocation
r2 = 0.82 pval = 0
y = −2.54 + 0.02524 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western MiscCrop production vs allocation
r2 = 0.1 pval = 0.19899
y = 4.87 + 0.01 * x
Mt (EJ for BioeneryCrop)
6.0
5.6
5.2
70
80
90
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western MiscCrop price vs production
r2 = 0.11 pval = 0.17335
y = 1.22 + −0.09913 * x
0.8
0.7
0.6
1975$ per kg (per GJ for BioeneryCrop)
5.2
5.6
6.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western MiscCrop price vs allocation
r2 = 0.96 pval = 0
y = 1.33 + −0.00889 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.7
0.6
0.5
70
80
90
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western NutsSeeds production vs allocation
r2 = 0.44 pval = 0.00275
y = −7.39 + 0.261 * x
Mt (EJ for BioeneryCrop)
25
20
15
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western NutsSeeds price vs production
r2 = 0.96 pval = 0
y = −6.17 + 0.55458 * x
1975$ per kg (per GJ for BioeneryCrop)
Mt (EJ for BioeneryCrop)
0
2
4
6
8
15
20
25
year
2100
2080
2060
2040
2020

Africa_Western NutsSeeds price vs allocation
r2 = 0.42 pval = 0.00338
y = −10.31 + 0.14536 * x
1975$ per kg (per GJ for BioeneryCrop)
0
2
4
6
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western OilCrop production vs allocation
r2 = 0.02 pval = 0.57647
y = 5.27 + −0.018 * x
Mt (EJ for BioeneryCrop)
6
5
4
20
25
30
35
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western OilCrop price vs production
r2 = 0.4 pval = 0.00483
y = −1.51 + 0.4988 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western OilCrop price vs allocation
r2 = 0.52 pval = 0.00069
y = 2.73 + −0.07316 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.2
0.8
0.4
20
25
30
35
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western OilPalm production vs allocation
r2 = 0.61 pval = 0.00013
y = −77.02 + 2.087 * x
Mt (EJ for BioeneryCrop)
thousand km^2
70
60
50
40
30
20
50
55
60
65
70
year
2100
2080
2060
2040
2020

Africa_Western OilPalm price vs production
r2 = 0.57 pval = 3e−04
y = −0.01 + 0.00172 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
20
30
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western OilPalm price vs allocation
r2 = 0.05 pval = 0.35675
y = −0.01 + 0.00141 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
50
55
60
65
70
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western OtherGrain production vs allocation
r2 = 0.64 pval = 7e−05
y = 65.14 + −0.128 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
200
225
250
275
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western OtherGrain price vs production
r2 = 0.84 pval = 0
y = −1.45 + 0.05173 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western OtherGrain price vs allocation
r2 = 0.43 pval = 0.003
y = 1.76 + −0.00593 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
200
225
250
275
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Rice production vs allocation
r2 = 0.8 pval = 0
y = 9.32 + 0.193 * x
Mt (EJ for BioeneryCrop)
21
18
15
30
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Rice price vs production
r2 = 0.92 pval = 0
y = 1.29 + −0.05341 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
15
18
21
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Rice price vs allocation
r2 = 0.86 pval = 0
y = 0.82 + −0.01116 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
30
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western RootTuber production vs allocation
r2 = 0.03 pval = 0.46605
y = 115.18 + 1.56 * x
Mt (EJ for BioeneryCrop)
400
300
150
160
170
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western RootTuber price vs production
r2 = 0.83 pval = 0
y = −0.19 + 0.00102 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
300
400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western RootTuber price vs allocation
r2 = 0.03 pval = 0.50209
y = −0.07 + 0.00162 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
150
160
170
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Soybean production vs allocation
r2 = 0.96 pval = 0
y = 0.25 + 0.11 * x
Mt (EJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.4
2
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Soybean price vs production
r2 = 0.8 pval = 0
y = 0.99 + −0.83131 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
0.4
0.6
0.8
1.0
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Soybean price vs allocation
r2 = 0.72 pval = 1e−05
y = 0.77 + −0.08866 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
2
4
6
8
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western SugarCrop production vs allocation
r2 = 0 pval = 0.89585
y = 18.93 + 0.487 * x
Mt (EJ for BioeneryCrop)
25
20
15
2.6
2.8
3.0
3.2
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western SugarCrop price vs production
r2 = 0.58 pval = 0.00023
y = −0.09 + 0.00794 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.06
0.03
0.00
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western SugarCrop price vs allocation
r2 = 0.19 pval = 0.07335
y = 0.25 + −0.06582 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.06
0.03
2.6
2.8
3.0
3.2
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Vegetables production vs allocation
r2 = 0.98 pval = 0
y = −42.55 + 1.956 * x
Mt (EJ for BioeneryCrop)
thousand km^2
125
100
75
50
25
40
50
60
70
80
90
year
2100
2080
2060
2040
2020

Africa_Western Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.04 + 0.00335 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
25
50
75
100
125
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Vegetables price vs allocation
r2 = 0.96 pval = 0
y = −0.11 + 0.00667 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
40
50
60
70
80
90
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Wheat production vs allocation
r2 = 0.95 pval = 0
y = 0.02 + 0.16 * x
Mt (EJ for BioeneryCrop)
0.15
0.10
0.05
0.25
0.50
0.75
thousand km^2
year
2100
2080
2060
2040
2020

Africa_Western Wheat price vs production
r2 = 0.86 pval = 0
y = 0.24 + −1.28043 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.05
0.10
0.15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Africa_Western Wheat price vs allocation
r2 = 0.74 pval = 0
y = 0.21 + −0.19616 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.25
0.50
0.75
thousand km^2
year
2100
2080
2060
2040
2020

Argentina BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.06 + 0.03 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
1
2
3
4
0
50
100
150
year
2100
2080
2060
2040
2020

Argentina BioenergyCrop price vs production
r2 = 0.7 pval = 1e−05
y = 1.29 + 1.98459 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
1
2
3
4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina BioenergyCrop price vs allocation
r2 = 0.62 pval = 0.00012
y = 1.5 + 0.05619 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Corn production vs allocation
r2 = 0.64 pval = 8e−05
y = −98.29 + 2.85 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
48
52
56
60
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Corn price vs production
r2 = 0.81 pval = 0
y = −0.08 + 0.00313 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Corn price vs allocation
r2 = 0.21 pval = 0.0537
y = −0.21 + 0.00574 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
0.10
0.08
0.06
48
52
56
60
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FiberCrop production vs allocation
r2 = 0.09 pval = 0.22531
y = 6.38 + −1.608 * x
Mt (EJ for BioeneryCrop)
1.2
1.1
1.0
0.9
0.8
3.250
3.275
3.300
3.325
3.350
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FiberCrop price vs production
r2 = 0.72 pval = 1e−05
y = −0.43 + 0.7576 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.8
0.9
1.0
1.1
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina FiberCrop price vs allocation
r2 = 0.23 pval = 0.04667
y = 7.87 + −2.26713 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
3.250
3.275
3.300
3.325
3.350
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FodderGrass production vs allocation
r2 = 0.76 pval = 0
y = −77.26 + 3.864 * x
Mt (EJ for BioeneryCrop)
80
70
60
35
37
39
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FodderGrass price vs production
r2 = 0.7 pval = 2e−05
y = −0.12 + 0.00244 * x
0.100
0.075
0.050
0.025
1975$ per kg (per GJ for BioeneryCrop)
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina FodderGrass price vs allocation
r2 = 0.28 pval = 0.02452
y = −0.2 + 0.00682 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
35
37
39
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FodderHerb production vs allocation
r2 = 0.99 pval = 0
y = −61.24 + 4.485 * x
Mt (EJ for BioeneryCrop)
200
150
100
30
40
50
60
thousand km^2
year
2100
2080
2060
2040
2020

Argentina FodderHerb price vs production
r2 = 0.8 pval = 0
y = 0 + 0.00044 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
100
150
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina FodderHerb price vs allocation
r2 = 0.78 pval = 0
y = −0.02 + 0.00196 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
30
40
50
60
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Fruits production vs allocation
r2 = 0.6 pval = 0.00015
y = −40.62 + 11.25 * x
Mt (EJ for BioeneryCrop)
12
11
10
9
8
7
4.3
4.4
4.5
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Fruits price vs production
r2 = 0.96 pval = 0
y = 0.11 + 0.00534 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
0.15
7
8
9
10
11
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Fruits price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.13 + 0.06643 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
4.3
4.4
4.5
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Legumes production vs allocation
r2 = 0.98 pval = 0
y = −1.27 + 0.433 * x
Mt (EJ for BioeneryCrop)
1.50
1.25
1.00
0.75
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Legumes price vs production
r2 = 0.92 pval = 0
y = −0.35 + 0.67445 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.9
1.2
1.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Legumes price vs allocation
r2 = 0.84 pval = 0
y = −1.15 + 0.2821 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina MiscCrop production vs allocation
r2 = 0.17 pval = 0.09206
y = 1.49 + −0.211 * x
Mt (EJ for BioeneryCrop)
1.00
0.95
0.90
0.85
0.80
2.2
2.3
2.4
2.5
2.6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina MiscCrop price vs production
r2 = 0.82 pval = 0
y = 0.18 + 0.04458 * x
1975$ per kg (per GJ for BioeneryCrop)
0.220
0.215
0.80
0.85
0.90
0.95
1.00
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina MiscCrop price vs allocation
r2 = 0.3 pval = 0.01823
y = 0.25 + −0.01394 * x
1975$ per kg (per GJ for BioeneryCrop)
0.222
0.219
0.216
0.213
2.2
2.3
2.4
2.5
2.6
thousand km^2
year
2100
2080
2060
2040
2020

Argentina NutsSeeds production vs allocation
r2 = 0.12 pval = 0.15517
y = 0.26 + 0.358 * x
Mt (EJ for BioeneryCrop)
2.00
1.75
1.50
1.25
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Argentina NutsSeeds price vs production
r2 = 0.64 pval = 7e−05
y = −1.88 + 1.64088 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
1.25
1.50
1.75
2.00
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina NutsSeeds price vs allocation
r2 = 0.07 pval = 0.30683
y = 3.22 + −0.53844 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.2
0.8
0.4
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Argentina OilCrop production vs allocation
r2 = 0.19 pval = 0.07212
y = 8.68 + −0.189 * x
Mt (EJ for BioeneryCrop)
6
5
4
14
16
18
20
thousand km^2
year
2100
2080
2060
2040
2020

Argentina OilCrop price vs production
r2 = 0.6 pval = 0.00017
y = −0.22 + 0.08561 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina OilCrop price vs allocation
r2 = 0.8 pval = 0
y = 0.97 + −0.04312 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
14
16
18
20
thousand km^2
year
2100
2080
2060
2040
2020

Argentina OtherGrain production vs allocation
r2 = 0.49 pval = 0.00126
y = 19.12 + −0.502 * x
Mt (EJ for BioeneryCrop)
11
10
9
8
17
18
19
20
thousand km^2
year
2100
2080
2060
2040
2020

Argentina OtherGrain price vs production
r2 = 0.55 pval = 0.00043
y = −0.17 + 0.02677 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.09
0.06
0.03
8
9
10
11
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina OtherGrain price vs allocation
r2 = 0.97 pval = 0
y = 0.56 + −0.02552 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
17
18
19
20
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Rice production vs allocation
r2 = 0.22 pval = 0.0519
y = −0.18 + 1.117 * x
Mt (EJ for BioeneryCrop)
2.25
2.00
1.75
1.50
1.9
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Rice price vs production
r2 = 0.54 pval = 0.00048
y = −0.24 + 0.21975 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.50
1.75
2.00
2.25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Rice price vs allocation
r2 = 0.05 pval = 0.36002
y = 0.56 + −0.16427 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
1.9
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Argentina RootTuber production vs allocation
r2 = 0.52 pval = 0.00075
y = 10.6 + −7.062 * x
Mt (EJ for BioeneryCrop)
5.0
4.5
4.0
3.5
3.0
0.8
0.9
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Argentina RootTuber price vs production
r2 = 0.92 pval = 0
y = 0.07 + 0.0092 * x
1975$ per kg (per GJ for BioeneryCrop)
0.115
0.110
0.105
0.100
3.0
3.5
4.0
4.5
5.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina RootTuber price vs allocation
r2 = 0.28 pval = 0.02375
y = 0.15 + −0.04985 * x
1975$ per kg (per GJ for BioeneryCrop)
0.115
0.110
0.105
0.100
0.8
0.9
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Soybean production vs allocation
r2 = 0.74 pval = 0
y = 34.34 + 0.18 * x
Mt (EJ for BioeneryCrop)
70
65
60
55
50
100
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Soybean price vs production
r2 = 0.72 pval = 1e−05
y = 0.75 + −0.00939 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
50
55
60
65
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Soybean price vs allocation
r2 = 0.97 pval = 0
y = 0.51 + −0.00228 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
100
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Argentina SugarCrop production vs allocation
r2 = 0.93 pval = 0
y = −39.91 + 17.297 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Argentina SugarCrop price vs production
r2 = 0.87 pval = 0
y = 0 + 0.00064 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.015
0.010
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina SugarCrop price vs allocation
r2 = 0.66 pval = 4e−05
y = −0.02 + 0.00997 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.015
0.010
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Vegetables production vs allocation
r2 = 0.01 pval = 0.73272
y = 2.18 + 1.56 * x
Mt (EJ for BioeneryCrop)
5.5
5.0
4.5
4.0
3.5
1.65
1.70
1.75
1.80
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Vegetables price vs production
r2 = 0.94 pval = 0
y = 0.14 + 0.01213 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.19
0.18
3.5
4.0
4.5
5.0
5.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Vegetables price vs allocation
r2 = 0.08 pval = 0.24885
y = 0.08 + 0.06459 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.19
0.18
1.65
1.70
1.75
1.80
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Wheat production vs allocation
r2 = 0.03 pval = 0.46275
y = 21.98 + −0.102 * x
Mt (EJ for BioeneryCrop)
20
18
16
14
12
35.0
37.5
40.0
42.5
thousand km^2
year
2100
2080
2060
2040
2020

Argentina Wheat price vs production
r2 = 0.29 pval = 0.02198
y = −0.08 + 0.01203 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
12
14
16
18
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Argentina Wheat price vs allocation
r2 = 0.84 pval = 0
y = 0.57 + −0.01137 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
35.0
37.5
40.0
42.5
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.03 + 0.012 * x
Mt (EJ for BioeneryCrop)
0
1
2
0
50
100
150
200
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ BioenergyCrop price vs production
r2 = 0.67 pval = 3e−05
y = 1.61 + 3.44149 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0
1
2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ BioenergyCrop price vs allocation
r2 = 0.57 pval = 0.00029
y = 1.91 + 0.03902 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0
50
100
150
200
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Corn production vs allocation
r2 = 0.9 pval = 0
y = 0.09 + 0.997 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
1.0
0.75
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Corn price vs production
r2 = 0.01 pval = 0.68584
y = 0.13 + 0.01434 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
1.0
1.5
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Corn price vs allocation
r2 = 0.04 pval = 0.39841
y = 0.19 + −0.03115 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.75
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FiberCrop production vs allocation
r2 = 0.38 pval = 0.00639
y = −2.42 + 1.234 * x
Mt (EJ for BioeneryCrop)
2.7
2.4
2.1
3.7
3.8
3.9
4.0
4.1
4.2
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FiberCrop price vs production
r2 = 0.65 pval = 5e−05
y = −1.87 + 1.08879 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
2.1
2.4
2.7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ FiberCrop price vs allocation
r2 = 0.02 pval = 0.60131
y = −0.45 + 0.35576 * x
1975$ per kg (per GJ for BioeneryCrop)
1.50
1.25
1.00
0.75
0.50
3.7
3.8
3.9
4.0
4.1
4.2
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FodderGrass production vs allocation
r2 = 1 pval = 0
y = −1.53 + 0.719 * x
Mt (EJ for BioeneryCrop)
15
20
25
20
25
30
35
40
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FodderGrass price vs production
r2 = 0.84 pval = 0
y = −0.04 + 0.00455 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ FodderGrass price vs allocation
r2 = 0.84 pval = 0
y = −0.04 + 0.00327 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
20
25
30
35
40
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FodderHerb production vs allocation
r2 = 0.99 pval = 0
y = −1.11 + 3.248 * x
Mt (EJ for BioeneryCrop)
21
18
15
12
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ FodderHerb price vs production
r2 = 0.66 pval = 4e−05
y = −0.04 + 0.0063 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
12.5
15.0
17.5
20.0
22.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ FodderHerb price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.05 + 0.02119 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Fruits production vs allocation
r2 = 0.94 pval = 0
y = −21.54 + 7.881 * x
Mt (EJ for BioeneryCrop)
8
7
6
5
3.4
3.6
3.8
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Fruits price vs production
r2 = 0.93 pval = 0
y = 0.15 + 0.01852 * x
1975$ per kg (per GJ for BioeneryCrop)
0.31
0.29
0.27
0.25
5
6
7
8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Fruits price vs allocation
r2 = 0.8 pval = 0
y = −0.23 + 0.13936 * x
1975$ per kg (per GJ for BioeneryCrop)
0.31
0.29
0.27
0.25
0.23
3.4
3.6
3.8
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Legumes production vs allocation
r2 = 0.99 pval = 0
y = −8.99 + 0.54 * x
Mt (EJ for BioeneryCrop)
16
12
8
4
20
25
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Legumes price vs production
r2 = 0.9 pval = 0
y = 0.01 + 0.02484 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
4
8
12
16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Legumes price vs allocation
r2 = 0.87 pval = 0
y = −0.2 + 0.01319 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
20
25
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ MiscCrop production vs allocation
r2 = 0.79 pval = 0
y = 0 + 0.121 * x
Mt (EJ for BioeneryCrop)
0.0065
0.0060
0.0055
0.0050
0.021
0.024
0.027
0.030
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ MiscCrop price vs production
r2 = 0.35 pval = 0.00943
y = 1.45 + −63.73579 * x
1975$ per kg (per GJ for BioeneryCrop)
1.15
1.10
1.05
1.00
0.0050
0.0055
0.0060
0.0065
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ MiscCrop price vs allocation
r2 = 0.79 pval = 0
y = 1.39 + −13.0374 * x
1975$ per kg (per GJ for BioeneryCrop)
1.15
1.10
1.05
1.00
0.021
0.024
0.027
0.030
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ NutsSeeds production vs allocation
r2 = 0.69 pval = 2e−05
y = −0.4 + 0.943 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.65
0.70
0.75
0.80
0.85
0.90
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ NutsSeeds price vs production
r2 = 0.83 pval = 0
y = −6.5 + 28.14605 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
0.3
0.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ NutsSeeds price vs allocation
r2 = 0.3 pval = 0.01981
y = −11.5 + 19.12776 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0.65
0.70
0.75
0.80
0.85
0.90
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ OilCrop production vs allocation
r2 = 0.38 pval = 0.0069
y = −1.46 + 0.271 * x
Mt (EJ for BioeneryCrop)
10
8
6
4
28
32
36
40
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ OilCrop price vs production
r2 = 0.6 pval = 0.00015
y = −0.05 + 0.0296 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
4
6
8
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ OilCrop price vs allocation
r2 = 0 pval = 0.96884
y = 0.21 + −0.00017 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
28
32
36
40
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ OtherGrain production vs allocation
r2 = 0.95 pval = 0
y = −111.01 + 2.166 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
15
57.5
60.0
62.5
65.0
67.5
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ OtherGrain price vs production
r2 = 0.82 pval = 0
y = 0 + 0.00315 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
15
20
25
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ OtherGrain price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.33 + 0.00652 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
57.5
60.0
62.5
65.0
67.5
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Rice production vs allocation
r2 = 0.89 pval = 0
y = −1.05 + 2.439 * x
Mt (EJ for BioeneryCrop)
1.3
1.2
1.1
1.0
0.9
0.8
0.8
0.9
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Rice price vs production
r2 = 0.82 pval = 0
y = −0.13 + 0.25347 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.8
0.9
1.0
1.1
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Rice price vs allocation
r2 = 0.52 pval = 0.00075
y = −0.32 + 0.52257 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.8
0.9
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ RootTuber production vs allocation
r2 = 0.93 pval = 0
y = −6.59 + 20.317 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
0.40
0.42
0.44
0.46
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ RootTuber price vs production
r2 = 0.91 pval = 0
y = −0.01 + 0.05615 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.12
0.10
1.75
2.00
2.25
2.50
2.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ RootTuber price vs allocation
r2 = 0.81 pval = 0
y = −0.37 + 1.11674 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.12
0.10
0.08
0.40
0.42
0.44
0.46
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Soybean production vs allocation
r2 = 0.25 pval = 0.03478
y = 0 + 0.344 * x
Mt (EJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.27
0.30
0.33
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Soybean price vs production
r2 = 0.29 pval = 0.01986
y = 0.02 + 1.45812 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.08
0.06
0.08
0.10
0.12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Soybean price vs allocation
r2 = 0.19 pval = 0.07241
y = 0.41 + −0.80232 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.27
0.30
0.33
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ SugarCrop production vs allocation
r2 = 0.98 pval = 0
y = −49.56 + 19.793 * x
Mt (EJ for BioeneryCrop)
100
80
60
40
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ SugarCrop price vs production
r2 = 0.81 pval = 0
y = 0 + 0.00012 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0150
0.0125
0.0100
0.0075
30
50
70
90
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ SugarCrop price vs allocation
r2 = 0.7 pval = 1e−05
y = 0 + 0.00217 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0150
0.0125
0.0100
0.0075
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Vegetables production vs allocation
r2 = 0.95 pval = 0
y = −7.08 + 8.983 * x
Mt (EJ for BioeneryCrop)
6
5
4
3
1.2
1.3
1.4
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Vegetables price vs production
r2 = 0.94 pval = 0
y = 0.1 + 0.02314 * x
0.24
0.22
0.20
0.18
1975$ per kg (per GJ for BioeneryCrop)
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Vegetables price vs allocation
r2 = 0.86 pval = 0
y = −0.06 + 0.20392 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.22
0.20
0.18
1.2
1.3
1.4
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Wheat production vs allocation
r2 = 0.16 pval = 0.10389
y = 6.08 + 0.303 * x
Mt (EJ for BioeneryCrop)
50
40
30
130
140
150
160
thousand km^2
year
2100
2080
2060
2040
2020

Australia_NZ Wheat price vs production
r2 = 0.45 pval = 0.00224
y = −0.04 + 0.003 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Australia_NZ Wheat price vs allocation
r2 = 0.16 pval = 0.10405
y = 0.31 + −0.00135 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
130
140
150
160
thousand km^2
year
2100
2080
2060
2040
2020

Brazil BioenergyCrop production vs allocation
r2 = 0.93 pval = 0
y = 0.06 + 0.017 * x
Mt (EJ for BioeneryCrop)
1.5
1.0
0.5
0.0
0
25
50
75
thousand km^2
year
2100
2080
2060
2040
2020

Brazil BioenergyCrop price vs production
r2 = 0.28 pval = 0.0234
y = 2.92 + 3.62906 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0.0
0.5
1.0
1.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil BioenergyCrop price vs allocation
r2 = 0.1 pval = 0.20025
y = 4.51 + 0.03775 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
25
50
75
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Corn production vs allocation
r2 = 0.03 pval = 0.52275
y = 99.1 + −0.045 * x
Mt (EJ for BioeneryCrop)
100
95
90
85
80
90
100
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Corn price vs production
r2 = 0 pval = 0.97077
y = 0.08 + 6e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
85
90
95
100
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Corn price vs allocation
r2 = 0.92 pval = 0
y = 0.26 + −0.0017 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
80
90
100
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

Brazil FiberCrop production vs allocation
r2 = 0.77 pval = 0
y = 2.24 + 0.218 * x
Mt (EJ for BioeneryCrop)
4.5
4.0
3.5
6
7
8
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

Brazil FiberCrop price vs production
r2 = 0.91 pval = 0
y = 2.31 + −0.45241 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil FiberCrop price vs allocation
r2 = 0.87 pval = 0
y = 1.38 + −0.10956 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
6
7
8
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Fruits production vs allocation
r2 = 0.39 pval = 0.00592
y = 55.09 + −0.612 * x
Mt (EJ for BioeneryCrop)
43
41
39
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Fruits price vs production
r2 = 0.4 pval = 0.00487
y = −0.02 + 0.00207 * x
1975$ per kg (per GJ for BioeneryCrop)
0.070
0.065
0.060
0.055
39
41
43
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Fruits price vs allocation
r2 = 0.97 pval = 0
y = 0.13 + −0.00318 * x
1975$ per kg (per GJ for BioeneryCrop)
0.070
0.065
0.060
0.055
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Legumes production vs allocation
r2 = 0.3 pval = 0.01762
y = 4.06 + −0.028 * x
Mt (EJ for BioeneryCrop)
3.6
3.4
3.2
3.0
18
20
22
24
26
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Legumes price vs production
r2 = 0.18 pval = 0.07957
y = −2.35 + 0.88051 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
3.0
3.2
3.4
3.6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Legumes price vs allocation
r2 = 0.92 pval = 0
y = 2.77 + −0.09985 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
0.9
0.6
0.3
18
20
22
24
26
thousand km^2
year
2100
2080
2060
2040
2020

Brazil MiscCrop production vs allocation
r2 = 0.51 pval = 0.00081
y = 3.61 + 0.054 * x
Mt (EJ for BioeneryCrop)
5.50
5.25
5.00
4.75
4.50
4.25
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Brazil MiscCrop price vs production
r2 = 0.43 pval = 0.00307
y = 0.81 + −0.05289 * x
1975$ per kg (per GJ for BioeneryCrop)
0.57
0.54
0.51
4.25
4.50
4.75
5.00
5.25
5.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil MiscCrop price vs allocation
r2 = 0.97 pval = 0
y = 0.69 + −0.00603 * x
1975$ per kg (per GJ for BioeneryCrop)
0.57
0.54
0.51
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Brazil NutsSeeds production vs allocation
r2 = 0.91 pval = 0
y = 0.37 + 0.062 * x
Mt (EJ for BioeneryCrop)
1.4
1.2
1.0
0.8
0.6
6
8
10
12
14
16
thousand km^2
year
2100
2080
2060
2040
2020

Brazil NutsSeeds price vs production
r2 = 0.75 pval = 0
y = −0.33 + 0.50243 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.1
0.2
0.3
0.4
0.6
0.8
1.0
1.2
1.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil NutsSeeds price vs allocation
r2 = 0.92 pval = 0
y = −0.21 + 0.03605 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
6
8
10
12
14
16
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OilCrop production vs allocation
r2 = 0.12 pval = 0.16369
y = 0.51 + 0.739 * x
Mt (EJ for BioeneryCrop)
3.9
3.6
3.3
3.0
4.1
4.2
4.3
4.4
4.5
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OilCrop price vs production
r2 = 0.45 pval = 0.00241
y = −0.06 + 0.02565 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
3.0
3.3
3.6
3.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil OilCrop price vs allocation
r2 = 0.46 pval = 0.00207
y = −0.21 + 0.05586 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
4.1
4.2
4.3
4.4
4.5
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OilPalm production vs allocation
r2 = 1 pval = 0
y = 0.04 + 1.269 * x
Mt (EJ for BioeneryCrop)
5
4
3
2
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OilPalm price vs production
r2 = 0.72 pval = 1e−05
y = 0 + 0.00299 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0200
0.0175
0.0150
0.0125
0.0100
0.0075
2
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil OilPalm price vs allocation
r2 = 0.77 pval = 0
y = 0 + 0.00394 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0200
0.0175
0.0150
0.0125
0.0100
0.0075
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OtherGrain production vs allocation
r2 = 0.01 pval = 0.75895
y = 3.6 + −0.046 * x
Mt (EJ for BioeneryCrop)
3.4
3.2
3.0
2.8
2.6
8
9
thousand km^2
year
2100
2080
2060
2040
2020

Brazil OtherGrain price vs production
r2 = 0.91 pval = 0
y = −0.05 + 0.02223 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
2.6
2.8
3.0
3.2
3.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil OtherGrain price vs allocation
r2 = 0.08 pval = 0.26166
y = 0.06 + −0.00386 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
8
9
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Rice production vs allocation
r2 = 0.71 pval = 1e−05
y = 7.48 + 0.29 * x
Mt (EJ for BioeneryCrop)
13
12
11
10
9
9
12
15
18
21
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Rice price vs production
r2 = 0.85 pval = 0
y = 0.75 + −0.0507 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
9
10
11
12
13
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Rice price vs allocation
r2 = 0.89 pval = 0
y = 0.41 + −0.01785 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.1
9
12
15
18
21
thousand km^2
year
2100
2080
2060
2040
2020

Brazil RootTuber production vs allocation
r2 = 0.07 pval = 0.27649
y = −33.36 + 4.807 * x
Mt (EJ for BioeneryCrop)
45
40
35
30
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Brazil RootTuber price vs production
r2 = 0.86 pval = 0
y = 0 + 0.00149 * x
1975$ per kg (per GJ for BioeneryCrop)
0.07
0.06
0.05
0.04
30
35
40
45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil RootTuber price vs allocation
r2 = 0.1 pval = 0.20283
y = −0.08 + 0.00893 * x
1975$ per kg (per GJ for BioeneryCrop)
0.07
0.06
0.05
0.04
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Soybean production vs allocation
r2 = 0.95 pval = 0
y = 27.98 + 0.31 * x
Mt (EJ for BioeneryCrop)
40
60
80
100
100
150
200
250
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Soybean price vs production
r2 = 0.94 pval = 0
y = 0.42 + −0.00307 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
40
60
80
100
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Soybean price vs allocation
r2 = 0.88 pval = 0
y = 0.34 + −0.00095 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
100
150
200
250
thousand km^2
year
2100
2080
2060
2040
2020

Brazil SugarCrop production vs allocation
r2 = 0.81 pval = 0
y = −944.5 + 21.555 * x
Mt (EJ for BioeneryCrop)
3000
2500
2000
1500
1000
100
125
150
175
200
thousand km^2
year
2100
2080
2060
2040
2020

Brazil SugarCrop price vs production
r2 = 0.44 pval = 0.00272
y = 0 + 0 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0150
0.0125
0.0100
0.0075
0.0050
1000
1500
2000
2500
3000
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil SugarCrop price vs allocation
r2 = 0.08 pval = 0.24571
y = 0.01 + 4e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0150
0.0125
0.0100
0.0075
100
125
150
175
200
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Vegetables production vs allocation
r2 = 0.51 pval = 0.00088
y = 18.83 + −1.442 * x
Mt (EJ for BioeneryCrop)
14
13
12
3.2
3.6
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Vegetables price vs production
r2 = 0.35 pval = 0.01036
y = 0 + 0.00895 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
12
13
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Vegetables price vs allocation
r2 = 0.9 pval = 0
y = 0.22 + −0.02924 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
0.10
3.2
3.6
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Wheat production vs allocation
r2 = 0.02 pval = 0.61979
y = 5.74 + 0.011 * x
Mt (EJ for BioeneryCrop)
6.2
6.0
5.8
5.6
5.4
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Brazil Wheat price vs production
r2 = 0.04 pval = 0.44172
y = 0.12 + −0.01377 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
5.4
5.6
5.8
6.0
6.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Brazil Wheat price vs allocation
r2 = 0.88 pval = 0
y = 0.11 + −0.00574 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
0.01
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Canada BioenergyCrop production vs allocation
r2 = 0.96 pval = 0
y = −0.11 + 0.017 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
2
4
6
0
100
200
300
year
2100
2080
2060
2040
2020

Canada BioenergyCrop price vs production
r2 = 0.63 pval = 8e−05
y = 0.85 + 1.36325 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
2
4
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada BioenergyCrop price vs allocation
r2 = 0.45 pval = 0.00239
y = 1.51 + 0.01983 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

Canada Corn production vs allocation
r2 = 0 pval = 0.95286
y = 24.05 + −0.035 * x
Mt (EJ for BioeneryCrop)
28
24
20
16
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Canada Corn price vs production
r2 = 0.58 pval = 0.00022
y = −0.08 + 0.00758 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.05
16
20
24
28
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Corn price vs allocation
r2 = 0.35 pval = 0.0103
y = 0.31 + −0.01348 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Canada FiberCrop production vs allocation
r2 = 0.45 pval = 0.00238
y = 0.02 + 0.026 * x
Mt (EJ for BioeneryCrop)
0.0310
0.0305
0.0300
0.0295
0.0290
0.0285
0.18
0.19
0.20
0.21
0.22
thousand km^2
year
2100
2080
2060
2040
2020

Canada FiberCrop price vs production
r2 = 0.25 pval = 0.03411
y = 3.2 + −99.50564 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.0285
0.0290
0.0295
0.0300
0.0305
0.0310
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada FiberCrop price vs allocation
r2 = 0.75 pval = 0
y = 1.59 + −6.64143 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.18
0.19
0.20
0.21
0.22
thousand km^2
year
2100
2080
2060
2040
2020

Canada FodderGrass production vs allocation
r2 = 0.85 pval = 0
y = −29.77 + 1.038 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
56
60
64
thousand km^2
year
2100
2080
2060
2040
2020

Canada FodderGrass price vs production
r2 = 0.91 pval = 0
y = −0.16 + 0.00694 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.06
0.03
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada FodderGrass price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.35 + 0.0069 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.06
0.03
56
60
64
thousand km^2
year
2100
2080
2060
2040
2020

Canada FodderHerb production vs allocation
r2 = 0.94 pval = 0
y = −14.83 + 10.996 * x
Mt (EJ for BioeneryCrop)
15
10
2.0
2.4
2.8
thousand km^2
year
2100
2080
2060
2040
2020

Canada FodderHerb price vs production
r2 = 0.87 pval = 0
y = −0.01 + 0.00621 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
7.5
10.0
12.5
15.0
17.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada FodderHerb price vs allocation
r2 = 0.9 pval = 0
y = −0.11 + 0.07168 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
2.0
2.4
2.8
thousand km^2
year
2100
2080
2060
2040
2020

Canada Fruits production vs allocation
r2 = 0.55 pval = 0.00042
y = 4.82 + −4.219 * x
Mt (EJ for BioeneryCrop)
1.3
1.2
1.1
1.0
0.86
0.88
0.90
thousand km^2
year
2100
2080
2060
2040
2020

Canada Fruits price vs production
r2 = 0.87 pval = 0
y = −0.04 + 0.28981 * x
1975$ per kg (per GJ for BioeneryCrop)
0.325
0.300
0.275
0.250
0.225
1.0
1.1
1.2
1.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Fruits price vs allocation
r2 = 0.77 pval = 0
y = 1.64 + −1.54995 * x
1975$ per kg (per GJ for BioeneryCrop)
0.32
0.30
0.28
0.26
0.24
0.86
0.88
0.90
thousand km^2
year
2100
2080
2060
2040
2020

Canada Legumes production vs allocation
r2 = 0.59 pval = 0.00021
y = 4.58 + 0.075 * x
Mt (EJ for BioeneryCrop)
7.0
6.6
6.2
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Canada Legumes price vs production
r2 = 0.12 pval = 0.1523
y = 0.97 + −0.10486 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
6.2
6.6
7.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Legumes price vs allocation
r2 = 0.72 pval = 1e−05
y = 0.92 + −0.02484 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Canada MiscCrop production vs allocation
r2 = 0 pval = 0.84913
y = 0.04 + −0.016 * x
Mt (EJ for BioeneryCrop)
0.045
0.040
0.035
0.030
0.22
0.24
0.26
0.28
thousand km^2
year
2100
2080
2060
2040
2020

Canada MiscCrop price vs production
r2 = 0.85 pval = 0
y = 1.53 + −13.31716 * x
1975$ per kg (per GJ for BioeneryCrop)
1.10
1.05
1.00
0.95
0.90
0.030
0.035
0.040
0.045
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada MiscCrop price vs allocation
r2 = 0.13 pval = 0.13608
y = 0.59 + 1.75365 * x
1975$ per kg (per GJ for BioeneryCrop)
1.10
1.05
1.00
0.95
0.90
0.22
0.24
0.26
0.28
thousand km^2
year
2100
2080
2060
2040
2020

Canada OilCrop production vs allocation
r2 = 0.58 pval = 0.00024
y = 16.12 + 0.087 * x
Mt (EJ for BioeneryCrop)
25.0
22.5
20.0
60
80
100
thousand km^2
year
2100
2080
2060
2040
2020

Canada OilCrop price vs production
r2 = 0.56 pval = 0.00035
y = 0.87 + −0.02893 * x
1975$ per kg (per GJ for BioeneryCrop)
0.35
0.30
0.25
0.20
0.15
0.10
20.0
22.5
25.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada OilCrop price vs allocation
r2 = 0.94 pval = 0
y = 0.52 + −0.00429 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
60
80
100
thousand km^2
year
2100
2080
2060
2040
2020

Canada OtherGrain production vs allocation
r2 = 0.79 pval = 0
y = 8.51 + 0.14 * x
Mt (EJ for BioeneryCrop)
14
13
12
24
28
32
36
thousand km^2
year
2100
2080
2060
2040
2020

Canada OtherGrain price vs production
r2 = 0.84 pval = 0
y = 0.71 + −0.04862 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
12
13
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada OtherGrain price vs allocation
r2 = 0.88 pval = 0
y = 0.32 + −0.0079 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
24
28
32
36
thousand km^2
year
2100
2080
2060
2040
2020

Canada RootTuber production vs allocation
r2 = 0.86 pval = 0
y = 15.44 + −6.968 * x
7.0
6.5
6.0
Mt (EJ for BioeneryCrop)
1.25
1.30
1.35
thousand km^2
year
2100
2080
2060
2040
2020

Canada RootTuber price vs production
r2 = 0.82 pval = 0
y = −0.16 + 0.03715 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
0.05
6.0
6.5
7.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada RootTuber price vs allocation
r2 = 0.77 pval = 0
y = 0.43 + −0.27065 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
1.25
1.30
1.35
thousand km^2
year
2100
2080
2060
2040
2020

Canada Soybean production vs allocation
r2 = 0.91 pval = 0
y = 2.55 + 0.21 * x
Mt (EJ for BioeneryCrop)
7
6
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Canada Soybean price vs production
r2 = 0.86 pval = 0
y = 0.61 + −0.0694 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Soybean price vs allocation
r2 = 0.86 pval = 0
y = 0.44 + −0.01532 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Canada SugarCrop production vs allocation
r2 = 0.95 pval = 0
y = −0.94 + 17.969 * x
Mt (EJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.08
0.09
0.10
0.11
thousand km^2
year
2100
2080
2060
2040
2020

Canada SugarCrop price vs production
r2 = 0.83 pval = 0
y = −0.01 + 0.03088 * x
1975$ per kg (per GJ for BioeneryCrop)
0.025
0.020
0.015
0.010
0.6
0.8
1.0
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada SugarCrop price vs allocation
r2 = 0.65 pval = 5e−05
y = −0.03 + 0.50736 * x
1975$ per kg (per GJ for BioeneryCrop)
0.02
0.01
0.08
0.09
0.10
0.11
thousand km^2
year
2100
2080
2060
2040
2020

Canada Vegetables production vs allocation
r2 = 0.11 pval = 0.18413
y = −0.49 + 3.738 * x
Mt (EJ for BioeneryCrop)
3.5
3.0
2.5
0.90
0.95
1.00
thousand km^2
year
2100
2080
2060
2040
2020

Canada Vegetables price vs production
r2 = 0.97 pval = 0
y = 0.06 + 0.03261 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.17
0.16
0.15
0.14
0.13
2.5
3.0
3.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Vegetables price vs allocation
r2 = 0.1 pval = 0.19246
y = 0.04 + 0.12186 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.17
0.16
0.15
0.14
0.90
0.95
1.00
thousand km^2
year
2100
2080
2060
2040
2020

Canada Wheat production vs allocation
r2 = 0.65 pval = 5e−05
y = 21.03 + 0.179 * x
Mt (EJ for BioeneryCrop)
40
36
32
28
50
60
70
80
90
thousand km^2
year
2100
2080
2060
2040
2020

Canada Wheat price vs production
r2 = 0.73 pval = 1e−05
y = 0.39 + −0.00858 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
28
32
36
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Canada Wheat price vs allocation
r2 = 0.92 pval = 0
y = 0.25 + −0.00213 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
50
60
70
80
90
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.05 + 0.023 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.0
0
25
50
75
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean BioenergyCrop price vs production
r2 = 0.72 pval = 1e−05
y = 0.88 + 4.08239 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0.0
0.5
1.0
1.5
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean BioenergyCrop price vs allocation
r2 = 0.55 pval = 0.00043
y = 1.34 + 0.08368 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
25
50
75
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Corn production vs allocation
r2 = 0.95 pval = 0
y = −25.65 + 1.396 * x
Mt (EJ for BioeneryCrop)
9
8
7
6
5
22
23
24
25
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Corn price vs production
r2 = 0.98 pval = 0
y = 0.01 + 0.0098 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
5
6
7
8
9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Corn price vs allocation
r2 = 0.95 pval = 0
y = −0.24 + 0.01387 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.07
0.08
0.09
0.10
22
23
24
25
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FiberCrop production vs allocation
r2 = 0.46 pval = 0.00197
y = 0.09 + −0.06 * x
Mt (EJ for BioeneryCrop)
0.064
0.060
0.056
0.44
0.48
0.52
0.56
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FiberCrop price vs production
r2 = 0.36 pval = 0.00804
y = −1.49 + 30.76374 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.056
0.060
0.064
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean FiberCrop price vs allocation
r2 = 0.91 pval = 0
y = 2.58 + −4.28204 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.44
0.48
0.52
0.56
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderGrass production vs allocation
r2 = 1 pval = 0
y = −0.01 + 1.981 * x
Mt (EJ for BioeneryCrop)
0.04
0.03
0.02
0.015
0.020
0.025
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderGrass price vs production
r2 = 0.88 pval = 0
y = −0.06 + 3.36427 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
0.02
0.03
0.04
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderGrass price vs allocation
r2 = 0.9 pval = 0
y = −0.1 + 6.7471 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
0.000
0.015
0.020
0.025
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderHerb production vs allocation
r2 = 0.99 pval = 0
y = 0 + 1.773 * x
Mt (EJ for BioeneryCrop)
0.0024
0.0020
0.0016
0.0013
0.0015
0.0017
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderHerb price vs production
r2 = 0.97 pval = 0
y = −0.04 + 56.37768 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.00150
0.00175
0.00200
0.00225
0.00250
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean FodderHerb price vs allocation
r2 = 0.99 pval = 0
y = −0.08 + 101.48791 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.0013
0.0015
0.0017
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Fruits production vs allocation
r2 = 0.87 pval = 0
y = −114.82 + 11.751 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
20
11.5
12.0
12.5
13.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Fruits price vs production
r2 = 0.95 pval = 0
y = 0.07 + 0.00173 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Fruits price vs allocation
r2 = 0.75 pval = 0
y = −0.12 + 0.01936 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
11.5
12.0
12.5
13.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Legumes production vs allocation
r2 = 0.66 pval = 4e−05
y = −7.02 + 0.709 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
12.0
12.4
12.8
13.2
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Legumes price vs production
r2 = 0.95 pval = 0
y = −0.4 + 0.43366 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
1.5
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Legumes price vs allocation
r2 = 0.74 pval = 0
y = −3.79 + 0.33521 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
12.0
12.4
12.8
13.2
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean MiscCrop production vs allocation
r2 = 0.98 pval = 0
y = −1.29 + 0.18 * x
Mt (EJ for BioeneryCrop)
2.50
2.25
2.00
1.75
1.50
16
17
18
19
20
21
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean MiscCrop price vs production
r2 = 0.19 pval = 0.06806
y = 0.54 + 0.00978 * x
1975$ per kg (per GJ for BioeneryCrop)
0.570
0.565
0.560
0.555
0.550
1.50
1.75
2.00
2.25
2.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean MiscCrop price vs allocation
r2 = 0.18 pval = 0.08007
y = 0.53 + 0.00172 * x
1975$ per kg (per GJ for BioeneryCrop)
0.570
0.565
0.560
0.555
0.550
16
17
18
19
20
21
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean NutsSeeds production vs allocation
r2 = 0.07 pval = 0.27458
y = 0.28 + 0.016 * x
Mt (EJ for BioeneryCrop)
0.31
0.30
0.29
0.28
0.8
0.9
1.0
1.1
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean NutsSeeds price vs production
r2 = 0 pval = 0.82909
y = 2.69 + −5.05163 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.28
0.29
0.30
0.31
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean NutsSeeds price vs allocation
r2 = 0.93 pval = 0
y = 6.07 + −5.24382 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.8
0.9
1.0
1.1
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OilCrop production vs allocation
r2 = 0.66 pval = 4e−05
y = 2.4 + −0.735 * x
Mt (EJ for BioeneryCrop)
1.1
1.0
0.9
0.8
1.8
1.9
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OilCrop price vs production
r2 = 0.68 pval = 3e−05
y = −0.87 + 1.11673 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.8
0.9
1.0
1.1
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean OilCrop price vs allocation
r2 = 0.95 pval = 0
y = 2.49 + −1.19321 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
1.8
1.9
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OilPalm production vs allocation
r2 = 0.99 pval = 0
y = −6.18 + 2.568 * x
Mt (EJ for BioeneryCrop)
40
30
20
10
4
8
12
16
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OilPalm price vs production
r2 = 0.76 pval = 0
y = 0.02 + 0.00156 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
10
20
30
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean OilPalm price vs allocation
r2 = 0.69 pval = 2e−05
y = 0.01 + 0.00382 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
4
8
12
16
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OtherGrain production vs allocation
r2 = 0.23 pval = 0.04603
y = 3.98 + −1.184 * x
Mt (EJ for BioeneryCrop)
0.60
0.55
0.50
0.45
2.86
2.88
2.90
2.92
2.94
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean OtherGrain price vs production
r2 = 0.93 pval = 0
y = −0.13 + 0.44269 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
0.45
0.50
0.55
0.60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean OtherGrain price vs allocation
r2 = 0.22 pval = 0.05064
y = 1.66 + −0.53503 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.13
0.11
0.09
0.07
2.86
2.88
2.90
2.92
2.94
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Rice production vs allocation
r2 = 0.13 pval = 0.14388
y = 3.48 + −0.112 * x
Mt (EJ for BioeneryCrop)
3.3
3.1
2.9
2.7
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Rice price vs production
r2 = 0.11 pval = 0.17469
y = −0.15 + 0.12743 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
2.7
2.9
3.1
3.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Rice price vs allocation
r2 = 0.93 pval = 0
y = 0.75 + −0.11419 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean RootTuber production vs allocation
r2 = 0.03 pval = 0.50687
y = −8.08 + 2.491 * x
Mt (EJ for BioeneryCrop)
8
7
6
6.10
6.15
6.20
6.25
6.30
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean RootTuber price vs production
r2 = 0.91 pval = 0
y = 0.03 + 0.01469 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
0.10
6
7
8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean RootTuber price vs allocation
r2 = 0.04 pval = 0.42224
y = −0.15 + 0.04614 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
6.10
6.15
6.20
6.25
6.30
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Soybean production vs allocation
r2 = 0.93 pval = 0
y = 0.04 + 0.106 * x
Mt (EJ for BioeneryCrop)
0.060
0.055
0.050
0.15
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Soybean price vs production
r2 = 0.89 pval = 0
y = 0.88 + −13.3189 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.1
0.050
0.055
0.060
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Soybean price vs allocation
r2 = 0.85 pval = 0
y = 0.41 + −1.42884 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
0.15
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean SugarCrop production vs allocation
r2 = 0.07 pval = 0.29812
y = 59.71 + 6.09 * x
Mt (EJ for BioeneryCrop)
160
140
120
100
11.5
12.0
12.5
13.0
13.5
14.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean SugarCrop price vs production
r2 = 0.55 pval = 4e−04
y = −0.01 + 0.00037 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
100
120
140
160
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean SugarCrop price vs allocation
r2 = 0.19 pval = 0.06922
y = 0.1 + −0.00506 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
11.5
12.0
12.5
13.0
13.5
14.0
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Vegetables production vs allocation
r2 = 0.96 pval = 0
y = −18.04 + 5.725 * x
Mt (EJ for BioeneryCrop)
16
14
12
10
8
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.1 + 0.00599 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
8
10
12
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Vegetables price vs allocation
r2 = 0.99 pval = 0
y = −0.01 + 0.03562 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.19
0.18
0.17
0.16
0.15
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Wheat production vs allocation
r2 = 0.96 pval = 0
y = 0 + 0.225 * x
Mt (EJ for BioeneryCrop)
0.005
0.004
0.003
0.002
0.020
0.025
0.030
0.035
thousand km^2
year
2100
2080
2060
2040
2020

Central America and Caribbean Wheat price vs production
r2 = 0.99 pval = 0
y = −0.01 + 34.25894 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.002
0.003
0.004
0.005
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central America and Caribbean Wheat price vs allocation
r2 = 0.95 pval = 0
y = −0.1 + 7.70782 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.020
0.025
0.030
0.035
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.04 + 0.012 * x
Mt (EJ for BioeneryCrop)
0
1
2
0
50
100
150
200
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia BioenergyCrop price vs production
r2 = 0.72 pval = 1e−05
y = 0.82 + 3.76476 * x
1975$ per kg (per GJ for BioeneryCrop)
12
9
6
3
0
1
2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia BioenergyCrop price vs allocation
r2 = 0.57 pval = 0.00031
y = 1.39 + 0.04225 * x
1975$ per kg (per GJ for BioeneryCrop)
12
9
6
3
0
50
100
150
200
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Corn production vs allocation
r2 = 0.81 pval = 0
y = −5.26 + 1.813 * x
Mt (EJ for BioeneryCrop)
4.0
3.5
3.0
2.5
4.2
4.5
4.8
5.1
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Corn price vs production
r2 = 0.91 pval = 0
y = −0.12 + 0.06399 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
2.5
3.0
3.5
4.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Corn price vs allocation
r2 = 0.58 pval = 0.00024
y = −0.39 + 0.10276 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
4.2
4.5
4.8
5.1
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FiberCrop production vs allocation
r2 = 0.01 pval = 0.66835
y = 6.89 + −0.035 * x
Mt (EJ for BioeneryCrop)
7.0
6.5
6.0
5.5
5.0
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FiberCrop price vs production
r2 = 0.17 pval = 0.08429
y = −0.14 + 0.08609 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.3
0.4
0.5
5.0
5.5
6.0
6.5
7.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia FiberCrop price vs allocation
r2 = 0.88 pval = 0
y = 1.68 + −0.06301 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FodderGrass production vs allocation
r2 = 0.83 pval = 0
y = −10.05 + 3.092 * x
Mt (EJ for BioeneryCrop)
10
8
6
5.0
5.5
6.0
6.5
7.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FodderGrass price vs production
r2 = 0.96 pval = 0
y = −0.04 + 0.01225 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
6
8
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia FodderGrass price vs allocation
r2 = 0.83 pval = 0
y = −0.16 + 0.03876 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
5.0
5.5
6.0
6.5
7.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FodderHerb production vs allocation
r2 = 0.98 pval = 0
y = 1.41 + 1.028 * x
Mt (EJ for BioeneryCrop)
20
15
10
5
4
8
12
16
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia FodderHerb price vs production
r2 = 0.88 pval = 0
y = 0.02 + 0.00431 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
5
10
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia FodderHerb price vs allocation
r2 = 0.95 pval = 0
y = 0.02 + 0.00465 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
4
8
12
16
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Fruits production vs allocation
r2 = 0.94 pval = 0
y = −6.97 + 1.613 * x
Mt (EJ for BioeneryCrop)
12
11
10
9
8
7
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Fruits price vs production
r2 = 0.75 pval = 0
y = 0.07 + 0.01017 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
8
9
10
11
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Fruits price vs allocation
r2 = 0.58 pval = 0.00025
y = 0.01 + 0.01489 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
0.14
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Legumes production vs allocation
r2 = 0.92 pval = 0
y = −2 + 0.57 * x
Mt (EJ for BioeneryCrop)
1.4
1.2
1.0
0.8
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Legumes price vs production
r2 = 0.97 pval = 0
y = −0.27 + 0.60629 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.8
1.0
1.2
1.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Legumes price vs allocation
r2 = 0.86 pval = 0
y = −1.46 + 0.34067 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
0.5
0.6
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia MiscCrop production vs allocation
r2 = 0.72 pval = 1e−05
y = 0.02 + 0.13 * x
Mt (EJ for BioeneryCrop)
0.045
0.040
0.035
0.030
0.10
0.12
0.14
0.16
0.18
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia MiscCrop price vs production
r2 = 0.48 pval = 0.00154
y = 1.55 + −8.27372 * x
1975$ per kg (per GJ for BioeneryCrop)
1.30
1.25
1.20
1.15
0.030
0.035
0.040
0.045
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia MiscCrop price vs allocation
r2 = 0.92 pval = 0
y = 1.49 + −1.75855 * x
1975$ per kg (per GJ for BioeneryCrop)
1.30
1.25
1.20
1.15
0.10
0.12
0.14
0.16
0.18
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia NutsSeeds production vs allocation
r2 = 0.82 pval = 0
y = −0.54 + 0.692 * x
Mt (EJ for BioeneryCrop)
0.40
0.35
0.30
0.25
0.20
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia NutsSeeds price vs production
r2 = 0.91 pval = 0
y = −3.98 + 18.46646 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
3
4
0.25
0.30
0.35
0.40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia NutsSeeds price vs allocation
r2 = 0.58 pval = 0.00025
y = −12.01 + 11.26301 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia OilCrop production vs allocation
r2 = 0 pval = 0.78174
y = 4.31 + 0.018 * x
Mt (EJ for BioeneryCrop)
6
5
4
3
2
24
28
32
36
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia OilCrop price vs production
r2 = 0.61 pval = 0.00013
y = 0 + 0.03914 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
2
3
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia OilCrop price vs allocation
r2 = 0.25 pval = 0.0346
y = 0.36 + −0.00655 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
24
28
32
36
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia OtherGrain production vs allocation
r2 = 0.22 pval = 0.0506
y = 48.61 + −1.177 * x
Mt (EJ for BioeneryCrop)
9
8
7
6
34.0
34.5
35.0
35.5
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia OtherGrain price vs production
r2 = 0.87 pval = 0
y = −0.02 + 0.01005 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
6
7
8
9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia OtherGrain price vs allocation
r2 = 0.1 pval = 0.19866
y = 0.36 + −0.00863 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
34.0
34.5
35.0
35.5
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Rice production vs allocation
r2 = 0.07 pval = 0.27925
y = 0.84 + 0.198 * x
Mt (EJ for BioeneryCrop)
1.6
1.4
1.2
2.6
2.8
3.0
3.2
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Rice price vs production
r2 = 0.3 pval = 0.01792
y = −0.07 + 0.20302 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
1.2
1.4
1.6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Rice price vs allocation
r2 = 0.41 pval = 0.0045
y = 0.74 + −0.17206 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
2.6
2.8
3.0
3.2
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia RootTuber production vs allocation
r2 = 0.71 pval = 1e−05
y = 56.97 + −8.65 * x
Mt (EJ for BioeneryCrop)
16
14
12
4.8
5.0
5.2
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia RootTuber price vs production
r2 = 0.92 pval = 0
y = 0.01 + 0.00581 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
12
14
16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia RootTuber price vs allocation
r2 = 0.59 pval = 0.00021
y = 0.33 + −0.0478 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
4.8
5.0
5.2
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Soybean production vs allocation
r2 = 0.97 pval = 0
y = 0.1 + 0.127 * x
Mt (EJ for BioeneryCrop)
0.250
0.225
0.200
0.175
0.6
0.8
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Soybean price vs production
r2 = 0.9 pval = 0
y = 0.6 + −2.10862 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.175
0.200
0.225
0.250
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Soybean price vs allocation
r2 = 0.86 pval = 0
y = 0.38 + −0.26573 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.6
0.8
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia SugarCrop production vs allocation
r2 = 1 pval = 0
y = −0.9 + 5.119 * x
Mt (EJ for BioeneryCrop)
6
4
2
0.4
0.8
1.2
1.6
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia SugarCrop price vs production
r2 = 0.92 pval = 0
y = 0.01 + 0.00179 * x
0.025
0.020
0.015
1975$ per kg (per GJ for BioeneryCrop)
2
4
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia SugarCrop price vs allocation
r2 = 0.93 pval = 0
y = 0.01 + 0.00923 * x
1975$ per kg (per GJ for BioeneryCrop)
0.025
0.020
0.015
0.4
0.8
1.2
1.6
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Vegetables production vs allocation
r2 = 0.99 pval = 0
y = −42.85 + 7.903 * x
Mt (EJ for BioeneryCrop)
50
40
30
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Vegetables price vs production
r2 = 0.92 pval = 0
y = 0.07 + 0.00091 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.11
0.10
0.09
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Vegetables price vs allocation
r2 = 0.88 pval = 0
y = 0.03 + 0.00707 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.11
0.10
0.09
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Wheat production vs allocation
r2 = 0.82 pval = 0
y = 51.43 + −0.15 * x
Mt (EJ for BioeneryCrop)
32
30
28
26
130
140
150
160
170
thousand km^2
year
2100
2080
2060
2040
2020

Central Asia Wheat price vs production
r2 = 0.9 pval = 0
y = −0.28 + 0.012 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
26
28
30
32
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Central Asia Wheat price vs allocation
r2 = 0.78 pval = 0
y = 0.34 + −0.00184 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
0.025
130
140
150
160
170
thousand km^2
year
2100
2080
2060
2040
2020

China BioenergyCrop production vs allocation
r2 = 1 pval = 0
y = −0.61 + 0.026 * x
Mt (EJ for BioeneryCrop)
0
10
20
0
300
600
900
thousand km^2
year
2100
2080
2060
2040
2020

China BioenergyCrop price vs production
r2 = 0.98 pval = 0
y = 0.84 + 0.28301 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
10
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China BioenergyCrop price vs allocation
r2 = 0.97 pval = 0
y = 0.7 + 0.00732 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
300
600
900
thousand km^2
year
2100
2080
2060
2040
2020

China Corn production vs allocation
r2 = 0.49 pval = 0.00131
y = 202.72 + 0.273 * x
Mt (EJ for BioeneryCrop)
290
280
270
260
250
200
220
240
260
thousand km^2
year
2100
2080
2060
2040
2020

China Corn price vs production
r2 = 0.25 pval = 0.03267
y = 0.49 + −0.00123 * x
1975$ per kg (per GJ for BioeneryCrop)
0.200
0.175
0.150
0.125
250
260
270
280
290
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Corn price vs allocation
r2 = 0.91 pval = 0
y = 0.37 + −0.00091 * x
1975$ per kg (per GJ for BioeneryCrop)
0.200
0.175
0.150
0.125
200
220
240
260
thousand km^2
year
2100
2080
2060
2040
2020

China FiberCrop production vs allocation
r2 = 0.83 pval = 0
y = 9.21 + 0.436 * x
Mt (EJ for BioeneryCrop)
19
18
17
16
15
14
15.0
17.5
20.0
22.5
thousand km^2
year
2100
2080
2060
2040
2020

China FiberCrop price vs production
r2 = 0.62 pval = 0.00011
y = 1.53 + −0.05346 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
14
15
16
17
18
19
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China FiberCrop price vs allocation
r2 = 0.92 pval = 0
y = 1.19 + −0.03134 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
15.0
17.5
20.0
22.5
thousand km^2
year
2100
2080
2060
2040
2020

China Fruits production vs allocation
r2 = 0.04 pval = 0.41046
y = 239.41 + −0.321 * x
Mt (EJ for BioeneryCrop)
210
200
190
180
170
160
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

China Fruits price vs production
r2 = 0.63 pval = 9e−05
y = 0.19 + 0.00037 * x
1975$ per kg (per GJ for BioeneryCrop)
0.26
0.25
160
170
180
190
200
210
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Fruits price vs allocation
r2 = 0.46 pval = 0.00199
y = 0.32 + −0.00049 * x
1975$ per kg (per GJ for BioeneryCrop)
0.265
0.260
0.255
0.250
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

China Legumes production vs allocation
r2 = 0.98 pval = 0
y = −4.62 + 0.602 * x
Mt (EJ for BioeneryCrop)
10
8
6
15
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

China Legumes price vs production
r2 = 0.84 pval = 0
y = −0.09 + 0.09137 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
6
8
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Legumes price vs allocation
r2 = 0.74 pval = 0
y = −0.45 + 0.05217 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
15
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

China MiscCrop production vs allocation
r2 = 0.86 pval = 0
y = 2.75 + 0.165 * x
Mt (EJ for BioeneryCrop)
7
6
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

China MiscCrop price vs production
r2 = 0.06 pval = 0.30924
y = 1.29 + −0.00799 * x
1975$ per kg (per GJ for BioeneryCrop)
1.27
1.25
1.23
1.21
1.19
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China MiscCrop price vs allocation
r2 = 0.33 pval = 0.01267
y = 1.32 + −0.00322 * x
1975$ per kg (per GJ for BioeneryCrop)
1.27
1.25
1.23
1.21
1.19
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

China NutsSeeds production vs allocation
r2 = 0.77 pval = 0
y = −32.69 + 1.969 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
27
29
31
33
thousand km^2
year
2100
2080
2060
2040
2020

China NutsSeeds price vs production
r2 = 0.79 pval = 0
y = −1.24 + 0.09135 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China NutsSeeds price vs allocation
r2 = 0.34 pval = 0.01077
y = −2.85 + 0.13445 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.2
0.8
0.4
27
29
31
33
thousand km^2
year
2100
2080
2060
2040
2020

China OilCrop production vs allocation
r2 = 0.44 pval = 0.00281
y = 89.27 + −1.186 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
20
45.0
47.5
50.0
52.5
55.0
thousand km^2
year
2100
2080
2060
2040
2020

China OilCrop price vs production
r2 = 0.87 pval = 0
y = 0.05 + 0.01048 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.45
0.40
0.35
0.30
0.25
20
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China OilCrop price vs allocation
r2 = 0.69 pval = 2e−05
y = 1.19 + −0.01665 * x
1975$ per kg (per GJ for BioeneryCrop)
0.45
0.40
0.35
0.30
45.0
47.5
50.0
52.5
55.0
thousand km^2
year
2100
2080
2060
2040
2020

China OilPalm production vs allocation
r2 = 1 pval = 0
y = −0.39 + 2.008 * x
Mt (EJ for BioeneryCrop)
3
2
1
0.8
1.2
1.6
thousand km^2
year
2100
2080
2060
2040
2020

China OilPalm price vs production
r2 = 0.96 pval = 0
y = 0.04 + 0.01878 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China OilPalm price vs allocation
r2 = 0.95 pval = 0
y = 0.04 + 0.03758 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.8
1.2
1.6
thousand km^2
year
2100
2080
2060
2040
2020

China OtherGrain production vs allocation
r2 = 0.32 pval = 0.01368
y = 7.21 + 0.097 * x
Mt (EJ for BioeneryCrop)
9.0
8.5
13
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

China OtherGrain price vs production
r2 = 0.22 pval = 0.05004
y = 0.58 + −0.04507 * x
1975$ per kg (per GJ for BioeneryCrop)
0.225
0.200
0.175
0.150
0.125
8.5
9.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China OtherGrain price vs allocation
r2 = 0.95 pval = 0
y = 0.43 + −0.01601 * x
1975$ per kg (per GJ for BioeneryCrop)
0.225
0.200
0.175
0.150
0.125
13
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

China Rice production vs allocation
r2 = 0.94 pval = 0
y = 98.47 + 0.812 * x
Mt (EJ for BioeneryCrop)
200
180
160
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

China Rice price vs production
r2 = 0.75 pval = 0
y = 0.68 + −0.00234 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
160
170
180
190
200
210
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Rice price vs allocation
r2 = 0.91 pval = 0
y = 0.48 + −0.00215 * x
0.30
0.25
0.20
1975$ per kg (per GJ for BioeneryCrop)
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

China RootTuber production vs allocation
r2 = 0.07 pval = 0.29581
y = 130.36 + 1.516 * x
Mt (EJ for BioeneryCrop)
200
180
160
30.0
32.5
35.0
37.5
40.0
thousand km^2
year
2100
2080
2060
2040
2020

China RootTuber price vs production
r2 = 0.51 pval = 0.00091
y = 0.08 + 0.00027 * x
1975$ per kg (per GJ for BioeneryCrop)
0.140
0.135
0.130
0.125
0.120
160
180
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China RootTuber price vs allocation
r2 = 0.17 pval = 0.09205
y = 0.17 + −0.00091 * x
1975$ per kg (per GJ for BioeneryCrop)
0.140
0.135
0.130
0.125
0.120
30.0
32.5
35.0
37.5
40.0
thousand km^2
year
2100
2080
2060
2040
2020

China Soybean production vs allocation
r2 = 0.09 pval = 0.22049
y = 20.86 + −0.111 * x
Mt (EJ for BioeneryCrop)
18
16
14
37.5
40.0
42.5
45.0
47.5
thousand km^2
year
2100
2080
2060
2040
2020

China Soybean price vs production
r2 = 0.51 pval = 0.00094
y = −0.56 + 0.05812 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
14
16
18
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Soybean price vs allocation
r2 = 0.72 pval = 1e−05
y = 1.44 + −0.02538 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
37.5
40.0
42.5
45.0
47.5
thousand km^2
year
2100
2080
2060
2040
2020

China SugarCrop production vs allocation
r2 = 0.96 pval = 0
y = −384.69 + 58.61 * x
Mt (EJ for BioeneryCrop)
300
250
200
150
100
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

China SugarCrop price vs production
r2 = 0.96 pval = 0
y = 0.04 + 0.00025 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.11
0.10
0.09
0.08
150
200
250
300
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China SugarCrop price vs allocation
r2 = 0.88 pval = 0
y = −0.05 + 0.01418 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.11
0.10
0.09
0.08
0.07
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

China Vegetables production vs allocation
r2 = 0.32 pval = 0.01422
y = 470.27 + 2.453 * x
Mt (EJ for BioeneryCrop)
850
800
750
700
650
90
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

China Vegetables price vs production
r2 = 0.05 pval = 0.39331
y = 0.19 + 2e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.210
0.205
0.200
0.195
0.190
650
700
750
800
850
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Vegetables price vs allocation
r2 = 0.44 pval = 0.00254
y = 0.24 + −0.00028 * x
1975$ per kg (per GJ for BioeneryCrop)
0.210
0.205
0.200
0.195
0.190
90
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

China Wheat production vs allocation
r2 = 0.46 pval = 0.00183
y = 109.11 + 0.2 * x
Mt (EJ for BioeneryCrop)
136
132
128
124
90
100
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

China Wheat price vs production
r2 = 0.51 pval = 0.00088
y = 0.99 + −0.00637 * x
1975$ per kg (per GJ for BioeneryCrop)
0.200
0.175
0.150
0.125
0.100
124
128
132
136
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

China Wheat price vs allocation
r2 = 0.94 pval = 0
y = 0.42 + −0.00255 * x
1975$ per kg (per GJ for BioeneryCrop)
0.21
0.18
0.15
0.12
0.09
90
100
110
120
130
thousand km^2
year
2100
2080
2060
2040
2020

Colombia BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.04 + 0.02 * x
Mt (EJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.00
0
20
40
thousand km^2
year
2100
2080
2060
2040
2020

Colombia BioenergyCrop price vs production
r2 = 0.95 pval = 0
y = 1.18 + 6.00119 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0.00
0.25
0.50
0.75
1.00
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia BioenergyCrop price vs allocation
r2 = 0.92 pval = 0
y = 0.99 + 0.11706 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
20
40
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Corn production vs allocation
r2 = 0.91 pval = 0
y = 4.56 + −1.076 * x
Mt (EJ for BioeneryCrop)
2.4
2.1
1.8
1.5
2.00
2.25
2.50
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Corn price vs production
r2 = 0.81 pval = 0
y = −0.04 + 0.07608 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
1.5
1.8
2.1
2.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Corn price vs allocation
r2 = 0.89 pval = 0
y = 0.32 + −0.09013 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
2.00
2.25
2.50
thousand km^2
year
2100
2080
2060
2040
2020

Colombia FiberCrop production vs allocation
r2 = 0.59 pval = 0.00019
y = 0.33 + −0.888 * x
Mt (EJ for BioeneryCrop)
0.13
0.12
0.11
0.10
0.09
0.08
0.23
0.24
0.25
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Colombia FiberCrop price vs production
r2 = 0.57 pval = 0.00028
y = −0.83 + 12.09189 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.08
0.09
0.10
0.11
0.12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia FiberCrop price vs allocation
r2 = 0.9 pval = 0
y = 4.85 + −17.47639 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.23
0.24
0.25
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Fruits production vs allocation
r2 = 0.95 pval = 0
y = −22.85 + 4.179 * x
Mt (EJ for BioeneryCrop)
20
16
12
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Fruits price vs production
r2 = 0.96 pval = 0
y = 0.12 + 0.00207 * x
1975$ per kg (per GJ for BioeneryCrop)
0.170
0.165
0.160
0.155
0.150
0.145
10
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Fruits price vs allocation
r2 = 0.86 pval = 0
y = 0.08 + 0.00838 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
0.15
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Legumes production vs allocation
r2 = 0.61 pval = 0.00012
y = −1.08 + 1.302 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.2
1.00
1.05
1.10
1.15
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Legumes price vs production
r2 = 0.91 pval = 0
y = −0.51 + 2.99449 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
0.25
0.30
0.35
0.40
0.45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Legumes price vs allocation
r2 = 0.38 pval = 0.00652
y = −2.99 + 3.21388 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
1.00
1.05
1.10
1.15
thousand km^2
year
2100
2080
2060
2040
2020

Colombia MiscCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.15 + 0.114 * x
Mt (EJ for BioeneryCrop)
2.00
1.75
1.50
1.25
1.00
9
11
13
15
17
thousand km^2
year
2100
2080
2060
2040
2020

Colombia MiscCrop price vs production
r2 = 0.7 pval = 2e−05
y = 0.65 + −0.0219 * x
1975$ per kg (per GJ for BioeneryCrop)
0.63
0.62
0.61
1.00
1.25
1.50
1.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia MiscCrop price vs allocation
r2 = 0.69 pval = 2e−05
y = 0.66 + −0.00248 * x
1975$ per kg (per GJ for BioeneryCrop)
0.63
0.62
0.61
9
11
13
15
17
thousand km^2
year
2100
2080
2060
2040
2020

Colombia NutsSeeds production vs allocation
r2 = 0.28 pval = 0.02423
y = 0 + 0.34 * x
Mt (EJ for BioeneryCrop)
0.0175
0.0150
0.0125
0.0100
0.035
0.040
0.045
0.050
thousand km^2
year
2100
2080
2060
2040
2020

Colombia NutsSeeds price vs production
r2 = 0.58 pval = 0.00022
y = −1.87 + 197.99435 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.0
0.0100
0.0125
0.0150
0.0175
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia NutsSeeds price vs allocation
r2 = 0.01 pval = 0.63177
y = 2.35 + −20.20087 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.035
0.040
0.045
0.050
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OilCrop production vs allocation
r2 = 0.83 pval = 0
y = −0.16 + 1.392 * x
Mt (EJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.2
0.3
0.4
0.5
0.6
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OilCrop price vs production
r2 = 0.65 pval = 5e−05
y = 0 + 0.37829 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.10
0.15
0.20
0.25
0.2
0.3
0.4
0.5
0.6
0.7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia OilCrop price vs allocation
r2 = 0.26 pval = 0.03201
y = 0.02 + 0.36261 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.2
0.3
0.4
0.5
0.6
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OilPalm production vs allocation
r2 = 0.99 pval = 0
y = −7.47 + 3.83 * x
Mt (EJ for BioeneryCrop)
40
30
20
10
5.0
7.5
10.0
12.5
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OilPalm price vs production
r2 = 0.77 pval = 0
y = 0.03 + 0.00116 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
10
20
30
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia OilPalm price vs allocation
r2 = 0.67 pval = 3e−05
y = 0.02 + 0.00417 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
5.0
7.5
10.0
12.5
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OtherGrain production vs allocation
r2 = 0.93 pval = 0
y = −0.22 + 3.361 * x
Mt (EJ for BioeneryCrop)
0.06
0.05
0.04
0.03
0.0775
0.0800
0.0825
0.0850
thousand km^2
year
2100
2080
2060
2040
2020

Colombia OtherGrain price vs production
r2 = 0.84 pval = 0
y = −0.02 + 2.9774 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.03
0.04
0.05
0.06
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia OtherGrain price vs allocation
r2 = 0.67 pval = 3e−05
y = −0.63 + 9.27253 * x
1975$ per kg (per GJ for BioeneryCrop)
0.175
0.150
0.125
0.100
0.075
0.0775
0.0800
0.0825
0.0850
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Rice production vs allocation
r2 = 0.29 pval = 0.02104
y = 6.75 + −1.058 * x
Mt (EJ for BioeneryCrop)
3.75
3.50
3.25
3.00
2.75
2.9
3.0
3.1
3.2
3.3
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Rice price vs production
r2 = 0.58 pval = 0.00025
y = −0.19 + 0.1076 * x
0.24
0.20
0.16
0.12
1975$ per kg (per GJ for BioeneryCrop)
2.75
3.00
3.25
3.50
3.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Rice price vs allocation
r2 = 0.86 pval = 0
y = 0.99 + −0.25784 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
2.9
3.0
3.1
3.2
3.3
thousand km^2
year
2100
2080
2060
2040
2020

Colombia RootTuber production vs allocation
r2 = 0.6 pval = 0.00017
y = 20.03 + −6.229 * x
Mt (EJ for BioeneryCrop)
8
7
6
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Colombia RootTuber price vs production
r2 = 0.86 pval = 0
y = 0.02 + 0.00963 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.095
0.090
0.085
0.080
0.075
5.5
6.0
6.5
7.0
7.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia RootTuber price vs allocation
r2 = 0.8 pval = 0
y = 0.25 + −0.07523 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.095
0.090
0.085
0.080
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Soybean production vs allocation
r2 = 0.08 pval = 0.2662
y = 0.09 + 0.082 * x
Mt (EJ for BioeneryCrop)
0.11
0.10
0.09
0.11
0.13
0.15
0.17
0.19
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Soybean price vs production
r2 = 0.08 pval = 0.26819
y = 0.56 + −2.86665 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.09
0.10
0.11
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Soybean price vs allocation
r2 = 0.96 pval = 0
y = 0.69 + −3.02337 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.11
0.13
0.15
0.17
0.19
thousand km^2
year
2100
2080
2060
2040
2020

Colombia SugarCrop production vs allocation
r2 = 0.9 pval = 0
y = −60.11 + 39.509 * x
Mt (EJ for BioeneryCrop)
160
120
80
40
3
4
5
thousand km^2
year
2100
2080
2060
2040
2020

Colombia SugarCrop price vs production
r2 = 0.67 pval = 3e−05
y = 0.01 + 8e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0200
0.0175
0.0150
0.0125
30
60
90
120
150
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia SugarCrop price vs allocation
r2 = 0.37 pval = 0.00734
y = 0.01 + 0.0026 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.018
0.016
0.014
0.012
3
4
5
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Vegetables production vs allocation
r2 = 0.08 pval = 0.25134
y = −7.31 + 13.954 * x
Mt (EJ for BioeneryCrop)
4.5
4.0
3.5
3.0
2.5
0.77
0.78
0.79
0.80
0.81
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Vegetables price vs production
r2 = 0.91 pval = 0
y = 0.1 + 0.00607 * x
1975$ per kg (per GJ for BioeneryCrop)
0.124
0.120
0.116
0.112
2.5
3.0
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Vegetables price vs allocation
r2 = 0.29 pval = 0.01999
y = −0.01 + 0.16881 * x
1975$ per kg (per GJ for BioeneryCrop)
0.126
0.123
0.120
0.117
0.114
0.77
0.78
0.79
0.80
0.81
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Wheat production vs allocation
r2 = 0.97 pval = 0
y = −0.01 + 0.731 * x
Mt (EJ for BioeneryCrop)
0.020
0.016
0.012
0.008
0.030
0.035
0.040
0.045
thousand km^2
year
2100
2080
2060
2040
2020

Colombia Wheat price vs production
r2 = 0.85 pval = 0
y = −0.04 + 12.72507 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.009
0.012
0.015
0.018
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Colombia Wheat price vs allocation
r2 = 0.72 pval = 1e−05
y = −0.19 + 8.69666 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.030
0.035
0.040
0.045
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 BioenergyCrop production vs allocation
r2 = 0.96 pval = 0
y = −0.16 + 0.023 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
2
4
6
0
100
200
year
2100
2080
2060
2040
2020

EU−12 BioenergyCrop price vs production
r2 = 0.68 pval = 3e−05
y = 0.93 + 1.34717 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
2
4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 BioenergyCrop price vs allocation
r2 = 0.51 pval = 0.00094
y = 1.38 + 0.02737 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
100
200
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Corn production vs allocation
r2 = 0.49 pval = 0.00123
y = 69.93 + −0.823 * x
Mt (EJ for BioeneryCrop)
39
36
33
30
37.5
40.0
42.5
45.0
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Corn price vs production
r2 = 0.75 pval = 0
y = −0.22 + 0.00898 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
0.03
30
33
36
39
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Corn price vs allocation
r2 = 0.83 pval = 0
y = 0.56 + −0.01107 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
37.5
40.0
42.5
45.0
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FiberCrop production vs allocation
r2 = 0.99 pval = 0
y = 0 + 0.079 * x
Mt (EJ for BioeneryCrop)
0.04
0.03
0.02
0.01
0.1
0.2
0.3
0.4
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FiberCrop price vs production
r2 = 0.99 pval = 0
y = 0.02 + 2.19525 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.01
0.02
0.03
0.04
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 FiberCrop price vs allocation
r2 = 0.97 pval = 0
y = 0.03 + 0.17297 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.06
0.08
0.10
0.1
0.2
0.3
0.4
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FodderGrass production vs allocation
r2 = 0.65 pval = 6e−05
y = 19.8 + 0.708 * x
Mt (EJ for BioeneryCrop)
37
36
35
34
20
21
22
23
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FodderGrass price vs production
r2 = 0.4 pval = 0.00455
y = 0.61 + −0.01592 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
34
35
36
37
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 FodderGrass price vs allocation
r2 = 0.58 pval = 0.00024
y = 0.42 + −0.01682 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
20
21
22
23
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FodderHerb production vs allocation
r2 = 0.54 pval = 0.00052
y = −23.47 + 4.077 * x
Mt (EJ for BioeneryCrop)
130
120
110
100
90
30
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 FodderHerb price vs production
r2 = 0.97 pval = 0
y = −0.09 + 0.00155 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
90
100
110
120
130
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 FodderHerb price vs allocation
r2 = 0.45 pval = 0.00243
y = −0.11 + 0.00584 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
30
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Fruits production vs allocation
r2 = 0 pval = 0.92423
y = 9.42 + 0.092 * x
Mt (EJ for BioeneryCrop)
11
10
9
9.8
10.0
10.2
10.4
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Fruits price vs production
r2 = 0.89 pval = 0
y = 0.01 + 0.01368 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
0.15
0.14
9
10
11
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Fruits price vs allocation
r2 = 0.04 pval = 0.41837
y = 0.27 + −0.01126 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
0.15
0.14
9.8
10.0
10.2
10.4
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Legumes production vs allocation
r2 = 0.01 pval = 0.70818
y = 2.08 + −0.024 * x
Mt (EJ for BioeneryCrop)
2.2
2.0
1.8
1.6
4.5
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Legumes price vs production
r2 = 0.34 pval = 0.01134
y = −0.51 + 0.41388 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
1.6
1.8
2.0
2.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Legumes price vs allocation
r2 = 0.5 pval = 0.00102
y = 0.97 + −0.12769 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
4.5
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 MiscCrop production vs allocation
r2 = 0.9 pval = 0
y = 0.06 + 0.096 * x
Mt (EJ for BioeneryCrop)
0.14
0.13
0.12
0.11
0.5
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 MiscCrop price vs production
r2 = 0.74 pval = 0
y = 1.23 + −3.59039 * x
1975$ per kg (per GJ for BioeneryCrop)
0.85
0.80
0.75
0.11
0.12
0.13
0.14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 MiscCrop price vs allocation
r2 = 0.94 pval = 0
y = 1.06 + −0.40989 * x
1975$ per kg (per GJ for BioeneryCrop)
0.85
0.80
0.75
0.5
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 NutsSeeds production vs allocation
r2 = 0.53 pval = 0.00057
y = 0.04 + 0.096 * x
Mt (EJ for BioeneryCrop)
0.065
0.060
0.055
0.050
0.175
0.200
0.225
0.250
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 NutsSeeds price vs production
r2 = 0.04 pval = 0.45217
y = 5.46 + −54.23293 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0.050
0.055
0.060
0.065
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 NutsSeeds price vs allocation
r2 = 0.63 pval = 9e−05
y = 7.75 + −29.87575 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0
0.175
0.200
0.225
0.250
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 OilCrop production vs allocation
r2 = 0.82 pval = 0
y = 8.25 + 0.121 * x
Mt (EJ for BioeneryCrop)
15
14
13
12
11
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 OilCrop price vs production
r2 = 0.49 pval = 0.00122
y = 0.92 + −0.05543 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
11
12
13
14
15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 OilCrop price vs allocation
r2 = 0.85 pval = 0
y = 0.56 + −0.00976 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 OtherGrain production vs allocation
r2 = 0.53 pval = 0.00065
y = 24.69 + 0.038 * x
Mt (EJ for BioeneryCrop)
27.5
27.0
26.5
26.0
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 OtherGrain price vs production
r2 = 0.58 pval = 0.00022
y = 1.08 + −0.03771 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
26.0
26.5
27.0
27.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 OtherGrain price vs allocation
r2 = 0.83 pval = 0
y = 0.2 + −0.00236 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Rice production vs allocation
r2 = 0.99 pval = 0
y = 0.05 + 0.275 * x
Mt (EJ for BioeneryCrop)
0.12
0.11
0.10
0.09
0.14
0.16
0.18
0.20
0.22
0.24
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Rice price vs production
r2 = 0.82 pval = 0
y = 1.27 + −9.97625 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.09
0.10
0.11
0.12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Rice price vs allocation
r2 = 0.85 pval = 0
y = 0.73 + −2.81107 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.14
0.16
0.18
0.20
0.22
0.24
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 RootTuber production vs allocation
r2 = 0.62 pval = 0.00011
y = 24.74 + −2.015 * x
Mt (EJ for BioeneryCrop)
16
15
14
13
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 RootTuber price vs production
r2 = 0.95 pval = 0
y = −0.06 + 0.00829 * x
1975$ per kg (per GJ for BioeneryCrop)
0.07
0.06
0.05
14
15
16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 RootTuber price vs allocation
r2 = 0.46 pval = 0.00204
y = 0.13 + −0.01479 * x
1975$ per kg (per GJ for BioeneryCrop)
0.07
0.06
0.05
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Soybean production vs allocation
r2 = 1 pval = 0
y = 0.06 + 0.22 * x
Mt (EJ for BioeneryCrop)
0.55
0.50
0.45
0.40
0.35
0.30
1.00
1.25
1.50
1.75
2.00
2.25
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Soybean price vs production
r2 = 0.81 pval = 0
y = 0.52 + −0.83894 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.30
0.35
0.40
0.45
0.50
0.55
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Soybean price vs allocation
r2 = 0.83 pval = 0
y = 0.47 + −0.18657 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
1.00
1.25
1.50
1.75
2.00
2.25
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 SugarCrop production vs allocation
r2 = 0.29 pval = 0.02188
y = 5.16 + 7.158 * x
Mt (EJ for BioeneryCrop)
32
28
24
3.25
3.50
3.75
4.00
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 SugarCrop price vs production
r2 = 0.38 pval = 0.00688
y = −0.01 + 0.00082 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.016
0.012
0.008
24
28
32
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 SugarCrop price vs allocation
r2 = 0.11 pval = 0.18757
y = 0.04 + −0.00583 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.016
0.012
3.25
3.50
3.75
4.00
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Vegetables production vs allocation
r2 = 0.21 pval = 0.05684
y = 31.76 + −2.968 * x
Mt (EJ for BioeneryCrop)
20.0
17.5
15.0
12.5
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Vegetables price vs production
r2 = 0.98 pval = 0
y = 0.08 + 0.00221 * x
1975$ per kg (per GJ for BioeneryCrop)
0.130
0.125
0.120
0.115
12.5
15.0
17.5
20.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Vegetables price vs allocation
r2 = 0.15 pval = 0.11468
y = 0.15 + −0.00558 * x
1975$ per kg (per GJ for BioeneryCrop)
0.130
0.125
0.120
0.115
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−12 Wheat production vs allocation
r2 = 1 pval = 0
y = 10.96 + 0.395 * x
Mt (EJ for BioeneryCrop)
thousand km^2
45
40
35
30
25
40
50
60
70
80
year
2100
2080
2060
2040
2020

EU−12 Wheat price vs production
r2 = 0.81 pval = 0
y = 0.28 + −0.00562 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−12 Wheat price vs allocation
r2 = 0.81 pval = 0
y = 0.22 + −0.00223 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
40
50
60
70
80
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 BioenergyCrop production vs allocation
r2 = 0.94 pval = 0
y = −0.65 + 0.04 * x
Mt (EJ for BioeneryCrop)
30
20
10
0
0
200
400
600
800
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 BioenergyCrop price vs production
r2 = 0.66 pval = 4e−05
y = 1.03 + 0.20534 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
10
20
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 BioenergyCrop price vs allocation
r2 = 0.43 pval = 0.00311
y = 1.7 + 0.00686 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
200
400
600
800
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Corn production vs allocation
r2 = 0.77 pval = 0
y = −84.08 + 4.007 * x
Mt (EJ for BioeneryCrop)
60
50
40
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Corn price vs production
r2 = 0.82 pval = 0
y = −0.13 + 0.00459 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
0.03
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Corn price vs allocation
r2 = 0.38 pval = 0.00655
y = −0.37 + 0.01426 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
0.050
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FiberCrop production vs allocation
r2 = 0.66 pval = 4e−05
y = 3.34 + −0.551 * x
Mt (EJ for BioeneryCrop)
1.9
1.8
1.7
2.7
2.8
2.9
3.0
3.1
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FiberCrop price vs production
r2 = 0.88 pval = 0
y = −1.76 + 1.12404 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
1.65
1.70
1.75
1.80
1.85
1.90
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 FiberCrop price vs allocation
r2 = 0.52 pval = 0.00077
y = 1.9 + −0.58565 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
2.7
2.8
2.9
3.0
3.1
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FodderGrass production vs allocation
r2 = 0.81 pval = 0
y = −595.01 + 8.729 * x
Mt (EJ for BioeneryCrop)
500
400
300
105
110
115
120
125
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FodderGrass price vs production
r2 = 0.91 pval = 0
y = −0.06 + 0.00038 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
250
300
350
400
450
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 FodderGrass price vs allocation
r2 = 0.91 pval = 0
y = −0.33 + 0.00371 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
105
110
115
120
125
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FodderHerb production vs allocation
r2 = 0.95 pval = 0
y = −288.06 + 7.555 * x
Mt (EJ for BioeneryCrop)
700
600
500
400
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 FodderHerb price vs production
r2 = 0.95 pval = 0
y = −0.03 + 0.00019 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
350
450
550
650
750
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 FodderHerb price vs allocation
r2 = 0.98 pval = 0
y = −0.09 + 0.00147 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Fruits production vs allocation
r2 = 0.82 pval = 0
y = 160.99 + −2.743 * x
Mt (EJ for BioeneryCrop)
68
64
60
56
35
36
37
38
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Fruits price vs production
r2 = 0.9 pval = 0
y = −0.07 + 0.00621 * x
1975$ per kg (per GJ for BioeneryCrop)
0.36
0.34
0.32
0.30
0.28
0.26
56
60
64
68
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Fruits price vs allocation
r2 = 0.92 pval = 0
y = 1 + −0.01893 * x
1975$ per kg (per GJ for BioeneryCrop)
0.34
0.32
0.30
0.28
35
36
37
38
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Legumes production vs allocation
r2 = 0.92 pval = 0
y = −4.78 + 0.732 * x
Mt (EJ for BioeneryCrop)
6
5
4
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Legumes price vs production
r2 = 0.98 pval = 0
y = −0.27 + 0.11724 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Legumes price vs allocation
r2 = 0.91 pval = 0
y = −0.84 + 0.08617 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 MiscCrop production vs allocation
r2 = 0.84 pval = 0
y = 0.09 + 0.186 * x
Mt (EJ for BioeneryCrop)
0.20
0.18
0.16
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 MiscCrop price vs production
r2 = 0.64 pval = 7e−05
y = 1.79 + −3.22898 * x
1975$ per kg (per GJ for BioeneryCrop)
1.30
1.25
1.20
1.15
1.10
0.16
0.18
0.20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 MiscCrop price vs allocation
r2 = 0.94 pval = 0
y = 1.59 + −0.79343 * x
1975$ per kg (per GJ for BioeneryCrop)
1.30
1.25
1.20
1.15
1.10
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 NutsSeeds production vs allocation
r2 = 0.12 pval = 0.16163
y = 1.75 + −0.096 * x
Mt (EJ for BioeneryCrop)
1.0
0.9
0.8
8.5
9.0
9.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 NutsSeeds price vs production
r2 = 0.94 pval = 0
y = −10.79 + 15.62717 * x
1975$ per kg (per GJ for BioeneryCrop)
5
4
3
2
1
0.8
0.9
1.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 NutsSeeds price vs allocation
r2 = 0.24 pval = 0.038
y = 22.9 + −2.21276 * x
1975$ per kg (per GJ for BioeneryCrop)
5
4
3
2
1
8.5
9.0
9.5
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 OilCrop production vs allocation
r2 = 0.54 pval = 0.00055
y = 42.91 + −0.122 * x
Mt (EJ for BioeneryCrop)
35
33
31
70
80
90
100
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 OilCrop price vs production
r2 = 0.7 pval = 1e−05
y = −1.71 + 0.06467 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
31
33
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 OilCrop price vs allocation
r2 = 0.92 pval = 0
y = 1.42 + −0.01233 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
70
80
90
100
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 OtherGrain production vs allocation
r2 = 0.25 pval = 0.03415
y = 75.73 + −0.072 * x
Mt (EJ for BioeneryCrop)
70
68
66
100
110
120
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 OtherGrain price vs production
r2 = 0.5 pval = 0.00108
y = −1.12 + 0.01786 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
66
68
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 OtherGrain price vs allocation
r2 = 0.8 pval = 0
y = 0.43 + −0.00328 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.08
0.04
100
110
120
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Rice production vs allocation
r2 = 0.39 pval = 0.00561
y = 2.16 + 0.253 * x
Mt (EJ for BioeneryCrop)
2.9
2.8
2.7
2.6
2.5
2.00
2.25
2.50
2.75
3.00
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Rice price vs production
r2 = 0.17 pval = 0.08873
y = 1.22 + −0.34515 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
2.5
2.6
2.7
2.8
2.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Rice price vs allocation
r2 = 0.87 pval = 0
y = 1.04 + −0.31586 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
2.00
2.25
2.50
2.75
3.00
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 RootTuber production vs allocation
r2 = 0.88 pval = 0
y = 108.3 + −6.579 * x
Mt (EJ for BioeneryCrop)
52
50
48
46
44
8.4
8.8
9.2
9.6
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 RootTuber price vs production
r2 = 0.97 pval = 0
y = −0.17 + 0.00519 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
44
46
48
50
52
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 RootTuber price vs allocation
r2 = 0.85 pval = 0
y = 0.39 + −0.03414 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
8.4
8.8
9.2
9.6
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Soybean production vs allocation
r2 = 0.99 pval = 0
y = 0.42 + 0.347 * x
Mt (EJ for BioeneryCrop)
1.4
1.2
1.0
0.8
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Soybean price vs production
r2 = 0.88 pval = 0
y = 0.73 + −0.4457 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.8
1.0
1.2
1.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Soybean price vs allocation
r2 = 0.84 pval = 0
y = 0.54 + −0.15154 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 SugarCrop production vs allocation
r2 = 0.91 pval = 0
y = −125.06 + 21.484 * x
Mt (EJ for BioeneryCrop)
180
150
120
90
10
11
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 SugarCrop price vs production
r2 = 0.77 pval = 0
y = −0.01 + 0.00015 * x
1975$ per kg (per GJ for BioeneryCrop)
0.025
0.020
0.015
0.010
100
125
150
175
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 SugarCrop price vs allocation
r2 = 0.49 pval = 0.00115
y = −0.02 + 0.00275 * x
1975$ per kg (per GJ for BioeneryCrop)
0.025
0.020
0.015
0.010
10
11
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Vegetables production vs allocation
r2 = 0.7 pval = 2e−05
y = −76.46 + 11.232 * x
Mt (EJ for BioeneryCrop)
100
90
80
70
60
13
14
15
16
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Vegetables price vs production
r2 = 0.98 pval = 0
y = 0.12 + 0.00101 * x
1975$ per kg (per GJ for BioeneryCrop)
0.22
0.21
0.20
0.19
0.18
60
70
80
90
100
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Vegetables price vs allocation
r2 = 0.75 pval = 0
y = 0.04 + 0.01185 * x
1975$ per kg (per GJ for BioeneryCrop)
0.22
0.21
0.20
0.19
0.18
13
14
15
16
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Wheat production vs allocation
r2 = 0.98 pval = 0
y = 32.8 + 0.52 * x
Mt (EJ for BioeneryCrop)
100
90
80
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

EU−15 Wheat price vs production
r2 = 0.69 pval = 2e−05
y = 0.46 + −0.00401 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.05
80
90
100
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

EU−15 Wheat price vs allocation
r2 = 0.81 pval = 0
y = 0.35 + −0.00227 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.05
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern BioenergyCrop production vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.013 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0.0
0.5
1.0
1.5
2.0
2.5
0
50
100
150
year
2100
2080
2060
2040
2020

Europe_Eastern BioenergyCrop price vs production
r2 = 0.48 pval = 0.00137
y = 1.36 + 3.54045 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0.0
0.5
1.0
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern BioenergyCrop price vs allocation
r2 = 0.35 pval = 0.01035
y = 2.21 + 0.04035 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Corn production vs allocation
r2 = 0.28 pval = 0.02334
y = 54.76 + −0.404 * x
Mt (EJ for BioeneryCrop)
40
36
32
42.5
45.0
47.5
50.0
52.5
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Corn price vs production
r2 = 0.55 pval = 4e−04
y = −0.24 + 0.00875 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.09
0.06
0.03
32
36
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Corn price vs allocation
r2 = 0.86 pval = 0
y = 0.46 + −0.00827 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
42.5
45.0
47.5
50.0
52.5
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FiberCrop production vs allocation
r2 = 0.14 pval = 0.13101
y = 0.03 + 0.027 * x
Mt (EJ for BioeneryCrop)
0.048
0.046
0.044
0.400
0.425
0.450
0.475
0.500
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FiberCrop price vs production
r2 = 0.42 pval = 0.00365
y = −1.15 + 30.25104 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
0.044
0.046
0.048
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern FiberCrop price vs allocation
r2 = 0.21 pval = 0.05287
y = 0.93 + −1.59373 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
0.400
0.425
0.450
0.475
0.500
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FodderGrass production vs allocation
r2 = 0.64 pval = 7e−05
y = 1.88 + 0.992 * x
Mt (EJ for BioeneryCrop)
3.9
3.8
3.7
3.6
3.5
1.6
1.7
1.8
1.9
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FodderGrass price vs production
r2 = 0.43 pval = 0.00323
y = 0.25 + −0.06031 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
3.5
3.6
3.7
3.8
3.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern FodderGrass price vs allocation
r2 = 0.77 pval = 0
y = 0.21 + −0.10051 * x
1975$ per kg (per GJ for BioeneryCrop)
0.05
0.04
0.03
0.02
1.6
1.7
1.8
1.9
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FodderHerb production vs allocation
r2 = 0.64 pval = 6e−05
y = 28.16 + 1.614 * x
Mt (EJ for BioeneryCrop)
60
55
50
45
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern FodderHerb price vs production
r2 = 0.12 pval = 0.16278
y = 0.18 + −0.00185 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
45
50
55
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern FodderHerb price vs allocation
r2 = 0.52 pval = 0.00075
y = 0.19 + −0.00782 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Fruits production vs allocation
r2 = 0.96 pval = 0
y = −10.63 + 2.75 * x
Mt (EJ for BioeneryCrop)
6.0
5.5
5.0
4.5
5.50
5.75
6.00
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Fruits price vs production
r2 = 0.98 pval = 0
y = 0.05 + 0.00874 * x
1975$ per kg (per GJ for BioeneryCrop)
0.105
0.100
0.095
0.090
0.085
4.5
5.0
5.5
6.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Fruits price vs allocation
r2 = 0.95 pval = 0
y = −0.04 + 0.02418 * x
1975$ per kg (per GJ for BioeneryCrop)
0.105
0.100
0.095
0.090
0.085
5.50
5.75
6.00
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Legumes production vs allocation
r2 = 0.88 pval = 0
y = 0.49 + 0.147 * x
Mt (EJ for BioeneryCrop)
1.2
1.1
1.0
0.9
3.0
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Legumes price vs production
r2 = 0.4 pval = 0.0047
y = 0.65 + −0.44962 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
0.9
1.0
1.1
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Legumes price vs allocation
r2 = 0.72 pval = 1e−05
y = 0.53 + −0.09415 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
3.0
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern MiscCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.01 + 0.179 * x
Mt (EJ for BioeneryCrop)
0.018
0.016
0.014
0.012
0.010
0.10
0.11
0.12
0.13
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern MiscCrop price vs production
r2 = 0.23 pval = 0.04658
y = 0.3 + 0.68778 * x
1975$ per kg (per GJ for BioeneryCrop)
0.312
0.308
0.304
0.010
0.012
0.014
0.016
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern MiscCrop price vs allocation
r2 = 0.19 pval = 0.07221
y = 0.3 + 0.11346 * x
1975$ per kg (per GJ for BioeneryCrop)
0.312
0.308
0.304
0.10
0.11
0.12
0.13
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern NutsSeeds production vs allocation
r2 = 0.98 pval = 0
y = 0.06 + 0.263 * x
Mt (EJ for BioeneryCrop)
0.14
0.12
0.10
0.20
0.25
0.30
0.35
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern NutsSeeds price vs production
r2 = 0.85 pval = 0
y = 8.95 + −56.13201 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0.10
0.12
0.14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern NutsSeeds price vs allocation
r2 = 0.87 pval = 0
y = 5.85 + −15.1115 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
0.20
0.25
0.30
0.35
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern OilCrop production vs allocation
r2 = 0.95 pval = 0
y = 6.79 + 0.125 * x
Mt (EJ for BioeneryCrop)
16
14
12
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern OilCrop price vs production
r2 = 0.81 pval = 0
y = 0.63 + −0.03442 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
12
14
16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern OilCrop price vs allocation
r2 = 0.92 pval = 0
y = 0.41 + −0.00473 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern OtherGrain production vs allocation
r2 = 0.72 pval = 1e−05
y = 12.68 + 0.051 * x
Mt (EJ for BioeneryCrop)
15.50
15.25
15.00
14.75
14.50
14.25
35
40
45
50
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern OtherGrain price vs production
r2 = 0.48 pval = 0.00137
y = 0.58 + −0.03517 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
14.25
14.50
14.75
15.00
15.25
15.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern OtherGrain price vs allocation
r2 = 0.86 pval = 0
y = 0.17 + −0.00283 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
0.03
35
40
45
50
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Rice production vs allocation
r2 = 0.98 pval = 0
y = 0.03 + 0.369 * x
Mt (EJ for BioeneryCrop)
0.080
0.075
0.070
0.065
0.060
0.09
0.11
0.13
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Rice price vs production
r2 = 0.94 pval = 0
y = 0.59 + −6.38703 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.060
0.065
0.070
0.075
0.080
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Rice price vs allocation
r2 = 0.91 pval = 0
y = 0.4 + −2.34945 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.09
0.11
0.13
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern RootTuber production vs allocation
r2 = 0.81 pval = 0
y = 84.19 + −3.508 * x
Mt (EJ for BioeneryCrop)
35.0
32.5
30.0
27.5
13.5
14.0
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern RootTuber price vs production
r2 = 0.96 pval = 0
y = −0.03 + 0.00214 * x
1975$ per kg (per GJ for BioeneryCrop)
0.050
0.045
0.040
0.035
30
32
34
36
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern RootTuber price vs allocation
r2 = 0.7 pval = 2e−05
y = 0.15 + −0.0071 * x
1975$ per kg (per GJ for BioeneryCrop)
0.050
0.045
0.040
0.035
13.5
14.0
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Soybean production vs allocation
r2 = 0.7 pval = 2e−05
y = 2.75 + 0.094 * x
Mt (EJ for BioeneryCrop)
4.4
4.0
3.6
7.5
10.0
12.5
15.0
17.5
20.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Soybean price vs production
r2 = 0.84 pval = 0
y = 0.65 + −0.12292 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
3.6
4.0
4.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Soybean price vs allocation
r2 = 0.89 pval = 0
y = 0.34 + −0.01422 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
7.5
10.0
12.5
15.0
17.5
20.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern SugarCrop production vs allocation
r2 = 0 pval = 0.82492
y = 29.67 + −0.916 * x
Mt (EJ for BioeneryCrop)
28
26
24
22
20
18
4.2
4.4
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern SugarCrop price vs production
r2 = 0.66 pval = 4e−05
y = −0.01 + 0.00114 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.015
0.010
18
20
22
24
26
28
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern SugarCrop price vs allocation
r2 = 0.36 pval = 0.0087
y = 0.07 + −0.01373 * x
1975$ per kg (per GJ for BioeneryCrop)
0.018
0.015
0.012
0.009
4.2
4.4
4.6
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Vegetables production vs allocation
r2 = 0.56 pval = 0.00037
y = −59.96 + 11.851 * x
Mt (EJ for BioeneryCrop)
20
18
16
14
6.3
6.4
6.5
6.6
6.7
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.03 + 0.00321 * x
1975$ per kg (per GJ for BioeneryCrop)
0.090
0.085
0.080
0.075
0.070
0.065
14
16
18
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Vegetables price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.21 + 0.04419 * x
1975$ per kg (per GJ for BioeneryCrop)
0.090
0.085
0.080
0.075
0.070
6.3
6.4
6.5
6.6
6.7
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Wheat production vs allocation
r2 = 1 pval = 0
y = 7.79 + 0.288 * x
Mt (EJ for BioeneryCrop)
27.5
25.0
22.5
20.0
17.5
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Eastern Wheat price vs production
r2 = 0.82 pval = 0
y = 0.21 + −0.00627 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
17.5
20.0
22.5
25.0
27.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Eastern Wheat price vs allocation
r2 = 0.85 pval = 0
y = 0.16 + −0.00184 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
40
50
60
70
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.07 + 0.018 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
1
2
3
0
50
100
150
year
2100
2080
2060
2040
2020

Europe_Non_EU BioenergyCrop price vs production
r2 = 0.65 pval = 5e−05
y = 0.55 + 2.67137 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU BioenergyCrop price vs allocation
r2 = 0.49 pval = 0.00117
y = 1.11 + 0.04357 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Corn production vs allocation
r2 = 0 pval = 0.95091
y = 17.23 + 0.005 * x
Mt (EJ for BioeneryCrop)
18
17
16
18
20
22
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Corn price vs production
r2 = 0 pval = 0.95805
y = 0.11 + 0.00091 * x
1975$ per kg (per GJ for BioeneryCrop)
0.175
0.150
0.125
0.100
0.075
0.050
16
17
18
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Corn price vs allocation
r2 = 0.97 pval = 0
y = 0.5 + −0.02011 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
18
20
22
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FiberCrop production vs allocation
r2 = 0.94 pval = 0
y = 0.66 + 0.39 * x
Mt (EJ for BioeneryCrop)
2.25
2.00
1.75
1.50
2.5
3.0
3.5
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FiberCrop price vs production
r2 = 0.98 pval = 0
y = 3.38 + −1.30156 * x
1975$ per kg (per GJ for BioeneryCrop)
1.50
1.25
1.00
0.75
0.50
0.25
1.6
1.8
2.0
2.2
2.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU FiberCrop price vs allocation
r2 = 0.92 pval = 0
y = 2.52 + −0.50862 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
2.5
3.0
3.5
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderGrass production vs allocation
r2 = 1 pval = 0
y = −0.01 + 0.494 * x
Mt (EJ for BioeneryCrop)
0.08
0.06
0.04
0.08
0.12
0.16
0.20
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderGrass price vs production
r2 = 0.84 pval = 0
y = −0.08 + 2.98253 * x
1975$ per kg (per GJ for BioeneryCrop)
0.00
0.05
0.10
0.15
0.20
0.04
0.06
0.08
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderGrass price vs allocation
r2 = 0.86 pval = 0
y = −0.12 + 1.48436 * x
1975$ per kg (per GJ for BioeneryCrop)
0.00
0.05
0.10
0.15
0.20
0.08
0.12
0.16
0.20
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderHerb production vs allocation
r2 = 0.69 pval = 2e−05
y = 17.09 + 1.225 * x
Mt (EJ for BioeneryCrop)
35.0
32.5
30.0
11
12
13
14
15
16
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderHerb price vs production
r2 = 0 pval = 0.90315
y = 0.09 + −0.00031 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
30.0
32.5
35.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU FodderHerb price vs allocation
r2 = 0.29 pval = 0.02082
y = 0.19 + −0.00793 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
11
12
13
14
15
16
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Fruits production vs allocation
r2 = 0.57 pval = 0.00027
y = 46.72 + −1.508 * x
Mt (EJ for BioeneryCrop)
24
22
20
15.0
15.5
16.0
16.5
17.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Fruits price vs production
r2 = 0.72 pval = 1e−05
y = −0.05 + 0.0099 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
0.14
20
22
24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Fruits price vs allocation
r2 = 0.83 pval = 0
y = 0.51 + −0.02119 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.19
0.18
0.17
0.16
0.15
15.0
15.5
16.0
16.5
17.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Legumes production vs allocation
r2 = 0.1 pval = 0.2069
y = 1.76 + −0.03 * x
Mt (EJ for BioeneryCrop)
1.7
1.6
1.5
1.4
1.3
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Legumes price vs production
r2 = 0.36 pval = 0.00852
y = −2.21 + 1.90344 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
1.3
1.4
1.5
1.6
1.7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Legumes price vs allocation
r2 = 0.76 pval = 0
y = 2.57 + −0.26266 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.2
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU MiscCrop production vs allocation
r2 = 0.88 pval = 0
y = 0.21 + 0.177 * x
Mt (EJ for BioeneryCrop)
0.75
0.65
0.55
0.45
1.0
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU MiscCrop price vs production
r2 = 0.85 pval = 0
y = 2.17 + −0.96637 * x
1975$ per kg (per GJ for BioeneryCrop)
1.8
1.7
1.6
1.5
0.45
0.55
0.65
0.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU MiscCrop price vs allocation
r2 = 0.99 pval = 0
y = 2.02 + −0.19693 * x
1975$ per kg (per GJ for BioeneryCrop)
1.8
1.7
1.6
1.5
1.0
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU NutsSeeds production vs allocation
r2 = 0.89 pval = 0
y = 0.82 + 0.057 * x
Mt (EJ for BioeneryCrop)
1.30
1.25
1.20
1.15
1.10
5
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU NutsSeeds price vs production
r2 = 0.75 pval = 0
y = 34.92 + −26.57712 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
1.10
1.15
1.20
1.25
1.30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU NutsSeeds price vs allocation
r2 = 0.9 pval = 0
y = 14.54 + −1.74432 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
5
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU OilCrop production vs allocation
r2 = 0.97 pval = 0
y = 2.3 + 0.126 * x
Mt (EJ for BioeneryCrop)
4.5
4.0
3.5
9
12
15
18
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU OilCrop price vs production
r2 = 0.86 pval = 0
y = 2.1 + −0.38895 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU OilCrop price vs allocation
r2 = 0.91 pval = 0
y = 1.24 + −0.05146 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
9
12
15
18
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU OtherGrain production vs allocation
r2 = 0.93 pval = 0
y = 4.75 + 0.157 * x
Mt (EJ for BioeneryCrop)
10.0
9.5
9.0
8.5
8.0
7.5
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU OtherGrain price vs production
r2 = 0.96 pval = 0
y = 0.64 + −0.05953 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
7.5
8.0
8.5
9.0
9.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU OtherGrain price vs allocation
r2 = 0.93 pval = 0
y = 0.36 + −0.00951 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
20
25
30
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Rice production vs allocation
r2 = 0.93 pval = 0
y = 0.44 + 0.474 * x
Mt (EJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.8
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Rice price vs production
r2 = 0.94 pval = 0
y = 1.76 + −1.66478 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.7
0.8
0.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Rice price vs allocation
r2 = 0.94 pval = 0
y = 1.04 + −0.81741 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.6
0.8
1.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU RootTuber production vs allocation
r2 = 0.85 pval = 0
y = 18.95 + −5.14 * x
Mt (EJ for BioeneryCrop)
9
8
7
6
2.0
2.1
2.2
2.3
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU RootTuber price vs production
r2 = 0.82 pval = 0
y = −0.04 + 0.01925 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
0.10
0.09
0.08
7
8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU RootTuber price vs allocation
r2 = 0.64 pval = 7e−05
y = 0.31 + −0.0948 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
0.10
0.09
0.08
2.0
2.1
2.2
2.3
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Soybean production vs allocation
r2 = 0.84 pval = 0
y = 0.52 + 0.141 * x
Mt (EJ for BioeneryCrop)
0.9
0.8
0.7
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Soybean price vs production
r2 = 0.92 pval = 0
y = 0.84 + −0.80236 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
0.65
0.70
0.75
0.80
0.85
0.90
0.95
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Soybean price vs allocation
r2 = 0.86 pval = 0
y = 0.43 + −0.11931 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU SugarCrop production vs allocation
r2 = 0.05 pval = 0.37086
y = 41.75 + −3.002 * x
Mt (EJ for BioeneryCrop)
33
30
27
24
3.5
3.7
3.9
4.1
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU SugarCrop price vs production
r2 = 0.47 pval = 0.00167
y = −0.04 + 0.00221 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.03
0.02
0.01
24
27
30
33
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU SugarCrop price vs allocation
r2 = 0.71 pval = 1e−05
y = 0.16 + −0.03627 * x
1975$ per kg (per GJ for BioeneryCrop)
0.040
0.035
0.030
0.025
0.020
0.015
3.5
3.7
3.9
4.1
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Vegetables production vs allocation
r2 = 0.97 pval = 0
y = −60.51 + 7.996 * x
Mt (EJ for BioeneryCrop)
60
50
40
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Vegetables price vs production
r2 = 0.92 pval = 0
y = 0.03 + 0.00194 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
0.10
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Vegetables price vs allocation
r2 = 0.95 pval = 0
y = −0.09 + 0.01601 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
0.10
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Wheat production vs allocation
r2 = 0.94 pval = 0
y = 9.15 + 0.225 * x
Mt (EJ for BioeneryCrop)
27
24
21
18
40
50
60
70
80
thousand km^2
year
2100
2080
2060
2040
2020

Europe_Non_EU Wheat price vs production
r2 = 0.92 pval = 0
y = 0.54 + −0.01709 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
20.0
22.5
25.0
27.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Europe_Non_EU Wheat price vs allocation
r2 = 0.9 pval = 0
y = 0.39 + −0.00394 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
40
50
60
70
80
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association BioenergyCrop production vs allocation
r2 = 0.95 pval = 0
y = −0.11 + 0.046 * x
Mt (EJ for BioeneryCrop)
0
1
2
3
0
20
40
60
80
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association BioenergyCrop price vs production
r2 = 0.49 pval = 0.00125
y = 1.54 + 0.94379 * x
1975$ per kg (per GJ for BioeneryCrop)
Mt (EJ for BioeneryCrop)
0
1
2
3
1
2
3
4
5
6
year
2100
2080
2060
2040
2020

European Free Trade Association BioenergyCrop price vs allocation
r2 = 0.27 pval = 0.02574
y = 2.07 + 0.03334 * x
1975$ per kg (per GJ for BioeneryCrop)
6
5
4
3
2
1
0
20
40
60
80
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Corn production vs allocation
r2 = 0.42 pval = 0.00369
y = −0.23 + 3.201 * x
Mt (EJ for BioeneryCrop)
0.250
0.225
0.200
0.175
0.150
0.125
0.130
0.135
0.140
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Corn price vs production
r2 = 0.79 pval = 0
y = −0.23 + 2.04884 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.150
0.175
0.200
0.225
0.250
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Corn price vs allocation
r2 = 0.06 pval = 0.34717
y = −0.17 + 2.69051 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.125
0.130
0.135
0.140
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association FodderGrass production vs allocation
r2 = 0.66 pval = 4e−05
y = −5 + 3.826 * x
Mt (EJ for BioeneryCrop)
5.0
4.5
4.0
3.5
3.0
2.2
2.3
2.4
2.5
2.6
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association FodderGrass price vs production
r2 = 0.83 pval = 0
y = −0.43 + 0.15114 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
3.0
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association FodderGrass price vs allocation
r2 = 0.58 pval = 0.00022
y = −1.22 + 0.59416 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
2.2
2.3
2.4
2.5
2.6
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association FodderHerb production vs allocation
r2 = 0.98 pval = 0
y = −2.43 + 11.023 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0.5
0.6
0.7
0.8
3
4
5
6
7
year
2100
2080
2060
2040
2020

European Free Trade Association FodderHerb price vs production
r2 = 0.81 pval = 0
y = −0.01 + 0.01686 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
3
4
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association FodderHerb price vs allocation
r2 = 0.77 pval = 0
y = −0.05 + 0.18315 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.5
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Fruits production vs allocation
r2 = 0.36 pval = 0.00899
y = 1.59 + −4.435 * x
Mt (EJ for BioeneryCrop)
0.55
0.50
0.45
0.235
0.240
0.245
0.250
0.255
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Fruits price vs production
r2 = 0.85 pval = 0
y = −0.07 + 1.53294 * x
1975$ per kg (per GJ for BioeneryCrop)
0.80
0.75
0.70
0.65
0.60
0.45
0.50
0.55
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Fruits price vs allocation
r2 = 0.66 pval = 4e−05
y = 3.14 + −10.04516 * x
1975$ per kg (per GJ for BioeneryCrop)
0.80
0.75
0.70
0.65
0.60
0.235
0.240
0.245
0.250
0.255
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Legumes production vs allocation
r2 = 0.01 pval = 0.70212
y = 0.02 + 0.063 * x
Mt (EJ for BioeneryCrop)
0.026
0.024
0.022
0.020
0.055
0.060
0.065
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Legumes price vs production
r2 = 0.68 pval = 3e−05
y = −1.26 + 79.56096 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.020
0.022
0.024
0.026
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Legumes price vs allocation
r2 = 0.2 pval = 0.06388
y = 2.13 + −28.16594 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.055
0.060
0.065
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association MiscCrop production vs allocation
r2 = 0.84 pval = 0
y = 0 + 0.151 * x
Mt (EJ for BioeneryCrop)
0.0012
0.0011
0.0010
0.0009
0.0008
0.0025
0.0030
0.0035
0.0040
0.0045
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association MiscCrop price vs production
r2 = 0.71 pval = 1e−05
y = 7.31 + −2076.59032 * x
1975$ per kg (per GJ for BioeneryCrop)
5.4
5.1
4.8
0.0008
0.0009
0.0010
0.0011
0.0012
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association MiscCrop price vs allocation
r2 = 0.97 pval = 0
y = 6.5 + −401.91555 * x
1975$ per kg (per GJ for BioeneryCrop)
5.4
5.1
4.8
0.0025
0.0030
0.0035
0.0040
0.0045
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association NutsSeeds production vs allocation
r2 = 0.19 pval = 0.06947
y = 0 + −0.098 * x
Mt (EJ for BioeneryCrop)
0.00350
0.00325
0.00300
0.00275
0.015
0.016
0.017
0.018
0.019
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association NutsSeeds price vs production
r2 = 0.67 pval = 3e−05
y = −14.56 + 5786.24024 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0.00275
0.00300
0.00325
0.00350
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association NutsSeeds price vs allocation
r2 = 0.69 pval = 2e−05
y = 24.62 + −1307.26577 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0
0.015
0.016
0.017
0.018
0.019
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association OilCrop production vs allocation
r2 = 0.15 pval = 0.11302
y = 0.1 + 0.101 * x
Mt (EJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
0.10
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association OilCrop price vs production
r2 = 0.06 pval = 0.32187
y = 0.98 + −4.03923 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.10
0.11
0.12
0.13
0.14
0.15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association OilCrop price vs allocation
r2 = 0.94 pval = 0
y = 1.37 + −4.13842 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association OtherGrain production vs allocation
r2 = 0.44 pval = 0.0025
y = 0.93 + 0.104 * x
Mt (EJ for BioeneryCrop)
1.20
1.15
1.10
1.05
1.75
2.00
2.25
2.50
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association OtherGrain price vs production
r2 = 0.26 pval = 0.02925
y = 1.49 + −1.13026 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.05
1.10
1.15
1.20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association OtherGrain price vs allocation
r2 = 0.81 pval = 0
y = 0.8 + −0.30852 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
1.75
2.00
2.25
2.50
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association RootTuber production vs allocation
r2 = 0.79 pval = 0
y = −1.91 + 13.418 * x
Mt (EJ for BioeneryCrop)
1.4
1.2
1.0
0.8
0.21
0.22
0.23
0.24
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association RootTuber price vs production
r2 = 0.98 pval = 0
y = 0.02 + 0.12135 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
0.14
0.12
0.8
1.0
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association RootTuber price vs allocation
r2 = 0.88 pval = 0
y = −0.23 + 1.73215 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
0.14
0.12
0.21
0.22
0.23
0.24
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Soybean production vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.259 * x
Mt (EJ for BioeneryCrop)
0.0045
0.0040
0.0035
0.0030
0.0025
0.0075
0.0100
0.0125
0.0150
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Soybean price vs production
r2 = 0.93 pval = 0
y = 1.32 + −239.66184 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.0025
0.0030
0.0035
0.0040
0.0045
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Soybean price vs allocation
r2 = 0.93 pval = 0
y = 1.09 + −62.30371 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.0075
0.0100
0.0125
0.0150
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association SugarCrop production vs allocation
r2 = 0.99 pval = 0
y = −1.27 + 15.536 * x
Mt (EJ for BioeneryCrop)
3.5
3.0
2.5
2.0
1.5
0.20
0.24
0.28
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association SugarCrop price vs production
r2 = 0.9 pval = 0
y = −0.01 + 0.01596 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.03
0.02
1.5
2.0
2.5
3.0
3.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association SugarCrop price vs allocation
r2 = 0.84 pval = 0
y = −0.03 + 0.24094 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.03
0.02
0.20
0.24
0.28
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Vegetables production vs allocation
r2 = 0.23 pval = 0.04624
y = 2.05 + −6.411 * x
Mt (EJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.18
0.19
0.20
0.21
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.24 + 0.33846 * x
1975$ per kg (per GJ for BioeneryCrop)
0.575
0.550
0.525
0.500
0.475
0.450
0.6
0.7
0.8
0.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Vegetables price vs allocation
r2 = 0.15 pval = 0.11489
y = 0.87 + −1.79929 * x
1975$ per kg (per GJ for BioeneryCrop)
0.575
0.550
0.525
0.500
0.475
0.18
0.19
0.20
0.21
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Wheat production vs allocation
r2 = 0.93 pval = 0
y = 0.39 + 0.344 * x
Mt (EJ for BioeneryCrop)
0.8
0.7
0.7
0.9
1.1
1.3
thousand km^2
year
2100
2080
2060
2040
2020

European Free Trade Association Wheat price vs production
r2 = 0.83 pval = 0
y = 0.96 + −0.9872 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.7
0.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

European Free Trade Association Wheat price vs allocation
r2 = 0.89 pval = 0
y = 0.6 + −0.36272 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
0.7
0.9
1.1
1.3
thousand km^2
year
2100
2080
2060
2040
2020

India BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.13 + 0.016 * x
Mt (EJ for BioeneryCrop)
0
2
4
6
0
100
200
300
400
thousand km^2
year
2100
2080
2060
2040
2020

India BioenergyCrop price vs production
r2 = 0.7 pval = 2e−05
y = 0.71 + 1.54936 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
2
4
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India BioenergyCrop price vs allocation
r2 = 0.55 pval = 4e−04
y = 1.25 + 0.02189 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
100
200
300
400
thousand km^2
year
2100
2080
2060
2040
2020

India Corn production vs allocation
r2 = 0.84 pval = 0
y = 2.79 + 0.566 * x
Mt (EJ for BioeneryCrop)
80
60
40
75
100
125
150
thousand km^2
year
2100
2080
2060
2040
2020

India Corn price vs production
r2 = 0.03 pval = 0.45895
y = 0.08 + 0.00044 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
40
60
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Corn price vs allocation
r2 = 0.05 pval = 0.39433
y = 0.14 + −0.00031 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
75
100
125
150
thousand km^2
year
2100
2080
2060
2040
2020

India FiberCrop production vs allocation
r2 = 0.65 pval = 6e−05
y = −5.07 + 0.309 * x
Mt (EJ for BioeneryCrop)
30.0
27.5
25.0
22.5
20.0
90
95
100
105
110
thousand km^2
year
2100
2080
2060
2040
2020

India FiberCrop price vs production
r2 = 0.68 pval = 3e−05
y = −0.7 + 0.03825 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
20.0
22.5
25.0
27.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India FiberCrop price vs allocation
r2 = 0.97 pval = 0
y = −1.49 + 0.01756 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
90
95
100
105
110
thousand km^2
year
2100
2080
2060
2040
2020

India FodderGrass production vs allocation
r2 = 0.99 pval = 0
y = −61.96 + 2.373 * x
Mt (EJ for BioeneryCrop)
250
200
150
90
110
130
thousand km^2
year
2100
2080
2060
2040
2020

India FodderGrass price vs production
r2 = 0.92 pval = 0
y = −0.04 + 0.00044 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
0.02
150
200
250
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India FodderGrass price vs allocation
r2 = 0.94 pval = 0
y = −0.07 + 0.00105 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
0.02
90
110
130
thousand km^2
year
2100
2080
2060
2040
2020

India Fruits production vs allocation
r2 = 0.98 pval = 0
y = −177.37 + 3.817 * x
Mt (EJ for BioeneryCrop)
200
150
100
70
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

India Fruits price vs production
r2 = 0.9 pval = 0
y = 0.08 + 0.00027 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
120
160
200
240
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Fruits price vs allocation
r2 = 0.85 pval = 0
y = 0.03 + 0.001 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
0.10
70
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

India Legumes production vs allocation
r2 = 0.88 pval = 0
y = −81.35 + 0.492 * x
Mt (EJ for BioeneryCrop)
50
40
30
20
200
220
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

India Legumes price vs production
r2 = 0.95 pval = 0
y = −0.08 + 0.00798 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
20
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Legumes price vs allocation
r2 = 0.85 pval = 0
y = −0.73 + 0.00395 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
200
220
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

India MiscCrop production vs allocation
r2 = 0.91 pval = 0
y = 7.44 + 0.018 * x
Mt (EJ for BioeneryCrop)
12
10
8
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

India MiscCrop price vs production
r2 = 0.9 pval = 0
y = 0.24 + 0.00434 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.29
0.28
0.27
8
10
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India MiscCrop price vs allocation
r2 = 0.84 pval = 0
y = 0.28 + 8e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.29
0.28
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

India NutsSeeds production vs allocation
r2 = 0.01 pval = 0.7786
y = 6.79 + 0.128 * x
Mt (EJ for BioeneryCrop)
15
13
11
9
56
58
60
thousand km^2
year
2100
2080
2060
2040
2020

India NutsSeeds price vs production
r2 = 0.91 pval = 0
y = −1.26 + 0.13104 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.00
9
11
13
15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India NutsSeeds price vs allocation
r2 = 0 pval = 0.91902
y = 0.97 + −0.00638 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
56
58
60
thousand km^2
year
2100
2080
2060
2040
2020

India OilCrop production vs allocation
r2 = 0.87 pval = 0
y = −121.71 + 1.61 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
20
90
95
100
thousand km^2
year
2100
2080
2060
2040
2020

India OilCrop price vs production
r2 = 0.92 pval = 0
y = −0.23 + 0.01229 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.1
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India OilCrop price vs allocation
r2 = 0.67 pval = 3e−05
y = −1.57 + 0.01812 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.1
0.2
90
95
100
thousand km^2
year
2100
2080
2060
2040
2020

India OtherGrain production vs allocation
r2 = 0.12 pval = 0.1533
y = 47.02 + −0.233 * x
Mt (EJ for BioeneryCrop)
24
22
20
18
100
104
108
112
thousand km^2
year
2100
2080
2060
2040
2020

India OtherGrain price vs production
r2 = 0.96 pval = 0
y = −0.2 + 0.01413 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
0.050
18
20
22
24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India OtherGrain price vs allocation
r2 = 0.03 pval = 0.49127
y = 0.29 + −0.00166 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
0.06
100
104
108
112
thousand km^2
year
2100
2080
2060
2040
2020

India Rice production vs allocation
r2 = 0.68 pval = 2e−05
y = 314.06 + −0.49 * x
Mt (EJ for BioeneryCrop)
200
190
180
170
160
220
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

India Rice price vs production
r2 = 0.58 pval = 0.00022
y = −0.81 + 0.00537 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
160
170
180
190
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Rice price vs allocation
r2 = 0.86 pval = 0
y = 1.18 + −0.00387 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
220
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

India RootTuber production vs allocation
r2 = 0.63 pval = 9e−05
y = 179.19 + −8.707 * x
Mt (EJ for BioeneryCrop)
70
60
12
13
14
thousand km^2
year
2100
2080
2060
2040
2020

India RootTuber price vs production
r2 = 0.95 pval = 0
y = 0 + 0.00044 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0375
0.0350
0.0325
0.0300
0.0275
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India RootTuber price vs allocation
r2 = 0.52 pval = 0.00079
y = 0.08 + −0.00358 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0375
0.0350
0.0325
0.0300
0.0275
12
13
14
thousand km^2
year
2100
2080
2060
2040
2020

India Soybean production vs allocation
r2 = 0.65 pval = 5e−05
y = 19.88 + −0.099 * x
Mt (EJ for BioeneryCrop)
15
14
13
12
55
60
65
70
thousand km^2
year
2100
2080
2060
2040
2020

India Soybean price vs production
r2 = 0.7 pval = 1e−05
y = −0.72 + 0.06377 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.1
0.2
12
13
14
15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Soybean price vs allocation
r2 = 0.79 pval = 0
y = 0.67 + −0.00827 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
55
60
65
70
thousand km^2
year
2100
2080
2060
2040
2020

India SugarCrop production vs allocation
r2 = 0.88 pval = 0
y = −2600.02 + 95.596 * x
Mt (EJ for BioeneryCrop)
800
700
600
500
400
32
33
34
35
thousand km^2
year
2100
2080
2060
2040
2020

India SugarCrop price vs production
r2 = 0.85 pval = 0
y = −0.01 + 3e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.015
0.010
0.005
400
500
600
700
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India SugarCrop price vs allocation
r2 = 0.89 pval = 0
y = −0.1 + 0.00324 * x
1975$ per kg (per GJ for BioeneryCrop)
0.016
0.012
0.008
0.004
32
33
34
35
thousand km^2
year
2100
2080
2060
2040
2020

India Vegetables production vs allocation
r2 = 0.99 pval = 0
y = −179.02 + 4.828 * x
Mt (EJ for BioeneryCrop)
350
300
250
200
150
60
70
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

India Vegetables price vs production
r2 = 0.9 pval = 0
y = 0.09 + 0.00027 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.16
0.14
0.12
150
200
250
300
350
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Vegetables price vs allocation
r2 = 0.88 pval = 0
y = 0.04 + 0.00131 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.16
0.14
0.12
60
70
80
90
100
110
thousand km^2
year
2100
2080
2060
2040
2020

India Wheat production vs allocation
r2 = 0.45 pval = 0.00246
y = 126.39 + −0.16 * x
Mt (EJ for BioeneryCrop)
110
105
100
95
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

India Wheat price vs production
r2 = 0.23 pval = 0.04204
y = −0.56 + 0.00674 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
95
100
105
110
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

India Wheat price vs allocation
r2 = 0.87 pval = 0
y = 0.57 + −0.00312 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
120
140
160
180
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.34 + 0.045 * x
Mt (EJ for BioeneryCrop)
0
2
4
6
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia BioenergyCrop price vs production
r2 = 0.94 pval = 0
y = 0.53 + 0.90722 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
2
4
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia BioenergyCrop price vs allocation
r2 = 0.9 pval = 0
y = 0.33 + 0.03957 * x
1975$ per kg (per GJ for BioeneryCrop)
thousand km^2
0
2
4
6
8
0
50
100
150
year
2100
2080
2060
2040
2020

Indonesia Corn production vs allocation
r2 = 0.05 pval = 0.35698
y = 22.64 + 0.138 * x
Mt (EJ for BioeneryCrop)
26
25
24
23
22
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Corn price vs production
r2 = 0 pval = 0.80293
y = 0.24 + −0.00303 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.08
22
23
24
25
26
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Corn price vs allocation
r2 = 0.94 pval = 0
y = 0.63 + −0.02784 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.08
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia FiberCrop production vs allocation
r2 = 0.82 pval = 0
y = −0.01 + 0.48 * x
Mt (EJ for BioeneryCrop)
0.012
0.010
0.008
0.006
0.040
0.045
0.050
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia FiberCrop price vs production
r2 = 0.94 pval = 0
y = −0.08 + 40.78018 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.006
0.008
0.010
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia FiberCrop price vs allocation
r2 = 0.89 pval = 0
y = −0.7 + 21.06266 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.040
0.045
0.050
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Fruits production vs allocation
r2 = 0.43 pval = 0.00309
y = −21.88 + 6.285 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
7.0
7.5
8.0
8.5
9.0
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Fruits price vs production
r2 = 0.78 pval = 0
y = 0.06 + 0.00309 * x
0.19
0.17
0.15
0.13
1975$ per kg (per GJ for BioeneryCrop)
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Fruits price vs allocation
r2 = 0.08 pval = 0.26328
y = 0.08 + 0.00934 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.17
0.16
0.15
0.14
0.13
7.0
7.5
8.0
8.5
9.0
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Legumes production vs allocation
r2 = 0.21 pval = 0.05624
y = 0.85 + −0.462 * x
Mt (EJ for BioeneryCrop)
0.45
0.40
0.35
0.30
0.25
0.95
1.00
1.05
1.10
1.15
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Legumes price vs production
r2 = 0.87 pval = 0
y = −0.67 + 2.98295 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.25
0.30
0.35
0.40
0.45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Legumes price vs allocation
r2 = 0.38 pval = 0.00672
y = 2.49 + −1.98206 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.95
1.00
1.05
1.10
1.15
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia MiscCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.18 + 0.076 * x
Mt (EJ for BioeneryCrop)
thousand km^2
5
10
15
20
100
150
200
250
year
2100
2080
2060
2040
2020

Indonesia MiscCrop price vs production
r2 = 0.97 pval = 0
y = 0.4 + −0.00713 * x
1975$ per kg (per GJ for BioeneryCrop)
0.36
0.33
0.30
0.27
0.24
5
10
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia MiscCrop price vs allocation
r2 = 0.99 pval = 0
y = 0.4 + −0.00055 * x
1975$ per kg (per GJ for BioeneryCrop)
0.36
0.33
0.30
0.27
100
150
200
250
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia NutsSeeds production vs allocation
r2 = 0.76 pval = 0
y = −0.16 + 0.154 * x
Mt (EJ for BioeneryCrop)
1.8
1.7
1.6
1.5
1.4
11.0
11.5
12.0
12.5
13.0
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia NutsSeeds price vs production
r2 = 0.17 pval = 0.08999
y = −3.91 + 3.18054 * x
1975$ per kg (per GJ for BioeneryCrop)
2.5
2.0
1.5
1.0
0.5
1.4
1.5
1.6
1.7
1.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia NutsSeeds price vs allocation
r2 = 0 pval = 0.9648
y = 1.7 + −0.01531 * x
1975$ per kg (per GJ for BioeneryCrop)
2.5
2.0
1.5
1.0
0.5
11.0
11.5
12.0
12.5
13.0
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia OilCrop production vs allocation
r2 = 0.02 pval = 0.53718
y = 18.58 + 0.024 * x
Mt (EJ for BioeneryCrop)
20.0
19.5
19.0
18.5
18.0
21
24
27
30
33
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia OilCrop price vs production
r2 = 0 pval = 0.79937
y = 0.19 + −0.00421 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
18.0
18.5
19.0
19.5
20.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia OilCrop price vs allocation
r2 = 0.96 pval = 0
y = 0.35 + −0.00967 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
21
24
27
30
33
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia OilPalm production vs allocation
r2 = 0.86 pval = 0
y = −144.67 + 3.39 * x
Mt (EJ for BioeneryCrop)
1000
750
500
250
150
200
250
300
350
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia OilPalm price vs production
r2 = 0.32 pval = 0.01386
y = 0.02 + 5e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
0.03
200
400
600
800
1000
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia OilPalm price vs allocation
r2 = 0.05 pval = 0.356
y = 0.04 + 7e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
0.03
150
200
250
300
350
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Rice production vs allocation
r2 = 0.6 pval = 0.00015
y = 39.46 + 0.521 * x
Mt (EJ for BioeneryCrop)
65
60
55
50
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Rice price vs production
r2 = 0.62 pval = 1e−04
y = 1.75 + −0.0236 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
50
55
60
65
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Rice price vs allocation
r2 = 0.94 pval = 0
y = 1.08 + −0.01945 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
30
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia RootTuber production vs allocation
r2 = 0 pval = 0.95474
y = 27.4 + 0.03 * x
Mt (EJ for BioeneryCrop)
28
27
26
3.6
4.0
4.4
4.8
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia RootTuber price vs production
r2 = 0.01 pval = 0.71965
y = 0.06 + 0.00077 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
26
27
28
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia RootTuber price vs allocation
r2 = 0.88 pval = 0
y = 0.15 + −0.01644 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
3.6
4.0
4.4
4.8
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Soybean production vs allocation
r2 = 0.43 pval = 0.00318
y = 0.69 + 0.134 * x
Mt (EJ for BioeneryCrop)
1.1
1.0
0.9
0.8
1.2
1.5
1.8
2.1
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Soybean price vs production
r2 = 0.43 pval = 0.00308
y = 1.3 + −0.99782 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.8
0.9
1.0
1.1
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Soybean price vs allocation
r2 = 0.93 pval = 0
y = 0.89 + −0.30132 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
1.2
1.5
1.8
2.1
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia SugarCrop production vs allocation
r2 = 0.89 pval = 0
y = 21.7 + 6.635 * x
Mt (EJ for BioeneryCrop)
60
50
40
30
3
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia SugarCrop price vs production
r2 = 0.73 pval = 1e−05
y = −0.01 + 0.00057 * x
1975$ per kg (per GJ for BioeneryCrop)
0.03
0.02
0.01
30
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia SugarCrop price vs allocation
r2 = 0.95 pval = 0
y = 0 + 0.00456 * x
1975$ per kg (per GJ for BioeneryCrop)
0.030
0.025
0.020
0.015
0.010
3
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Vegetables production vs allocation
r2 = 0.75 pval = 0
y = −29.11 + 8.025 * x
Mt (EJ for BioeneryCrop)
20
15
10
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Indonesia Vegetables price vs production
r2 = 0.76 pval = 0
y = 0.12 + 0.00705 * x
1975$ per kg (per GJ for BioeneryCrop)
0.300
0.275
0.250
0.225
0.200
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Indonesia Vegetables price vs allocation
r2 = 0.31 pval = 0.01742
y = 0.01 + 0.04141 * x
1975$ per kg (per GJ for BioeneryCrop)
0.31
0.29
0.27
0.25
0.23
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

Japan BioenergyCrop production vs allocation
r2 = 0.95 pval = 0
y = −0.08 + 0.029 * x
Mt (EJ for BioeneryCrop)
3
2
1
0
0
30
60
90
thousand km^2
year
2100
2080
2060
2040
2020

Japan BioenergyCrop price vs production
r2 = 0.78 pval = 0
y = 1.47 + 1.83313 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan BioenergyCrop price vs allocation
r2 = 0.57 pval = 0.00027
y = 1.84 + 0.04624 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0
30
60
90
thousand km^2
year
2100
2080
2060
2040
2020

Japan Corn production vs allocation
r2 = 0.99 pval = 0
y = 0 + 0.606 * x
Mt (EJ for BioeneryCrop)
0.00040
0.00035
0.00030
0.00025
0.00020
7e−04
8e−04
9e−04
1e−03
thousand km^2
year
2100
2080
2060
2040
2020

Japan Corn price vs production
r2 = 0.94 pval = 0
y = −0.16 + 2275.58426 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.00020
0.00025
0.00030
0.00035
0.00040
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Corn price vs allocation
r2 = 0.89 pval = 0
y = −0.63 + 1350.97104 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
7e−04
8e−04
9e−04
1e−03
thousand km^2
year
2100
2080
2060
2040
2020

Japan FiberCrop production vs allocation
r2 = 1 pval = 0
y = 0 + 0.057 * x
Mt (EJ for BioeneryCrop)
5e−05
4e−05
3e−05
2e−05
5e−04
6e−04
7e−04
8e−04
9e−04
1e−03
thousand km^2
year
2100
2080
2060
2040
2020

Japan FiberCrop price vs production
r2 = 0.99 pval = 0
y = −0.14 + 27452.32162 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.4
2e−05
3e−05
4e−05
5e−05
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan FiberCrop price vs allocation
r2 = 0.98 pval = 0
y = −0.35 + 1571.72748 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.4
5e−04
6e−04
7e−04
8e−04
9e−04
1e−03
thousand km^2
year
2100
2080
2060
2040
2020

Japan FodderGrass production vs allocation
r2 = 0.43 pval = 0.00314
y = 4.66 + 3.47 * x
Mt (EJ for BioeneryCrop)
32
30
28
6.25
6.50
6.75
7.00
7.25
7.50
thousand km^2
year
2100
2080
2060
2040
2020

Japan FodderGrass price vs production
r2 = 0.73 pval = 1e−05
y = −0.66 + 0.03405 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
28
30
32
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan FodderGrass price vs allocation
r2 = 0.03 pval = 0.48935
y = 0.06 + 0.03676 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
6.25
6.50
6.75
7.00
7.25
7.50
thousand km^2
year
2100
2080
2060
2040
2020

Japan FodderHerb production vs allocation
r2 = 1 pval = 0
y = −1.78 + 6.746 * x
Mt (EJ for BioeneryCrop)
20
15
10
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Japan FodderHerb price vs production
r2 = 0.97 pval = 0
y = 0.01 + 0.00511 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
10
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan FodderHerb price vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.03454 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
1.5
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

Japan Fruits production vs allocation
r2 = 0.43 pval = 0.00328
y = 2.52 + 0.291 * x
Mt (EJ for BioeneryCrop)
3.0
2.9
2.8
2.7
2.6
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Japan Fruits price vs production
r2 = 0.24 pval = 0.04081
y = 1.28 + −0.14475 * x
1975$ per kg (per GJ for BioeneryCrop)
0.88
0.84
0.80
2.6
2.7
2.8
2.9
3.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Fruits price vs allocation
r2 = 0.91 pval = 0
y = 1.03 + −0.12654 * x
1975$ per kg (per GJ for BioeneryCrop)
0.88
0.84
0.80
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Japan Legumes production vs allocation
r2 = 0.38 pval = 0.00677
y = 0.14 + −0.141 * x
Mt (EJ for BioeneryCrop)
0.090
0.085
0.080
0.32
0.34
0.36
0.38
0.40
thousand km^2
year
2100
2080
2060
2040
2020

Japan Legumes price vs production
r2 = 0.82 pval = 0
y = −8.4 + 120.95043 * x
1975$ per kg (per GJ for BioeneryCrop)
3.0
2.5
2.0
1.5
1.0
0.080
0.085
0.090
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Legumes price vs allocation
r2 = 0.73 pval = 1e−05
y = 11.12 + −26.33646 * x
1975$ per kg (per GJ for BioeneryCrop)
3
2
1
0.32
0.34
0.36
0.38
0.40
thousand km^2
year
2100
2080
2060
2040
2020

Japan MiscCrop production vs allocation
r2 = 0.98 pval = 0
y = 0.03 + 0.244 * x
Mt (EJ for BioeneryCrop)
0.15
0.12
0.09
0.2
0.3
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

Japan MiscCrop price vs production
r2 = 0.73 pval = 1e−05
y = 3.63 + −2.5051 * x
1975$ per kg (per GJ for BioeneryCrop)
3.4
3.3
3.2
0.08
0.10
0.12
0.14
0.16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan MiscCrop price vs allocation
r2 = 0.84 pval = 0
y = 3.57 + −0.66378 * x
1975$ per kg (per GJ for BioeneryCrop)
3.4
3.3
3.2
0.2
0.3
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

Japan NutsSeeds production vs allocation
r2 = 0.03 pval = 0.52375
y = 0.05 + −0.033 * x
Mt (EJ for BioeneryCrop)
0.044
0.040
0.036
0.24
0.26
0.28
thousand km^2
year
2100
2080
2060
2040
2020

Japan NutsSeeds price vs production
r2 = 0.65 pval = 5e−05
y = −13.69 + 420.23106 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0.036
0.040
0.044
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan NutsSeeds price vs allocation
r2 = 0.47 pval = 0.00175
y = 23.87 + −72.41803 * x
1975$ per kg (per GJ for BioeneryCrop)
7
6
5
4
3
2
0.24
0.26
0.28
thousand km^2
year
2100
2080
2060
2040
2020

Japan OilCrop production vs allocation
r2 = 0.04 pval = 0.41936
y = 0.07 + −0.096 * x
Mt (EJ for BioeneryCrop)
0.050
0.045
0.040
0.035
0.22
0.24
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Japan OilCrop price vs production
r2 = 0.86 pval = 0
y = −2.49 + 111.8719 * x
1975$ per kg (per GJ for BioeneryCrop)
3.5
3.0
2.5
2.0
1.5
1.0
0.035
0.040
0.045
0.050
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan OilCrop price vs allocation
r2 = 0.26 pval = 0.02944
y = 9.48 + −29.17055 * x
1975$ per kg (per GJ for BioeneryCrop)
3.0
2.5
2.0
1.5
1.0
0.22
0.24
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Japan OtherGrain production vs allocation
r2 = 0.47 pval = 0.00174
y = −0.33 + 0.536 * x
Mt (EJ for BioeneryCrop)
0.40
0.35
0.30
0.25
1.10
1.15
1.20
1.25
1.30
thousand km^2
year
2100
2080
2060
2040
2020

Japan OtherGrain price vs production
r2 = 0.97 pval = 0
y = −0.28 + 2.91575 * x
1975$ per kg (per GJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.5
0.4
0.25
0.30
0.35
0.40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan OtherGrain price vs allocation
r2 = 0.52 pval = 7e−04
y = −1.39 + 1.67226 * x
1975$ per kg (per GJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.5
0.4
1.10
1.15
1.20
1.25
1.30
thousand km^2
year
2100
2080
2060
2040
2020

Japan Rice production vs allocation
r2 = 0.88 pval = 0
y = 6.73 + 0.282 * x
Mt (EJ for BioeneryCrop)
11.0
10.5
10.0
9.5
9.0
10
12
14
16
thousand km^2
year
2100
2080
2060
2040
2020

Japan Rice price vs production
r2 = 0.76 pval = 0
y = 4.68 + −0.3727 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
9.0
9.5
10.0
10.5
11.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Rice price vs allocation
r2 = 0.92 pval = 0
y = 2.4 + −0.12308 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
10
12
14
16
thousand km^2
year
2100
2080
2060
2040
2020

Japan RootTuber production vs allocation
r2 = 0.91 pval = 0
y = 1.87 + 1.333 * x
Mt (EJ for BioeneryCrop)
3.75
3.50
3.25
3.00
2.75
2.50
0.6
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

Japan RootTuber price vs production
r2 = 0.78 pval = 0
y = 0.6 + −0.06809 * x
1975$ per kg (per GJ for BioeneryCrop)
0.42
0.40
0.38
0.36
2.7
3.0
3.3
3.6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan RootTuber price vs allocation
r2 = 0.9 pval = 0
y = 0.48 + −0.10207 * x
1975$ per kg (per GJ for BioeneryCrop)
0.42
0.40
0.38
0.36
0.34
0.6
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

Japan Soybean production vs allocation
r2 = 0.32 pval = 0.01376
y = 0.75 + −0.352 * x
Mt (EJ for BioeneryCrop)
0.34
0.30
0.26
1.2
1.3
1.4
1.5
thousand km^2
year
2100
2080
2060
2040
2020

Japan Soybean price vs production
r2 = 0.88 pval = 0
y = −0.55 + 3.78569 * x
1975$ per kg (per GJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.5
0.4
0.26
0.30
0.34
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Soybean price vs allocation
r2 = 0.38 pval = 0.00617
y = 2.56 + −1.54047 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
1.2
1.3
1.4
1.5
thousand km^2
year
2100
2080
2060
2040
2020

Japan SugarCrop production vs allocation
r2 = 0.95 pval = 0
y = −7.67 + 14.936 * x
Mt (EJ for BioeneryCrop)
10
8
6
0.8
0.9
1.0
1.1
1.2
thousand km^2
year
2100
2080
2060
2040
2020

Japan SugarCrop price vs production
r2 = 0.92 pval = 0
y = 0 + 0.0057 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
0.03
5
6
7
8
9
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan SugarCrop price vs allocation
r2 = 0.79 pval = 0
y = −0.04 + 0.08105 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
0.03
0.8
0.9
1.0
1.1
1.2
thousand km^2
year
2100
2080
2060
2040
2020

Japan Vegetables production vs allocation
r2 = 0.62 pval = 1e−04
y = 8.34 + 0.841 * x
Mt (EJ for BioeneryCrop)
11
10
9
2.0
2.5
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Japan Vegetables price vs production
r2 = 0.6 pval = 0.00016
y = 0.62 + −0.01366 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.49
0.48
0.47
0.46
9.0
9.5
10.0
10.5
11.0
11.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Vegetables price vs allocation
r2 = 0.9 pval = 0
y = 0.52 + −0.0179 * x
1975$ per kg (per GJ for BioeneryCrop)
0.49
0.48
0.47
0.46
2.0
2.5
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Japan Wheat production vs allocation
r2 = 0.65 pval = 6e−05
y = −0.98 + 0.979 * x
Mt (EJ for BioeneryCrop)
1.2
1.1
1.0
0.9
0.8
1.8
1.9
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Japan Wheat price vs production
r2 = 0.94 pval = 0
y = −0.18 + 0.31704 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.14
0.10
0.8
0.9
1.0
1.1
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Japan Wheat price vs allocation
r2 = 0.44 pval = 0.00287
y = −0.39 + 0.26282 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.14
0.10
1.8
1.9
2.0
2.1
2.2
thousand km^2
year
2100
2080
2060
2040
2020

Mexico BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.14 + 0.029 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
2
4
6
8
0
100
200
300
year
2100
2080
2060
2040
2020

Mexico BioenergyCrop price vs production
r2 = 0.79 pval = 0
y = 0.98 + 0.83177 * x
1975$ per kg (per GJ for BioeneryCrop)
Mt (EJ for BioeneryCrop)
0
2
4
6
8
year
2100
2080
2060
2040
2020

Mexico BioenergyCrop price vs allocation
r2 = 0.73 pval = 1e−05
y = 1.04 + 0.02326 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Corn production vs allocation
r2 = 0.81 pval = 0
y = −72.08 + 1.71 * x
Mt (EJ for BioeneryCrop)
45
40
35
30
25
60
63
66
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Corn price vs production
r2 = 0.86 pval = 0
y = −0.08 + 0.00492 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.09
0.06
25
30
35
40
45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Corn price vs allocation
r2 = 0.49 pval = 0.00128
y = −0.35 + 0.00704 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
60
63
66
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FiberCrop production vs allocation
r2 = 0.76 pval = 0
y = 0.33 + 0.331 * x
Mt (EJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.75
1.00
1.25
1.50
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FiberCrop price vs production
r2 = 0.57 pval = 0.00027
y = 1.3 + −1.11397 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.6
0.7
0.8
0.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico FiberCrop price vs allocation
r2 = 0.96 pval = 0
y = 1.17 + −0.54847 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.75
1.00
1.25
1.50
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FodderGrass production vs allocation
r2 = 0.97 pval = 0
y = −5.58 + 2.668 * x
Mt (EJ for BioeneryCrop)
10
8
6
4
3.5
4.0
4.5
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FodderGrass price vs production
r2 = 0.82 pval = 0
y = −0.01 + 0.0074 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.04
0.02
4
6
8
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico FodderGrass price vs allocation
r2 = 0.85 pval = 0
y = −0.06 + 0.02045 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.06
0.04
0.02
3.5
4.0
4.5
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FodderHerb production vs allocation
r2 = 0.99 pval = 0
y = 2.86 + 5.757 * x
Mt (EJ for BioeneryCrop)
120
100
80
60
40
10
14
18
thousand km^2
year
2100
2080
2060
2040
2020

Mexico FodderHerb price vs production
r2 = 0.71 pval = 1e−05
y = 0 + 0.00076 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
40
60
80
100
120
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico FodderHerb price vs allocation
r2 = 0.79 pval = 0
y = 0 + 0.00462 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
10
14
18
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Fruits production vs allocation
r2 = 0.97 pval = 0
y = −20.63 + 3.121 * x
Mt (EJ for BioeneryCrop)
30
25
20
13
14
15
16
17
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Fruits price vs production
r2 = 0.91 pval = 0
y = 0.07 + 0.0014 * x
1975$ per kg (per GJ for BioeneryCrop)
0.115
0.110
0.105
0.100
0.095
20
25
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Fruits price vs allocation
r2 = 0.94 pval = 0
y = 0.04 + 0.0045 * x
1975$ per kg (per GJ for BioeneryCrop)
0.115
0.110
0.105
0.100
13
14
15
16
17
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Legumes production vs allocation
r2 = 1 pval = 0
y = −2.18 + 0.231 * x
Mt (EJ for BioeneryCrop)
3.5
3.0
2.5
2.0
1.5
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Legumes price vs production
r2 = 0.95 pval = 0
y = −0.17 + 0.1881 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
0.5
1.5
2.0
2.5
3.0
3.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Legumes price vs allocation
r2 = 0.94 pval = 0
y = −0.57 + 0.04329 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
0.5
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

Mexico MiscCrop production vs allocation
r2 = 0.99 pval = 0
y = 0 + 0.045 * x
Mt (EJ for BioeneryCrop)
3
2
1
20
40
60
thousand km^2
year
2100
2080
2060
2040
2020

Mexico MiscCrop price vs production
r2 = 0.96 pval = 0
y = 0.27 + −0.03085 * x
1975$ per kg (per GJ for BioeneryCrop)
0.250
0.225
0.200
0.175
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico MiscCrop price vs allocation
r2 = 0.99 pval = 0
y = 0.27 + −0.00141 * x
1975$ per kg (per GJ for BioeneryCrop)
0.250
0.225
0.200
20
40
60
thousand km^2
year
2100
2080
2060
2040
2020

Mexico NutsSeeds production vs allocation
r2 = 0.16 pval = 0.09443
y = 0.14 + 0.18 * x
Mt (EJ for BioeneryCrop)
0.60
0.55
0.50
0.45
0.40
0.35
2.0
2.2
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Mexico NutsSeeds price vs production
r2 = 0.51 pval = 9e−04
y = −5.09 + 14.40809 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
3
4
0.35
0.40
0.45
0.50
0.55
0.60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico NutsSeeds price vs allocation
r2 = 0.11 pval = 0.1748
y = 9.78 + −2.98883 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
2.0
2.2
2.4
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OilCrop production vs allocation
r2 = 0.21 pval = 0.05908
y = 1.04 + 0.268 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OilCrop price vs production
r2 = 0.5 pval = 0.00096
y = −0.07 + 0.09909 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
1.5
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico OilCrop price vs allocation
r2 = 0.08 pval = 0.26642
y = 0.22 + −0.02284 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.05
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OilPalm production vs allocation
r2 = 1 pval = 0
y = −0.24 + 1.758 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
1.0
0.5
0.50
0.75
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OilPalm price vs production
r2 = 0.8 pval = 0
y = 0.02 + 0.00946 * x
1975$ per kg (per GJ for BioeneryCrop)
0.050
0.045
0.040
0.035
0.030
0.025
1.0
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico OilPalm price vs allocation
r2 = 0.82 pval = 0
y = 0.02 + 0.01689 * x
1975$ per kg (per GJ for BioeneryCrop)
0.050
0.045
0.040
0.035
0.030
0.025
0.50
0.75
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OtherGrain production vs allocation
r2 = 0.01 pval = 0.6427
y = 9.4 + −0.052 * x
Mt (EJ for BioeneryCrop)
9.5
9.0
8.5
8.0
7.5
7.0
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Mexico OtherGrain price vs production
r2 = 0.15 pval = 0.11847
y = −0.07 + 0.01918 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
7.0
7.5
8.0
8.5
9.0
9.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico OtherGrain price vs allocation
r2 = 0.92 pval = 0
y = 0.44 + −0.02132 * x
1975$ per kg (per GJ for BioeneryCrop)
0.125
0.100
0.075
0.050
14
15
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Rice production vs allocation
r2 = 0.21 pval = 0.05304
y = 0 + 0.869 * x
Mt (EJ for BioeneryCrop)
0.35
0.30
0.25
0.350
0.375
0.400
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Rice price vs production
r2 = 0.42 pval = 0.0035
y = −0.07 + 0.62225 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.25
0.30
0.35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Rice price vs allocation
r2 = 0.11 pval = 0.16898
y = 0.37 + −0.60924 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
0.350
0.375
0.400
thousand km^2
year
2100
2080
2060
2040
2020

Mexico RootTuber production vs allocation
r2 = 0.74 pval = 1e−05
y = 3.66 + −2.112 * x
Mt (EJ for BioeneryCrop)
2.8
2.6
2.4
2.2
2.0
0.4
0.5
0.6
thousand km^2
year
2100
2080
2060
2040
2020

Mexico RootTuber price vs production
r2 = 0.7 pval = 2e−05
y = −0.03 + 0.06648 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
2.0
2.2
2.4
2.6
2.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico RootTuber price vs allocation
r2 = 0.97 pval = 0
y = 0.24 + −0.19236 * x
1975$ per kg (per GJ for BioeneryCrop)
0.17
0.16
0.15
0.14
0.13
0.12
0.4
0.5
0.6
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Soybean production vs allocation
r2 = 0.33 pval = 0.01321
y = 0.32 + 0.064 * x
Mt (EJ for BioeneryCrop)
0.45
0.40
1.25
1.50
1.75
2.00
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Soybean price vs production
r2 = 0.35 pval = 0.00949
y = 0.71 + −1.164 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.40
0.45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Soybean price vs allocation
r2 = 0.99 pval = 0
y = 0.56 + −0.21709 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.25
1.50
1.75
2.00
thousand km^2
year
2100
2080
2060
2040
2020

Mexico SugarCrop production vs allocation
r2 = 0.9 pval = 0
y = −176.08 + 32.921 * x
Mt (EJ for BioeneryCrop)
125
100
75
50
7
8
9
thousand km^2
year
2100
2080
2060
2040
2020

Mexico SugarCrop price vs production
r2 = 0.74 pval = 1e−05
y = 0 + 1e−04 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0175
0.0150
0.0125
0.0100
0.0075
75
100
125
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico SugarCrop price vs allocation
r2 = 0.44 pval = 0.00284
y = −0.01 + 0.00268 * x
1975$ per kg (per GJ for BioeneryCrop)
0.018
0.016
0.014
0.012
0.010
7
8
9
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Vegetables production vs allocation
r2 = 0.92 pval = 0
y = −19.92 + 5.701 * x
Mt (EJ for BioeneryCrop)
30
25
20
15
6.5
7.0
7.5
8.0
8.5
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Vegetables price vs production
r2 = 0.89 pval = 0
y = 0.07 + 0.00197 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
0.10
15
20
25
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Vegetables price vs allocation
r2 = 0.96 pval = 0
y = 0.02 + 0.01214 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
6.5
7.0
7.5
8.0
8.5
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Wheat production vs allocation
r2 = 0.87 pval = 0
y = 0.82 + 0.499 * x
Mt (EJ for BioeneryCrop)
4
3
3
4
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Mexico Wheat price vs production
r2 = 0.72 pval = 1e−05
y = 0.33 + −0.05812 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
3
4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Mexico Wheat price vs allocation
r2 = 0.93 pval = 0
y = 0.32 + −0.0355 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
3
4
5
6
thousand km^2
year
2100
2080
2060
2040
2020

Middle East BioenergyCrop production vs allocation
r2 = 0.91 pval = 0
y = −0.1 + 0.022 * x
Mt (EJ for BioeneryCrop)
0
2
4
6
0
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

Middle East BioenergyCrop price vs production
r2 = 0.77 pval = 0
y = 1.4 + 1.43489 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
2
4
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East BioenergyCrop price vs allocation
r2 = 0.54 pval = 0.00048
y = 2.13 + 0.02838 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
100
200
300
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Corn production vs allocation
r2 = 1 pval = 0
y = −2.78 + 1.342 * x
Mt (EJ for BioeneryCrop)
thousand km^2
2
3
4
5
6
7
4
5
6
7
year
2100
2080
2060
2040
2020

Middle East Corn price vs production
r2 = 0.79 pval = 0
y = −0.05 + 0.06482 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
2
3
4
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Corn price vs allocation
r2 = 0.76 pval = 0
y = −0.22 + 0.08574 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FiberCrop production vs allocation
r2 = 0.59 pval = 2e−04
y = −0.17 + 0.493 * x
Mt (EJ for BioeneryCrop)
0.8
0.7
0.6
0.5
1.5
1.6
1.7
1.8
1.9
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FiberCrop price vs production
r2 = 0.28 pval = 0.02384
y = −0.27 + 1.41612 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.5
0.6
0.7
0.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East FiberCrop price vs allocation
r2 = 0.01 pval = 0.68137
y = 0.97 + −0.1784 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
1.5
1.6
1.7
1.8
1.9
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FodderGrass production vs allocation
r2 = 1 pval = 0
y = −4.81 + 3.322 * x
Mt (EJ for BioeneryCrop)
50
40
30
20
5.0
7.5
10.0
12.5
15.0
17.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FodderGrass price vs production
r2 = 0.98 pval = 0
y = 0.01 + 0.00343 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
20
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East FodderGrass price vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.0114 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
5.0
7.5
10.0
12.5
15.0
17.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FodderHerb production vs allocation
r2 = 1 pval = 0
y = −11.84 + 3.934 * x
Mt (EJ for BioeneryCrop)
200
150
100
50
10
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Middle East FodderHerb price vs production
r2 = 0.98 pval = 0
y = 0.03 + 0.00036 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
50
100
150
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East FodderHerb price vs allocation
r2 = 0.98 pval = 0
y = 0.03 + 0.00144 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
10
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Fruits production vs allocation
r2 = 0.17 pval = 0.09361
y = −92.66 + 5.498 * x
Mt (EJ for BioeneryCrop)
50
40
30
23.5
24.0
24.5
25.0
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Fruits price vs production
r2 = 0.8 pval = 0
y = 0.18 + 0.00286 * x
1975$ per kg (per GJ for BioeneryCrop)
0.32
0.30
0.28
0.26
0.24
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Fruits price vs allocation
r2 = 0 pval = 0.9355
y = 0.27 + 0.00089 * x
1975$ per kg (per GJ for BioeneryCrop)
0.33
0.31
0.29
0.27
23.5
24.0
24.5
25.0
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Legumes production vs allocation
r2 = 0.99 pval = 0
y = −2.34 + 0.311 * x
Mt (EJ for BioeneryCrop)
3.5
3.0
2.5
2.0
1.5
1.0
10
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Legumes price vs production
r2 = 0.9 pval = 0
y = −0.03 + 0.31275 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
1.0
1.5
2.0
2.5
3.0
3.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Legumes price vs allocation
r2 = 0.87 pval = 0
y = −0.74 + 0.09591 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.2
10
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Middle East MiscCrop production vs allocation
r2 = 0.75 pval = 0
y = 0 + 0.214 * x
Mt (EJ for BioeneryCrop)
0.40
0.35
0.30
0.25
0.20
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Middle East MiscCrop price vs production
r2 = 0.81 pval = 0
y = 1.08 + −0.93487 * x
1975$ per kg (per GJ for BioeneryCrop)
0.90
0.85
0.80
0.75
0.70
0.20
0.25
0.30
0.35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East MiscCrop price vs allocation
r2 = 0.99 pval = 0
y = 1.15 + −0.25433 * x
1975$ per kg (per GJ for BioeneryCrop)
0.90
0.85
0.80
0.75
0.70
1.00
1.25
1.50
1.75
thousand km^2
year
2100
2080
2060
2040
2020

Middle East NutsSeeds production vs allocation
r2 = 0.91 pval = 0
y = −1.56 + 0.343 * x
Mt (EJ for BioeneryCrop)
3.0
2.5
2.0
1.5
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

Middle East NutsSeeds price vs production
r2 = 0.89 pval = 0
y = −4.93 + 4.68489 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
1.5
2.0
2.5
3.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East NutsSeeds price vs allocation
r2 = 0.66 pval = 4e−05
y = −10.32 + 1.4476 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

Middle East OilCrop production vs allocation
r2 = 0.86 pval = 0
y = −4.79 + 0.55 * x
Mt (EJ for BioeneryCrop)
5
4
3
2
13
15
17
19
thousand km^2
year
2100
2080
2060
2040
2020

Middle East OilCrop price vs production
r2 = 0.65 pval = 5e−05
y = 0.01 + 0.16387 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
2
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East OilCrop price vs allocation
r2 = 0.29 pval = 0.02039
y = −0.38 + 0.06496 * x
1975$ per kg (per GJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.5
0.4
13
15
17
19
thousand km^2
year
2100
2080
2060
2040
2020

Middle East OtherGrain production vs allocation
r2 = 1 pval = 0
y = −15.79 + 0.558 * x
Mt (EJ for BioeneryCrop)
14
12
10
8
6
40
45
50
55
thousand km^2
year
2100
2080
2060
2040
2020

Middle East OtherGrain price vs production
r2 = 0.86 pval = 0
y = 0.01 + 0.0129 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
0.08
6
8
10
12
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East OtherGrain price vs allocation
r2 = 0.85 pval = 0
y = −0.19 + 0.00719 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
40
45
50
55
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Rice production vs allocation
r2 = 0.75 pval = 0
y = −4.4 + 1.412 * x
Mt (EJ for BioeneryCrop)
6
5
4
3
5.5
6.0
6.5
7.0
7.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Rice price vs production
r2 = 0.5 pval = 0.00099
y = 0.01 + 0.10182 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
3
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Rice price vs allocation
r2 = 0.08 pval = 0.26571
y = 0.08 + 0.06494 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
5.5
6.0
6.5
7.0
7.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East RootTuber production vs allocation
r2 = 0.31 pval = 0.01543
y = −13.81 + 9.249 * x
Mt (EJ for BioeneryCrop)
12
10
8
2.5
2.6
2.7
2.8
2.9
thousand km^2
year
2100
2080
2060
2040
2020

Middle East RootTuber price vs production
r2 = 0.57 pval = 0.00029
y = 0.04 + 0.00775 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
0.10
8
10
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East RootTuber price vs allocation
r2 = 0 pval = 0.85749
y = 0.1 + 0.00771 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
0.11
0.10
2.5
2.6
2.7
2.8
2.9
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Soybean production vs allocation
r2 = 0.64 pval = 7e−05
y = 0.02 + 0.251 * x
Mt (EJ for BioeneryCrop)
0.21
0.19
0.17
0.15
0.13
0.11
0.40
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Soybean price vs production
r2 = 0.3 pval = 0.01797
y = 0.77 + −2.77018 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.11
0.13
0.15
0.17
0.19
0.21
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Soybean price vs allocation
r2 = 0.87 pval = 0
y = 1.09 + −1.47323 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.40
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Middle East SugarCrop production vs allocation
r2 = 0.73 pval = 1e−05
y = −11.85 + 15.332 * x
Mt (EJ for BioeneryCrop)
40
30
20
2.0
2.5
3.0
3.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East SugarCrop price vs production
r2 = 0.84 pval = 0
y = 0.01 + 0.00072 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
20
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East SugarCrop price vs allocation
r2 = 0.33 pval = 0.01215
y = 0.01 + 0.00818 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
2.0
2.5
3.0
3.5
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Vegetables production vs allocation
r2 = 0.83 pval = 0
y = −97.97 + 11.399 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
30
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Vegetables price vs production
r2 = 0.78 pval = 0
y = 0.08 + 0.00079 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
30
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Vegetables price vs allocation
r2 = 0.97 pval = 0
y = −0.02 + 0.01102 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.13
0.12
0.11
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Wheat production vs allocation
r2 = 0.97 pval = 0
y = −40 + 0.721 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
85
90
95
100
105
thousand km^2
year
2100
2080
2060
2040
2020

Middle East Wheat price vs production
r2 = 0.27 pval = 0.02636
y = 0 + 0.00777 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Middle East Wheat price vs allocation
r2 = 0.28 pval = 0.02341
y = −0.33 + 0.00579 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
85
90
95
100
105
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.05 + 0.022 * x
Mt (EJ for BioeneryCrop)
1.2
0.8
0.4
0.0
0
20
40
60
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan BioenergyCrop price vs production
r2 = 0.74 pval = 0
y = 1.77 + 8.38273 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0.00
0.25
0.50
0.75
1.00
1.25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan BioenergyCrop price vs allocation
r2 = 0.68 pval = 3e−05
y = 1.63 + 0.17867 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
20
40
60
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Corn production vs allocation
r2 = 1 pval = 0
y = −4.09 + 1.477 * x
Mt (EJ for BioeneryCrop)
20
10
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Corn price vs production
r2 = 0.97 pval = 0
y = 0.01 + 0.00404 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
5
10
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Corn price vs allocation
r2 = 0.95 pval = 0
y = −0.01 + 0.00593 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan FiberCrop production vs allocation
r2 = 0.15 pval = 0.11615
y = 25.31 + −1.041 * x
Mt (EJ for BioeneryCrop)
12
10
8
6
14.0
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan FiberCrop price vs production
r2 = 0.73 pval = 1e−05
y = −0.36 + 0.08256 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
6
8
10
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan FiberCrop price vs allocation
r2 = 0.28 pval = 0.02354
y = 2.51 + −0.13933 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
14.0
14.5
15.0
15.5
16.0
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan FodderGrass production vs allocation
r2 = 1 pval = 0
y = −0.01 + 2.557 * x
Mt (EJ for BioeneryCrop)
0.10
0.05
0.02
0.03
0.04
0.05
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan FodderGrass price vs production
r2 = 0.97 pval = 0
y = 0 + 0.4055 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
0.03
0.02
0.05
0.10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan FodderGrass price vs allocation
r2 = 0.97 pval = 0
y = 0 + 1.03753 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
0.03
0.02
0.02
0.03
0.04
0.05
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Fruits production vs allocation
r2 = 1 pval = 0
y = −10.84 + 1.857 * x
Mt (EJ for BioeneryCrop)
30
25
20
15
10
12
16
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Fruits price vs production
r2 = 0.95 pval = 0
y = 0.08 + 0.00068 * x
1975$ per kg (per GJ for BioeneryCrop)
0.095
0.090
0.085
0.080
10
15
20
25
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Fruits price vs allocation
r2 = 0.96 pval = 0
y = 0.07 + 0.00128 * x
1975$ per kg (per GJ for BioeneryCrop)
0.095
0.090
0.085
0.080
12
16
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Legumes production vs allocation
r2 = 1 pval = 0
y = −0.9 + 0.222 * x
Mt (EJ for BioeneryCrop)
4
3
2
1
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Legumes price vs production
r2 = 0.94 pval = 0
y = 0.06 + 0.04715 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
1
2
3
4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Legumes price vs allocation
r2 = 0.94 pval = 0
y = 0.01 + 0.01041 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan MiscCrop production vs allocation
r2 = 0.48 pval = 0.00133
y = 0.14 + 0.31 * x
Mt (EJ for BioeneryCrop)
0.27
0.24
0.21
0.20
0.25
0.30
0.35
0.40
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan MiscCrop price vs production
r2 = 0.23 pval = 0.046
y = 0.82 + −0.45397 * x
1975$ per kg (per GJ for BioeneryCrop)
0.74
0.72
0.70
0.68
0.21
0.24
0.27
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan MiscCrop price vs allocation
r2 = 0.92 pval = 0
y = 0.84 + −0.40766 * x
1975$ per kg (per GJ for BioeneryCrop)
0.76
0.74
0.72
0.70
0.68
0.20
0.25
0.30
0.35
0.40
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan NutsSeeds production vs allocation
r2 = 0.98 pval = 0
y = −0.47 + 0.819 * x
Mt (EJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.00
0.6
0.9
1.2
1.5
1.8
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan NutsSeeds price vs production
r2 = 0.89 pval = 0
y = 0.11 + 0.66908 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.2
0.25
0.50
0.75
1.00
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan NutsSeeds price vs allocation
r2 = 0.82 pval = 0
y = −0.18 + 0.53137 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
0.6
0.9
1.2
1.5
1.8
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan OilCrop production vs allocation
r2 = 0.32 pval = 0.01532
y = −0.12 + 0.387 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
1.0
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan OilCrop price vs production
r2 = 0.46 pval = 0.00187
y = −0.02 + 0.11771 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.0
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan OilCrop price vs allocation
r2 = 0.04 pval = 0.40478
y = 0.37 + −0.02495 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan OtherGrain production vs allocation
r2 = 0.99 pval = 0
y = −0.23 + 0.14 * x
Mt (EJ for BioeneryCrop)
2
1
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan OtherGrain price vs production
r2 = 0.76 pval = 0
y = 0.04 + 0.01012 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
1
2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan OtherGrain price vs allocation
r2 = 0.74 pval = 0
y = 0.03 + 0.0014 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Rice production vs allocation
r2 = 0.72 pval = 1e−05
y = 5.39 + 0.532 * x
Mt (EJ for BioeneryCrop)
14
12
10
8
6
9
12
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Rice price vs production
r2 = 0.71 pval = 1e−05
y = 0.81 + −0.05436 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
8
10
12
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Rice price vs allocation
r2 = 0.93 pval = 0
y = 0.6 + −0.03898 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
6
9
12
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan RootTuber production vs allocation
r2 = 0.96 pval = 0
y = −9.8 + 14.734 * x
Mt (EJ for BioeneryCrop)
9
8
7
6
5
4
1.0
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan RootTuber price vs production
r2 = 0.95 pval = 0
y = 0 + 0.00673 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
4
5
6
7
8
9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan RootTuber price vs allocation
r2 = 0.98 pval = 0
y = −0.07 + 0.1028 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.05
0.04
1.0
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Soybean production vs allocation
r2 = 0.99 pval = 0
y = 0 + 0.206 * x
Mt (EJ for BioeneryCrop)
1e−04
8e−05
6e−05
4e−05
3e−04
4e−04
5e−04
6e−04
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Soybean price vs production
r2 = 0.91 pval = 0
y = 0 + 1013.99632 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
4e−05
6e−05
8e−05
1e−04
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Soybean price vs allocation
r2 = 0.84 pval = 0
y = −0.02 + 201.0216 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.04
3e−04
4e−04
5e−04
6e−04
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan SugarCrop production vs allocation
r2 = 0.98 pval = 0
y = −44.08 + 21.128 * x
Mt (EJ for BioeneryCrop)
180
150
120
90
6
7
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan SugarCrop price vs production
r2 = 0.93 pval = 0
y = −0.03 + 0.00053 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.04
0.02
90
120
150
180
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan SugarCrop price vs allocation
r2 = 0.98 pval = 0
y = −0.06 + 0.01161 * x
1975$ per kg (per GJ for BioeneryCrop)
0.06
0.04
0.02
6
7
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Vegetables production vs allocation
r2 = 0.74 pval = 0
y = −6.89 + 5.513 * x
17.5
15.0
12.5
10.0
7.5
Mt (EJ for BioeneryCrop)
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Vegetables price vs production
r2 = 0.91 pval = 0
y = 0.02 + 0.00548 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
7.5
10.0
12.5
15.0
17.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Vegetables price vs allocation
r2 = 0.59 pval = 0.00021
y = −0.02 + 0.02815 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.10
0.09
0.08
0.07
0.06
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Wheat production vs allocation
r2 = 0.45 pval = 0.00226
y = 49.86 + −0.436 * x
Mt (EJ for BioeneryCrop)
37.5
35.0
32.5
30.0
27.5
25.0
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Pakistan Wheat price vs production
r2 = 0.26 pval = 0.03007
y = −0.42 + 0.0194 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
25.0
27.5
30.0
32.5
35.0
37.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Pakistan Wheat price vs allocation
r2 = 0.94 pval = 0
y = 1.12 + −0.02383 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
35
40
45
thousand km^2
year
2100
2080
2060
2040
2020

Russia BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = 0.21 + 0.02 * x
Mt (EJ for BioeneryCrop)
20
15
10
5
0
0
300
600
900
thousand km^2
year
2100
2080
2060
2040
2020

Russia BioenergyCrop price vs production
r2 = 0.66 pval = 4e−05
y = 0.33 + 0.38939 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0.0
0
5
10
15
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia BioenergyCrop price vs allocation
r2 = 0.52 pval = 8e−04
y = 1.03 + 0.00684 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
300
600
900
thousand km^2
year
2100
2080
2060
2040
2020

Russia Corn production vs allocation
r2 = 0.8 pval = 0
y = −27.15 + 1.577 * x
Mt (EJ for BioeneryCrop)
25
20
15
26
28
30
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

Russia Corn price vs production
r2 = 0.78 pval = 0
y = −0.06 + 0.00624 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
16
20
24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Corn price vs allocation
r2 = 0.35 pval = 0.01029
y = −0.15 + 0.00733 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
26
28
30
32
34
36
thousand km^2
year
2100
2080
2060
2040
2020

Russia FiberCrop production vs allocation
r2 = 0.07 pval = 0.30142
y = 0.12 + −0.027 * x
Mt (EJ for BioeneryCrop)
0.110
0.105
0.100
0.095
0.48
0.52
0.56
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Russia FiberCrop price vs production
r2 = 0.01 pval = 0.73932
y = 0.29 + −1.16317 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.095
0.100
0.105
0.110
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia FiberCrop price vs allocation
r2 = 0.71 pval = 1e−05
y = 0.8 + −1.22709 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.48
0.52
0.56
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Russia FodderGrass production vs allocation
r2 = 0.73 pval = 1e−05
y = −2.61 + 7.803 * x
Mt (EJ for BioeneryCrop)
2.50
2.25
2.00
1.75
1.50
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

Russia FodderGrass price vs production
r2 = 0.6 pval = 0.00018
y = −0.09 + 0.07196 * x
1975$ per kg (per GJ for BioeneryCrop)
0.075
0.050
0.025
1.4
1.6
1.8
2.0
2.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia FodderGrass price vs allocation
r2 = 0.14 pval = 0.12208
y = −0.13 + 0.32272 * x
1975$ per kg (per GJ for BioeneryCrop)
0.02
0.04
0.06
0.08
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

Russia FodderHerb production vs allocation
r2 = 0.26 pval = 0.03252
y = 21.41 + 1.552 * x
Mt (EJ for BioeneryCrop)
60
50
40
18
20
22
24
thousand km^2
year
2100
2080
2060
2040
2020

Russia FodderHerb price vs production
r2 = 0.28 pval = 0.02294
y = −0.02 + 0.00181 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia FodderHerb price vs allocation
r2 = 0.1 pval = 0.20587
y = 0.15 + −0.00326 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
18
20
22
24
thousand km^2
year
2100
2080
2060
2040
2020

Russia Fruits production vs allocation
r2 = 0.31 pval = 0.01544
y = 5.35 + −0.337 * x
Mt (EJ for BioeneryCrop)
4.0
3.8
3.6
3.4
4.25
4.50
4.75
thousand km^2
year
2100
2080
2060
2040
2020

Russia Fruits price vs production
r2 = 0.66 pval = 5e−05
y = −0.12 + 0.08051 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
3.4
3.6
3.8
4.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Fruits price vs allocation
r2 = 0.85 pval = 0
y = 0.44 + −0.05491 * x
1975$ per kg (per GJ for BioeneryCrop)
0.21
0.20
0.19
0.18
0.17
4.25
4.50
4.75
thousand km^2
year
2100
2080
2060
2040
2020

Russia Legumes production vs allocation
r2 = 0.18 pval = 0.08394
y = 2.38 + 0.038 * x
Mt (EJ for BioeneryCrop)
3.2
3.0
2.8
2.6
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Russia Legumes price vs production
r2 = 0.01 pval = 0.66341
y = 0.05 + 0.03618 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
2.6
2.8
3.0
3.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Legumes price vs allocation
r2 = 0.69 pval = 2e−05
y = 0.5 + −0.02457 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
12
14
16
18
thousand km^2
year
2100
2080
2060
2040
2020

Russia MiscCrop production vs allocation
r2 = 0.81 pval = 0
y = 0.16 + −0.156 * x
0.10
0.09
0.08
0.07
0.06
Mt (EJ for BioeneryCrop)
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Russia MiscCrop price vs production
r2 = 0.72 pval = 1e−05
y = 0.36 + 0.47001 * x
1975$ per kg (per GJ for BioeneryCrop)
0.405
0.400
0.395
0.390
0.385
0.06
0.07
0.08
0.09
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia MiscCrop price vs allocation
r2 = 0.9 pval = 0
y = 0.45 + −0.09138 * x
1975$ per kg (per GJ for BioeneryCrop)
0.405
0.400
0.395
0.390
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Russia NutsSeeds production vs allocation
r2 = 0.87 pval = 0
y = 0.01 + 0.15 * x
0.021
0.019
0.017
0.015
Mt (EJ for BioeneryCrop)
0.04
0.05
0.06
0.07
thousand km^2
year
2100
2080
2060
2040
2020

Russia NutsSeeds price vs production
r2 = 0.54 pval = 0.00047
y = 14.9 + −690.81176 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0.015
0.017
0.019
0.021
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia NutsSeeds price vs allocation
r2 = 0.8 pval = 0
y = 10.19 + −134.34078 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0.04
0.05
0.06
0.07
thousand km^2
year
2100
2080
2060
2040
2020

Russia OilCrop production vs allocation
r2 = 0.17 pval = 0.09301
y = 18.87 + −0.043 * x
Mt (EJ for BioeneryCrop)
17
16
15
14
13
12
70
80
90
100
thousand km^2
year
2100
2080
2060
2040
2020

Russia OilCrop price vs production
r2 = 0.4 pval = 0.00479
y = −0.39 + 0.03746 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
12
13
14
15
16
17
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia OilCrop price vs allocation
r2 = 0.92 pval = 0
y = 0.67 + −0.00592 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
70
80
90
100
thousand km^2
year
2100
2080
2060
2040
2020

Russia OtherGrain production vs allocation
r2 = 0.01 pval = 0.6459
y = 30.13 + 0.007 * x
Mt (EJ for BioeneryCrop)
33
32
31
30
29
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

Russia OtherGrain price vs production
r2 = 0.02 pval = 0.53624
y = 0.15 + −0.00286 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
0.03
29
30
31
32
33
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia OtherGrain price vs allocation
r2 = 0.92 pval = 0
y = 0.18 + −0.00106 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
0.03
100
110
120
130
140
thousand km^2
year
2100
2080
2060
2040
2020

Russia Rice production vs allocation
r2 = 0.99 pval = 0
y = 0.25 + 0.421 * x
Mt (EJ for BioeneryCrop)
1.1
1.0
0.9
0.8
1.2
1.4
1.6
1.8
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia Rice price vs production
r2 = 0.94 pval = 0
y = 0.61 + −0.49916 * x
0.25
0.20
0.15
0.10
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.9
1.0
1.1
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Rice price vs allocation
r2 = 0.93 pval = 0
y = 0.49 + −0.21071 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
1.2
1.4
1.6
1.8
2.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia RootTuber production vs allocation
r2 = 0.53 pval = 0.00062
y = 97.01 + −3.855 * x
Mt (EJ for BioeneryCrop)
36
33
30
27
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Russia RootTuber price vs production
r2 = 0.96 pval = 0
y = −0.03 + 0.00299 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
27.5
30.0
32.5
35.0
37.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia RootTuber price vs allocation
r2 = 0.43 pval = 0.00308
y = 0.24 + −0.01059 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
16
17
18
thousand km^2
year
2100
2080
2060
2040
2020

Russia Soybean production vs allocation
r2 = 0.53 pval = 0.00061
y = 8.69 + −0.251 * x
Mt (EJ for BioeneryCrop)
6
5
4
3
14
16
18
20
thousand km^2
year
2100
2080
2060
2040
2020

Russia Soybean price vs production
r2 = 0.44 pval = 0.00275
y = 0.02 + 0.03049 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
3
4
5
6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Soybean price vs allocation
r2 = 0.97 pval = 0
y = 0.41 + −0.01561 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
0.08
14
16
18
20
thousand km^2
year
2100
2080
2060
2040
2020

Russia SugarCrop production vs allocation
r2 = 0.01 pval = 0.64029
y = 92.4 + −2.917 * x
Mt (EJ for BioeneryCrop)
60
50
10.5
11.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia SugarCrop price vs production
r2 = 0.81 pval = 0
y = −0.01 + 0.00045 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.016
0.012
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia SugarCrop price vs allocation
r2 = 0.23 pval = 0.04442
y = 0.08 + −0.00595 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0225
0.0200
0.0175
0.0150
0.0125
10.5
11.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia Vegetables production vs allocation
r2 = 0.94 pval = 0
y = −32.59 + 6.518 * x
Mt (EJ for BioeneryCrop)
28
24
20
16
8.0
8.5
9.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia Vegetables price vs production
r2 = 0.97 pval = 0
y = 0.05 + 0.00389 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
17.5
20.0
22.5
25.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Vegetables price vs allocation
r2 = 0.96 pval = 0
y = −0.08 + 0.02611 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
8.0
8.5
9.0
thousand km^2
year
2100
2080
2060
2040
2020

Russia Wheat production vs allocation
r2 = 0.89 pval = 0
y = 38.79 + 0.131 * x
Mt (EJ for BioeneryCrop)
75
70
65
60
160
200
240
thousand km^2
year
2100
2080
2060
2040
2020

Russia Wheat price vs production
r2 = 0.86 pval = 0
y = 0.31 + −0.0038 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
60
65
70
75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Russia Wheat price vs allocation
r2 = 0.91 pval = 0
y = 0.18 + −0.00054 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
0.03
160
200
240
thousand km^2
year
2100
2080
2060
2040
2020

South Africa BioenergyCrop production vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.015 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.0
0
10
20
thousand km^2
year
2100
2080
2060
2040
2020

South Africa BioenergyCrop price vs production
r2 = 0.57 pval = 0.00031
y = 1.82 + 23.70409 * x
1975$ per kg (per GJ for BioeneryCrop)
12
9
6
3
0.0
0.1
0.2
0.3
0.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa BioenergyCrop price vs allocation
r2 = 0.43 pval = 0.00312
y = 2.47 + 0.30587 * x
1975$ per kg (per GJ for BioeneryCrop)
12
9
6
3
0
10
20
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Corn production vs allocation
r2 = 0.02 pval = 0.53729
y = 26.32 + −0.314 * x
Mt (EJ for BioeneryCrop)
20
18
16
14
12
26
27
28
29
30
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Corn price vs production
r2 = 0.82 pval = 0
y = −0.14 + 0.01322 * x
0.15
0.10
0.05
1975$ per kg (per GJ for BioeneryCrop)
12
14
16
18
20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Corn price vs allocation
r2 = 0.27 pval = 0.028
y = 0.51 + −0.01523 * x
1975$ per kg (per GJ for BioeneryCrop)
0.150
0.125
0.100
0.075
0.050
26
27
28
29
30
thousand km^2
year
2100
2080
2060
2040
2020

South Africa FiberCrop production vs allocation
r2 = 0.01 pval = 0.73596
y = 0.05 + −0.039 * x
Mt (EJ for BioeneryCrop)
0.050
0.045
0.040
0.16
0.17
0.18
0.19
thousand km^2
year
2100
2080
2060
2040
2020

South Africa FiberCrop price vs production
r2 = 0.75 pval = 0
y = −0.98 + 29.38426 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
0.040
0.045
0.050
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa FiberCrop price vs allocation
r2 = 0.2 pval = 0.06049
y = 1.61 + −6.98819 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.16
0.17
0.18
0.19
thousand km^2
year
2100
2080
2060
2040
2020

South Africa FodderHerb production vs allocation
r2 = 0.8 pval = 0
y = −0.16 + 3.396 * x
Mt (EJ for BioeneryCrop)
11
10
9
8
7
6
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

South Africa FodderHerb price vs production
r2 = 0.27 pval = 0.02668
y = 0 + 0.0093 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
6
7
8
9
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa FodderHerb price vs allocation
r2 = 0.02 pval = 0.57042
y = 0.05 + 0.0097 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
2.0
2.5
3.0
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Fruits production vs allocation
r2 = 0.31 pval = 0.0159
y = 19.41 + −3.359 * x
Mt (EJ for BioeneryCrop)
10
9
8
7
3.0
3.2
3.4
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Fruits price vs production
r2 = 0.87 pval = 0
y = 0.06 + 0.01429 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
7
8
9
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Fruits price vs allocation
r2 = 0.6 pval = 0.00015
y = 0.41 + −0.07162 * x
1975$ per kg (per GJ for BioeneryCrop)
0.21
0.20
0.19
0.18
0.17
3.0
3.2
3.4
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Legumes production vs allocation
r2 = 0.41 pval = 0.00404
y = −0.07 + 0.235 * x
Mt (EJ for BioeneryCrop)
0.14
0.12
0.10
0.08
0.70
0.75
0.80
0.85
0.90
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Legumes price vs production
r2 = 0.78 pval = 0
y = −0.86 + 11.90654 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.50
0.25
0.08
0.10
0.12
0.14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Legumes price vs allocation
r2 = 0.06 pval = 0.33073
y = −0.39 + 1.20127 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.70
0.75
0.80
0.85
0.90
thousand km^2
year
2100
2080
2060
2040
2020

South Africa MiscCrop production vs allocation
r2 = 0.51 pval = 0.00093
y = 0.01 + 0.101 * x
Mt (EJ for BioeneryCrop)
0.021
0.020
0.019
0.018
0.017
0.016
0.04
0.05
0.06
0.07
thousand km^2
year
2100
2080
2060
2040
2020

South Africa MiscCrop price vs production
r2 = 0.25 pval = 0.03303
y = 1.2 + −15.42358 * x
1975$ per kg (per GJ for BioeneryCrop)
0.94
0.90
0.86
0.016
0.017
0.018
0.019
0.020
0.021
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa MiscCrop price vs allocation
r2 = 0.92 pval = 0
y = 1.13 + −4.15795 * x
1975$ per kg (per GJ for BioeneryCrop)
0.94
0.90
0.86
0.04
0.05
0.06
0.07
thousand km^2
year
2100
2080
2060
2040
2020

South Africa NutsSeeds production vs allocation
r2 = 0.13 pval = 0.13942
y = 0.11 + 0.061 * x
Mt (EJ for BioeneryCrop)
0.18
0.16
0.14
0.12
0.10
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South Africa NutsSeeds price vs production
r2 = 0.11 pval = 0.1782
y = −0.97 + 21.78684 * x
1975$ per kg (per GJ for BioeneryCrop)
3
2
1
0.10
0.12
0.14
0.16
0.18
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa NutsSeeds price vs allocation
r2 = 0.53 pval = 0.00066
y = 7.38 + −7.98361 * x
1975$ per kg (per GJ for BioeneryCrop)
3
2
1
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South Africa OilCrop production vs allocation
r2 = 0.35 pval = 0.01017
y = −1.13 + 0.354 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
1.0
7
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

South Africa OilCrop price vs production
r2 = 0.71 pval = 1e−05
y = −0.06 + 0.13918 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
1.0
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa OilCrop price vs allocation
r2 = 0 pval = 0.78648
y = 0.17 + 0.00681 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
7
8
9
10
thousand km^2
year
2100
2080
2060
2040
2020

South Africa OtherGrain production vs allocation
r2 = 0.44 pval = 0.00276
y = 0.42 + 0.072 * x
Mt (EJ for BioeneryCrop)
0.60
0.58
0.56
0.54
0.52
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South Africa OtherGrain price vs production
r2 = 0.27 pval = 0.02621
y = 0.73 + −1.06406 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.52
0.54
0.56
0.58
0.60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa OtherGrain price vs allocation
r2 = 0.92 pval = 0
y = 0.54 + −0.21226 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Rice production vs allocation
r2 = 0.08 pval = 0.24866
y = 0 + 0.133 * x
Mt (EJ for BioeneryCrop)
0.0050
0.0045
0.0040
0.0035
0.0030
0.011
0.012
0.013
0.014
0.015
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Rice price vs production
r2 = 0.3 pval = 0.01795
y = −0.16 + 90.80034 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.0030
0.0035
0.0040
0.0045
0.0050
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Rice price vs allocation
r2 = 0.35 pval = 0.00914
y = 0.83 + −45.72515 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.011
0.012
0.013
0.014
0.015
thousand km^2
year
2100
2080
2060
2040
2020

South Africa RootTuber production vs allocation
r2 = 0.44 pval = 0.00288
y = 8.92 + −6.89 * x
Mt (EJ for BioeneryCrop)
3.3
3.0
2.7
2.4
0.78
0.81
0.84
0.87
0.90
thousand km^2
year
2100
2080
2060
2040
2020

South Africa RootTuber price vs production
r2 = 0.92 pval = 0
y = −0.01 + 0.028 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
0.06
2.50
2.75
3.00
3.25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa RootTuber price vs allocation
r2 = 0.54 pval = 0.00047
y = 0.27 + −0.22518 * x
1975$ per kg (per GJ for BioeneryCrop)
0.09
0.08
0.07
0.78
0.81
0.84
0.87
0.90
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Soybean production vs allocation
r2 = 0.03 pval = 0.46385
y = 1.47 + −0.026 * x
Mt (EJ for BioeneryCrop)
1.5
1.4
1.3
1.2
1.1
1.0
4.0
4.5
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Soybean price vs production
r2 = 0.09 pval = 0.22233
y = −0.04 + 0.20285 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
1.0
1.1
1.2
1.3
1.4
1.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Soybean price vs allocation
r2 = 0.88 pval = 0
y = 0.67 + −0.09016 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
4.0
4.5
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

South Africa SugarCrop production vs allocation
r2 = 0.99 pval = 0
y = −49.82 + 26.33 * x
Mt (EJ for BioeneryCrop)
60
50
40
30
20
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

South Africa SugarCrop price vs production
r2 = 0.84 pval = 0
y = 0.01 + 2e−04 * x
1975$ per kg (per GJ for BioeneryCrop)
0.018
0.016
0.014
0.012
0.010
20
30
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa SugarCrop price vs allocation
r2 = 0.82 pval = 0
y = 0 + 0.00516 * x
1975$ per kg (per GJ for BioeneryCrop)
0.018
0.016
0.014
0.012
0.010
3.0
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Vegetables production vs allocation
r2 = 0.97 pval = 0
y = −6.74 + 5.765 * x
Mt (EJ for BioeneryCrop)
5
4
3
1.7
1.8
1.9
2.0
2.1
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Vegetables price vs production
r2 = 0.96 pval = 0
y = 0.07 + 0.01067 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
3.0
3.5
4.0
4.5
5.0
5.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Vegetables price vs allocation
r2 = 0.92 pval = 0
y = 0 + 0.06128 * x
1975$ per kg (per GJ for BioeneryCrop)
0.13
0.12
0.11
1.7
1.8
1.9
2.0
2.1
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Wheat production vs allocation
r2 = 0.78 pval = 0
y = 1.1 + 0.172 * x
Mt (EJ for BioeneryCrop)
2.2
2.0
1.8
1.6
3
4
5
thousand km^2
year
2100
2080
2060
2040
2020

South Africa Wheat price vs production
r2 = 0.63 pval = 9e−05
y = 0.6 + −0.24769 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
1.6
1.8
2.0
2.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Africa Wheat price vs allocation
r2 = 0.9 pval = 0
y = 0.39 + −0.0578 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
3
4
5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.02 + 0.022 * x
Mt (EJ for BioeneryCrop)
1.2
0.9
0.6
0.3
0.0
0
10
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern BioenergyCrop price vs production
r2 = 0.41 pval = 0.00426
y = 3.95 + 5.2237 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0.0
0.3
0.6
0.9
1.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern BioenergyCrop price vs allocation
r2 = 0.27 pval = 0.0274
y = 4.66 + 0.0945 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0
10
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Corn production vs allocation
r2 = 0.98 pval = 0
y = −5.59 + 1.546 * x
Mt (EJ for BioeneryCrop)
thousand km^2
5
4
3
2
4.5
5.0
5.5
6.0
6.5
year
2100
2080
2060
2040
2020

South America_Northern Corn price vs production
r2 = 0.93 pval = 0
y = 0.12 + 0.03307 * x
1975$ per kg (per GJ for BioeneryCrop)
0.300
0.275
0.250
0.225
0.200
0.175
2
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Corn price vs allocation
r2 = 0.93 pval = 0
y = −0.06 + 0.05158 * x
1975$ per kg (per GJ for BioeneryCrop)
0.300
0.275
0.250
0.225
0.200
0.175
4.5
5.0
5.5
6.0
6.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern FiberCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.01 + 0.227 * x
Mt (EJ for BioeneryCrop)
0.0175
0.0150
0.0125
0.0100
0.08
0.09
0.10
0.11
0.12
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern FiberCrop price vs production
r2 = 0.89 pval = 0
y = −0.23 + 67.90031 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.0100
0.0125
0.0150
0.0175
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern FiberCrop price vs allocation
r2 = 0.84 pval = 0
y = −0.78 + 15.02213 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.08
0.09
0.10
0.11
0.12
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Fruits production vs allocation
r2 = 0.67 pval = 3e−05
y = −2.76 + 3.578 * x
Mt (EJ for BioeneryCrop)
5
4
3
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Fruits price vs production
r2 = 0.97 pval = 0
y = 0.39 + 0.01388 * x
0.46
0.45
0.44
0.43
0.42
1975$ per kg (per GJ for BioeneryCrop)
3
4
5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Fruits price vs allocation
r2 = 0.6 pval = 0.00018
y = 0.35 + 0.04745 * x
1975$ per kg (per GJ for BioeneryCrop)
0.46
0.45
0.44
0.43
1.6
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Legumes production vs allocation
r2 = 0.99 pval = 0
y = −0.03 + 0.144 * x
Mt (EJ for BioeneryCrop)
0.08
0.06
0.04
0.02
0.3
0.4
0.5
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Legumes price vs production
r2 = 0.99 pval = 0
y = 0.22 + 15.78478 * x
1975$ per kg (per GJ for BioeneryCrop)
1.75
1.50
1.25
1.00
0.75
0.02
0.04
0.06
0.08
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Legumes price vs allocation
r2 = 0.97 pval = 0
y = −0.2 + 2.26783 * x
1975$ per kg (per GJ for BioeneryCrop)
1.75
1.50
1.25
1.00
0.75
0.50
0.3
0.4
0.5
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern MiscCrop production vs allocation
r2 = 0.97 pval = 0
y = 0.05 + 0.018 * x
Mt (EJ for BioeneryCrop)
0.18
0.15
0.12
0.09
2
4
6
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern MiscCrop price vs production
r2 = 0.98 pval = 0
y = 1.97 + −4.53412 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.5
1.4
1.3
1.2
0.075
0.100
0.125
0.150
0.175
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern MiscCrop price vs allocation
r2 = 0.97 pval = 0
y = 1.74 + −0.08107 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.5
1.4
1.3
1.2
2
4
6
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern NutsSeeds production vs allocation
r2 = 0.43 pval = 0.00293
y = 0.02 + −0.711 * x
Mt (EJ for BioeneryCrop)
0.009
0.008
0.007
0.006
0.005
0.014
0.015
0.016
0.017
0.018
0.019
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern NutsSeeds price vs production
r2 = 0.82 pval = 0
y = −1.74 + 440.10532 * x
1975$ per kg (per GJ for BioeneryCrop)
2
1
0.005
0.006
0.007
0.008
0.009
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern NutsSeeds price vs allocation
r2 = 0.79 pval = 0
y = 9.21 + −467.94341 * x
1975$ per kg (per GJ for BioeneryCrop)
2
1
0.014
0.015
0.016
0.017
0.018
0.019
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OilCrop production vs allocation
r2 = 0.99 pval = 0
y = 0.17 + 0.185 * x
Mt (EJ for BioeneryCrop)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
1
2
3
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OilCrop price vs production
r2 = 0.96 pval = 0
y = 0.02 + 0.46801 * x
1975$ per kg (per GJ for BioeneryCrop)
0.45
0.40
0.35
0.30
0.25
0.20
0.4
0.5
0.6
0.7
0.8
0.9
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern OilCrop price vs allocation
r2 = 0.94 pval = 0
y = 0.1 + 0.08615 * x
1975$ per kg (per GJ for BioeneryCrop)
0.45
0.40
0.35
0.30
0.25
0.20
1
2
3
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OilPalm production vs allocation
r2 = 1 pval = 0
y = −0.42 + 1.801 * x
Mt (EJ for BioeneryCrop)
3
2
1
0.5
1.0
1.5
2.0
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OilPalm price vs production
r2 = 0.98 pval = 0
y = 0.07 + 0.02441 * x
1975$ per kg (per GJ for BioeneryCrop)
0.14
0.12
0.10
0.08
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern OilPalm price vs allocation
r2 = 0.97 pval = 0
y = 0.06 + 0.04382 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.13
0.11
0.09
0.5
1.0
1.5
2.0
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OtherGrain production vs allocation
r2 = 0.99 pval = 0
y = −0.22 + 0.771 * x
Mt (EJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.40
0.45
0.50
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern OtherGrain price vs production
r2 = 0.69 pval = 2e−05
y = 0.09 + 0.20396 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
0.11
0.10
0.15
0.20
0.25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern OtherGrain price vs allocation
r2 = 0.66 pval = 4e−05
y = 0.05 + 0.15441 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
0.11
0.40
0.45
0.50
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Rice production vs allocation
r2 = 0.58 pval = 0.00023
y = 12.66 + −2.362 * x
Mt (EJ for BioeneryCrop)
4
3
2
3.6
3.9
4.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Rice price vs production
r2 = 0.85 pval = 0
y = −0.1 + 0.23109 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
2.0
2.5
3.0
3.5
4.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Rice price vs allocation
r2 = 0.69 pval = 2e−05
y = 3.21 + −0.64565 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
3.6
3.9
4.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern RootTuber production vs allocation
r2 = 0.7 pval = 1e−05
y = 4.19 + −3.352 * x
Mt (EJ for BioeneryCrop)
2.0
1.8
1.6
1.4
1.2
0.70
0.75
0.80
0.85
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern RootTuber price vs production
r2 = 0.81 pval = 0
y = 0.25 + 0.06328 * x
1975$ per kg (per GJ for BioeneryCrop)
0.38
0.36
0.34
1.2
1.4
1.6
1.8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern RootTuber price vs allocation
r2 = 0.78 pval = 0
y = 0.54 + −0.24839 * x
1975$ per kg (per GJ for BioeneryCrop)
0.38
0.37
0.36
0.35
0.34
0.70
0.75
0.80
0.85
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Soybean production vs allocation
r2 = 0.98 pval = 0
y = −0.03 + 0.439 * x
Mt (EJ for BioeneryCrop)
0.05
0.04
0.03
0.02
0.01
0.09
0.12
0.15
0.18
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Soybean price vs production
r2 = 0.8 pval = 0
y = 0.16 + 6.47549 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.3
0.4
0.5
0.01
0.02
0.03
0.04
0.05
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Soybean price vs allocation
r2 = 0.69 pval = 2e−05
y = 0.01 + 2.66791 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.09
0.12
0.15
0.18
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern SugarCrop production vs allocation
r2 = 0.99 pval = 0
y = −8.45 + 11.715 * x
Mt (EJ for BioeneryCrop)
25
20
15
10
1.6
2.0
2.4
2.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern SugarCrop price vs production
r2 = 0.94 pval = 0
y = 0.04 + 0.00345 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
10
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern SugarCrop price vs allocation
r2 = 0.9 pval = 0
y = 0.02 + 0.0396 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
1.6
2.0
2.4
2.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Vegetables production vs allocation
r2 = 0.47 pval = 0.00168
y = −1.1 + 4.382 * x
Mt (EJ for BioeneryCrop)
2.8
2.4
2.0
1.6
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.38 + 0.03019 * x
1975$ per kg (per GJ for BioeneryCrop)
0.45
0.44
0.43
0.42
1.50
1.75
2.00
2.25
2.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Vegetables price vs allocation
r2 = 0.33 pval = 0.01238
y = 0.36 + 0.11379 * x
1975$ per kg (per GJ for BioeneryCrop)
0.46
0.45
0.44
0.43
0.6
0.7
0.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Wheat production vs allocation
r2 = 0.99 pval = 0
y = 0 + 1.112 * x
Mt (EJ for BioeneryCrop)
0.000
0.001
0.002
0.003
0.001
0.002
0.003
thousand km^2
year
2100
2080
2060
2040
2020

South America_Northern Wheat price vs production
r2 = 0.85 pval = 0
y = 0.14 + 57.297 * x
1975$ per kg (per GJ for BioeneryCrop)
0.35
0.30
0.25
0.20
0.15
0.001
0.002
0.003
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Northern Wheat price vs allocation
r2 = 0.79 pval = 0
y = 0.1 + 61.95498 * x
1975$ per kg (per GJ for BioeneryCrop)
0.35
0.30
0.25
0.20
0.15
0.001
0.002
0.003
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern BioenergyCrop production vs allocation
r2 = 0.96 pval = 0
y = −0.1 + 0.018 * x
Mt (EJ for BioeneryCrop)
thousand km^2
0
1
2
3
0
50
100
150
200
year
2100
2080
2060
2040
2020

South America_Southern BioenergyCrop price vs production
r2 = 0.74 pval = 0
y = 0.93 + 2.43175 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
1
2
3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern BioenergyCrop price vs allocation
r2 = 0.58 pval = 0.00025
y = 1.27 + 0.0401 * x
1975$ per kg (per GJ for BioeneryCrop)
10.0
7.5
5.0
2.5
0
50
100
150
200
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Corn production vs allocation
r2 = 0.78 pval = 0
y = −30.9 + 2.431 * x
Mt (EJ for BioeneryCrop)
22.5
20.0
17.5
15.0
12.5
10.0
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Corn price vs production
r2 = 0.78 pval = 0
y = −0.05 + 0.00945 * x
1975$ per kg (per GJ for BioeneryCrop)
0.175
0.150
0.125
0.100
0.075
0.050
10.0
12.5
15.0
17.5
20.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Corn price vs allocation
r2 = 0.33 pval = 0.01192
y = −0.22 + 0.01699 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.12
0.09
17
18
19
20
21
22
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern FiberCrop production vs allocation
r2 = 0.3 pval = 0.01822
y = −0.74 + 0.719 * x
Mt (EJ for BioeneryCrop)
0.45
0.40
0.35
0.30
1.50
1.55
1.60
1.65
1.70
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern FiberCrop price vs production
r2 = 0.6 pval = 0.00016
y = −0.2 + 1.40827 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.30
0.35
0.40
0.45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern FiberCrop price vs allocation
r2 = 0 pval = 0.93998
y = 0.47 + −0.04548 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
1.50
1.55
1.60
1.65
1.70
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern FodderGrass production vs allocation
r2 = 1 pval = 0
y = −4.76 + 2.938 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
15
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern FodderGrass price vs production
r2 = 0.7 pval = 2e−05
y = −0.08 + 0.00241 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern FodderGrass price vs allocation
r2 = 0.72 pval = 1e−05
y = −0.09 + 0.00722 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
15
18
21
24
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern FodderHerb production vs allocation
r2 = 1 pval = 0
y = −6.68 + 6.941 * x
Mt (EJ for BioeneryCrop)
thousand km^2
40
30
20
10
3
4
5
6
7
year
2100
2080
2060
2040
2020

South America_Southern FodderHerb price vs production
r2 = 0.86 pval = 0
y = 0.01 + 0.00224 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
20
30
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern FodderHerb price vs allocation
r2 = 0.85 pval = 0
y = 0 + 0.01545 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
3
4
5
6
7
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Fruits production vs allocation
r2 = 0.95 pval = 0
y = −234.49 + 17.934 * x
Mt (EJ for BioeneryCrop)
45
40
35
30
25
14.50
14.75
15.00
15.25
15.50
15.75
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Fruits price vs production
r2 = 0.95 pval = 0
y = 0.11 + 0.00157 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.17
0.16
0.15
25
30
35
40
45
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Fruits price vs allocation
r2 = 0.97 pval = 0
y = −0.27 + 0.02907 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.17
0.16
0.15
14.50
14.75
15.00
15.25
15.50
15.75
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Legumes production vs allocation
r2 = 0.91 pval = 0
y = −1.88 + 0.656 * x
Mt (EJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.4
3.5
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Legumes price vs production
r2 = 0.92 pval = 0
y = −0.21 + 0.67101 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.5
0.7
0.9
1.1
1.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Legumes price vs allocation
r2 = 0.75 pval = 0
y = −1.37 + 0.41486 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
3.5
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern MiscCrop production vs allocation
r2 = 0.98 pval = 0
y = 0.12 + 0.072 * x
Mt (EJ for BioeneryCrop)
1.75
1.50
1.25
1.00
0.75
10
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern MiscCrop price vs production
r2 = 0.86 pval = 0
y = 0.53 + −0.03057 * x
1975$ per kg (per GJ for BioeneryCrop)
0.51
0.50
0.49
0.48
0.47
0.75
1.00
1.25
1.50
1.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern MiscCrop price vs allocation
r2 = 0.92 pval = 0
y = 0.53 + −0.00232 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.49
0.48
0.47
10
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern NutsSeeds production vs allocation
r2 = 0.6 pval = 0.00016
y = −1.4 + 1.034 * x
Mt (EJ for BioeneryCrop)
1.0
0.8
0.6
0.4
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern NutsSeeds price vs production
r2 = 0.78 pval = 0
y = −1.97 + 6.7633 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
3
4
5
0.4
0.6
0.8
1.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern NutsSeeds price vs allocation
r2 = 0.19 pval = 0.07239
y = −5.97 + 4.42351 * x
1975$ per kg (per GJ for BioeneryCrop)
5
4
3
2
1
1.8
2.0
2.2
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OilCrop production vs allocation
r2 = 0.26 pval = 0.02913
y = −0.52 + 0.474 * x
Mt (EJ for BioeneryCrop)
1.75
1.50
1.25
1.00
4.0
4.4
4.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OilCrop price vs production
r2 = 0.7 pval = 1e−05
y = −0.21 + 0.36609 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
1.00
1.25
1.50
1.75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern OilCrop price vs allocation
r2 = 0 pval = 0.93712
y = 0.42 + −0.00808 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
4.0
4.4
4.8
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OilPalm production vs allocation
r2 = 0.98 pval = 0
y = −7.37 + 3.49 * x
Mt (EJ for BioeneryCrop)
20
10
4
6
8
10
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OilPalm price vs production
r2 = 0.65 pval = 5e−05
y = 0.03 + 0.0019 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
5
10
15
20
25
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern OilPalm price vs allocation
r2 = 0.51 pval = 0.00084
y = 0.02 + 0.00595 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
0.05
0.04
4
6
8
10
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OtherGrain production vs allocation
r2 = 0.99 pval = 0
y = −0.05 + 0.34 * x
Mt (EJ for BioeneryCrop)
4.5
4.0
3.5
3.0
9
10
11
12
13
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern OtherGrain price vs production
r2 = 0.71 pval = 1e−05
y = −0.12 + 0.06316 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
3.0
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern OtherGrain price vs allocation
r2 = 0.78 pval = 0
y = −0.13 + 0.02261 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.10
9
10
11
12
13
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Rice production vs allocation
r2 = 0.68 pval = 3e−05
y = −13.18 + 2.387 * x
Mt (EJ for BioeneryCrop)
12
11
10
9
8
9.0
9.5
10.0
10.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Rice price vs production
r2 = 0.55 pval = 0.00044
y = −0.13 + 0.0273 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
8
9
10
11
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Rice price vs allocation
r2 = 0.06 pval = 0.31014
y = −0.11 + 0.02715 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.16
0.12
0.08
9.0
9.5
10.0
10.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern RootTuber production vs allocation
r2 = 0.99 pval = 0
y = −1.38 + 1.95 * x
Mt (EJ for BioeneryCrop)
24
20
16
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern RootTuber price vs production
r2 = 0.96 pval = 0
y = 0.04 + 0.0016 * x
1975$ per kg (per GJ for BioeneryCrop)
0.085
0.080
0.075
0.070
0.065
16
20
24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern RootTuber price vs allocation
r2 = 0.98 pval = 0
y = 0.04 + 0.00316 * x
1975$ per kg (per GJ for BioeneryCrop)
0.085
0.080
0.075
0.070
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Soybean production vs allocation
r2 = 0.31 pval = 0.01546
y = −3.95 + 0.735 * x
Mt (EJ for BioeneryCrop)
35
30
25
20
15
42
45
48
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Soybean price vs production
r2 = 0.06 pval = 0.33361
y = 0.1 + 0.00297 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
15
20
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Soybean price vs allocation
r2 = 0.42 pval = 0.00346
y = 0.64 + −0.01046 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
42
45
48
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern SugarCrop production vs allocation
r2 = 0.98 pval = 0
y = −73.49 + 32.143 * x
Mt (EJ for BioeneryCrop)
70
60
50
40
3.3
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern SugarCrop price vs production
r2 = 0.76 pval = 0
y = 0 + 0.00047 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
40
50
60
70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern SugarCrop price vs allocation
r2 = 0.64 pval = 7e−05
y = −0.03 + 0.01392 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
3.3
3.6
3.9
4.2
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Vegetables production vs allocation
r2 = 1 pval = 0
y = −7.89 + 3.717 * x
Mt (EJ for BioeneryCrop)
14
12
10
8
4.0
4.5
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Vegetables price vs production
r2 = 0.96 pval = 0
y = 0.13 + 0.00263 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
8
10
12
14
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Vegetables price vs allocation
r2 = 0.97 pval = 0
y = 0.1 + 0.00988 * x
1975$ per kg (per GJ for BioeneryCrop)
0.165
0.160
0.155
0.150
0.145
4.0
4.5
5.0
5.5
6.0
thousand km^2
year
2100
2080
2060
2040
2020

South America_Southern Wheat production vs allocation
r2 = 1 pval = 0
y = −2.11 + 0.619 * x
Mt (EJ for BioeneryCrop)
thousand km^2
8
7
6
5
4
10
12
14
16
year
2100
2080
2060
2040
2020

South America_Southern Wheat price vs production
r2 = 0.74 pval = 0
y = −0.06 + 0.02514 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
0.04
4
5
6
7
8
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South America_Southern Wheat price vs allocation
r2 = 0.71 pval = 1e−05
y = −0.11 + 0.0153 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
10
12
14
16
thousand km^2
year
2100
2080
2060
2040
2020

South Asia BioenergyCrop production vs allocation
r2 = 0.95 pval = 0
y = 0 + 0.014 * x
Mt (EJ for BioeneryCrop)
0.0
0.1
0.2
0.3
0.4
0.5
0
10
20
30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia BioenergyCrop price vs production
r2 = 0.44 pval = 0.00271
y = 1.82 + 17.98045 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0.0
0.1
0.2
0.3
0.4
0.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia BioenergyCrop price vs allocation
r2 = 0.26 pval = 0.03071
y = 3.23 + 0.20389 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0
10
20
30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Corn production vs allocation
r2 = 0.76 pval = 0
y = −17 + 4.194 * x
Mt (EJ for BioeneryCrop)
20
15
10
5
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Corn price vs production
r2 = 0.95 pval = 0
y = −0.02 + 0.01348 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
8
12
16
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Corn price vs allocation
r2 = 0.86 pval = 0
y = −0.29 + 0.06161 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
6
7
8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia FiberCrop production vs allocation
r2 = 0.45 pval = 0.00221
y = 2.78 + −0.179 * x
Mt (EJ for BioeneryCrop)
2.3
2.2
2.1
2.0
1.9
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

South Asia FiberCrop price vs production
r2 = 0.19 pval = 0.07016
y = −0.55 + 0.35479 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
1.9
2.0
2.1
2.2
2.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia FiberCrop price vs allocation
r2 = 0.86 pval = 0
y = 0.93 + −0.19986 * x
1975$ per kg (per GJ for BioeneryCrop)
0.3
0.2
0.1
3.5
4.0
thousand km^2
year
2100
2080
2060
2040
2020

South Asia FodderGrass production vs allocation
r2 = 1 pval = 0
y = −0.1 + 3.732 * x
Mt (EJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.10
0.15
0.20
0.25
0.30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia FodderGrass price vs production
r2 = 0.8 pval = 0
y = −0.09 + 0.25946 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.00
0.4
0.6
0.8
1.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia FodderGrass price vs allocation
r2 = 0.82 pval = 0
y = −0.12 + 0.97758 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.00
0.10
0.15
0.20
0.25
0.30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Fruits production vs allocation
r2 = 0.99 pval = 0
y = −19.19 + 3.416 * x
Mt (EJ for BioeneryCrop)
30
25
20
15
10
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Fruits price vs production
r2 = 0.96 pval = 0
y = 0.12 + 0.00286 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
10
15
20
25
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Fruits price vs allocation
r2 = 0.98 pval = 0
y = 0.06 + 0.00991 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.18
0.16
8
10
12
14
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Legumes production vs allocation
r2 = 0.41 pval = 0.00394
y = −2.38 + 1.044 * x
Mt (EJ for BioeneryCrop)
1.50
1.25
1.00
0.75
3.4
3.6
3.8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Legumes price vs production
r2 = 0.89 pval = 0
y = −1.04 + 1.25882 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.3
0.6
0.9
0.75
1.00
1.25
1.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Legumes price vs allocation
r2 = 0.31 pval = 0.01543
y = −3.69 + 1.21682 * x
1975$ per kg (per GJ for BioeneryCrop)
1.0
0.8
0.6
0.4
0.2
3.4
3.6
3.8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia MiscCrop production vs allocation
r2 = 0.8 pval = 0
y = 1.41 + 0.021 * x
Mt (EJ for BioeneryCrop)
2.00
1.75
1.50
1.25
10
20
30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia MiscCrop price vs production
r2 = 0.62 pval = 0.00011
y = 0.38 + 0.22625 * x
1975$ per kg (per GJ for BioeneryCrop)
0.90
0.85
0.80
0.75
0.70
1.4
1.6
1.8
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia MiscCrop price vs allocation
r2 = 0.9 pval = 0
y = 0.66 + 0.00635 * x
1975$ per kg (per GJ for BioeneryCrop)
0.90
0.85
0.80
0.75
0.70
10
20
30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia NutsSeeds production vs allocation
r2 = 0 pval = 0.78831
y = 1 + −0.094 * x
Mt (EJ for BioeneryCrop)
0.7
0.6
0.5
3.4
3.5
3.6
thousand km^2
year
2100
2080
2060
2040
2020

South Asia NutsSeeds price vs production
r2 = 0.83 pval = 0
y = −9.37 + 20.26804 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
0
0.5
0.6
0.7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia NutsSeeds price vs allocation
r2 = 0.13 pval = 0.14403
y = 43.11 + −11.08529 * x
1975$ per kg (per GJ for BioeneryCrop)
6
4
2
3.4
3.5
3.6
thousand km^2
year
2100
2080
2060
2040
2020

South Asia OilCrop production vs allocation
r2 = 0.29 pval = 0.02041
y = −14.84 + 2.378 * x
Mt (EJ for BioeneryCrop)
7
6
5
4
8.00
8.25
8.50
8.75
9.00
9.25
thousand km^2
year
2100
2080
2060
2040
2020

South Asia OilCrop price vs production
r2 = 0.85 pval = 0
y = −0.52 + 0.14798 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0
0.2
0.4
0.6
4
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia OilCrop price vs allocation
r2 = 0.05 pval = 0.38699
y = −0.96 + 0.15327 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
8.00
8.25
8.50
8.75
9.00
9.25
thousand km^2
year
2100
2080
2060
2040
2020

South Asia OtherGrain production vs allocation
r2 = 0.98 pval = 0
y = 1.59 + −0.234 * x
Mt (EJ for BioeneryCrop)
1.1
1.0
0.9
0.8
2.0
2.5
3.0
3.5
thousand km^2
year
2100
2080
2060
2040
2020

South Asia OtherGrain price vs production
r2 = 0.65 pval = 5e−05
y = −0.35 + 0.50194 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
0.8
0.9
1.0
1.1
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia OtherGrain price vs allocation
r2 = 0.67 pval = 3e−05
y = 0.45 + −0.12036 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
2.0
2.5
3.0
3.5
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Rice production vs allocation
r2 = 0.67 pval = 3e−05
y = 121.77 + −0.951 * x
Mt (EJ for BioeneryCrop)
80
75
70
65
44
48
52
56
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Rice price vs production
r2 = 0.47 pval = 0.00167
y = −0.59 + 0.01023 * x
1975$ per kg (per GJ for BioeneryCrop)
0.2
0.1
65
70
75
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Rice price vs allocation
r2 = 0.89 pval = 0
y = 0.98 + −0.01633 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
44
48
52
56
thousand km^2
year
2100
2080
2060
2040
2020

South Asia RootTuber production vs allocation
r2 = 0.89 pval = 0
y = 32.94 + −3.922 * x
Mt (EJ for BioeneryCrop)
19
18
17
16
15
14
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South Asia RootTuber price vs production
r2 = 0.87 pval = 0
y = −0.06 + 0.00822 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
0.05
14
15
16
17
18
19
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia RootTuber price vs allocation
r2 = 0.7 pval = 2e−05
y = 0.2 + −0.03071 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
4.0
4.5
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Soybean production vs allocation
r2 = 0.85 pval = 0
y = 0.09 + 0.163 * x
Mt (EJ for BioeneryCrop)
0.14
0.13
0.12
0.11
0.15
0.20
0.25
0.30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Soybean price vs production
r2 = 0.95 pval = 0
y = 2.36 + −16.02405 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.11
0.12
0.13
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Soybean price vs allocation
r2 = 0.85 pval = 0
y = 1.01 + −2.68519 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.1
0.15
0.20
0.25
0.30
thousand km^2
year
2100
2080
2060
2040
2020

South Asia SugarCrop production vs allocation
r2 = 1 pval = 0
y = −17.09 + 29.412 * x
Mt (EJ for BioeneryCrop)
30
20
10
0.8
1.0
1.2
1.4
1.6
1.8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia SugarCrop price vs production
r2 = 0.91 pval = 0
y = 0 + 0.00086 * x
1975$ per kg (per GJ for BioeneryCrop)
0.035
0.030
0.025
0.020
0.015
0.010
10
20
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia SugarCrop price vs allocation
r2 = 0.92 pval = 0
y = −0.02 + 0.02542 * x
1975$ per kg (per GJ for BioeneryCrop)
0.03
0.02
0.01
0.8
1.0
1.2
1.4
1.6
1.8
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Vegetables production vs allocation
r2 = 0.99 pval = 0
y = −17.96 + 6.011 * x
Mt (EJ for BioeneryCrop)
50
40
30
20
10
6
8
10
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Vegetables price vs production
r2 = 0.95 pval = 0
y = 0.09 + 0.00178 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
20
30
40
50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Vegetables price vs allocation
r2 = 0.97 pval = 0
y = 0.05 + 0.01083 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
6
8
10
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Wheat production vs allocation
r2 = 0.48 pval = 0.00154
y = 6.25 + 0.092 * x
Mt (EJ for BioeneryCrop)
8.5
8.0
7.5
7.0
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

South Asia Wheat price vs production
r2 = 0.82 pval = 0
y = 0.92 + −0.0967 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
7.0
7.5
8.0
8.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Asia Wheat price vs allocation
r2 = 0.83 pval = 0
y = 0.38 + −0.01301 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
15
20
25
thousand km^2
year
2100
2080
2060
2040
2020

South Korea BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.02 + 0.029 * x
Mt (EJ for BioeneryCrop)
0.0
0.2
0.4
0.6
0
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

South Korea BioenergyCrop price vs production
r2 = 0.99 pval = 0
y = 2.15 + 11.3909 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0.0
0.2
0.4
0.6
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea BioenergyCrop price vs allocation
r2 = 0.98 pval = 0
y = 1.91 + 0.3284 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
5
10
15
20
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Corn production vs allocation
r2 = 1 pval = 0
y = −0.05 + 0.795 * x
Mt (EJ for BioeneryCrop)
0.1
0.2
0.3
0.2
0.3
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Corn price vs production
r2 = 0.95 pval = 0
y = 0.2 + 1.36247 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.1
0.2
0.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Corn price vs allocation
r2 = 0.95 pval = 0
y = 0.13 + 1.08799 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.3
0.4
0.5
thousand km^2
year
2100
2080
2060
2040
2020

South Korea FiberCrop production vs allocation
r2 = 1 pval = 0
y = 0 + 0.49 * x
Mt (EJ for BioeneryCrop)
0.004
0.003
0.002
0.004
0.005
0.006
0.007
0.008
0.009
thousand km^2
year
2100
2080
2060
2040
2020

South Korea FiberCrop price vs production
r2 = 0.97 pval = 0
y = 0.1 + 369.58962 * x
1975$ per kg (per GJ for BioeneryCrop)
1.4
1.2
1.0
0.8
0.6
0.0015
0.0020
0.0025
0.0030
0.0035
0.0040
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea FiberCrop price vs allocation
r2 = 0.96 pval = 0
y = −0.1 + 180.0561 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.4
1.2
1.0
0.8
0.6
0.004
0.005
0.006
0.007
0.008
0.009
thousand km^2
year
2100
2080
2060
2040
2020

South Korea FodderGrass production vs allocation
r2 = 1 pval = 0
y = −0.03 + 1.775 * x
Mt (EJ for BioeneryCrop)
0.20
0.16
0.12
0.08
0.08
0.10
0.12
0.14
thousand km^2
year
2100
2080
2060
2040
2020

South Korea FodderGrass price vs production
r2 = 0.99 pval = 0
y = 0.11 + 1.81224 * x
1975$ per kg (per GJ for BioeneryCrop)
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.08
0.12
0.16
0.20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea FodderGrass price vs allocation
r2 = 0.98 pval = 0
y = 0.05 + 3.20606 * x
1975$ per kg (per GJ for BioeneryCrop)
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.08
0.10
0.12
0.14
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Fruits production vs allocation
r2 = 0.41 pval = 0.00448
y = 1.96 + 0.609 * x
Mt (EJ for BioeneryCrop)
3.1
3.0
2.9
2.8
2.7
2.6
2.5
1.2
1.4
1.6
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Fruits price vs production
r2 = 0.02 pval = 0.62144
y = 0.98 + 0.0118 * x
1975$ per kg (per GJ for BioeneryCrop)
1.04
1.03
1.02
1.01
1.00
0.99
2.5
2.6
2.7
2.8
2.9
3.0
3.1
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Fruits price vs allocation
r2 = 0.39 pval = 0.00555
y = 1.11 + −0.05647 * x
1975$ per kg (per GJ for BioeneryCrop)
1.04
1.03
1.02
1.01
1.00
0.99
1.2
1.4
1.6
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Legumes production vs allocation
r2 = 1 pval = 0
y = −0.02 + 0.289 * x
0.09
0.07
0.05
0.03
Mt (EJ for BioeneryCrop)
0.2
0.3
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Legumes price vs production
r2 = 0.95 pval = 0
y = 0.79 + 17.81919 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
0.03
0.05
0.07
0.09
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Legumes price vs allocation
r2 = 0.94 pval = 0
y = 0.39 + 5.13406 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
0.2
0.3
thousand km^2
year
2100
2080
2060
2040
2020

South Korea MiscCrop production vs allocation
r2 = 0.12 pval = 0.15983
y = 0.12 + −0.376 * x
Mt (EJ for BioeneryCrop)
0.06
0.05
0.04
0.160
0.165
0.170
0.175
0.180
0.185
thousand km^2
year
2100
2080
2060
2040
2020

South Korea MiscCrop price vs production
r2 = 0.81 pval = 0
y = 3.55 + 5.21483 * x
1975$ per kg (per GJ for BioeneryCrop)
3.90
3.85
3.80
3.75
0.04
0.05
0.06
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea MiscCrop price vs allocation
r2 = 0.31 pval = 0.01719
y = 4.45 + −3.48302 * x
1975$ per kg (per GJ for BioeneryCrop)
3.92
3.88
3.84
3.80
0.160
0.165
0.170
0.175
0.180
0.185
thousand km^2
year
2100
2080
2060
2040
2020

South Korea NutsSeeds production vs allocation
r2 = 1 pval = 0
y = −0.09 + 0.353 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.2
0.1
0.6
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

South Korea NutsSeeds price vs production
r2 = 0.94 pval = 0
y = 0.53 + 30.95608 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
0.1
0.2
0.3
0.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea NutsSeeds price vs allocation
r2 = 0.95 pval = 0
y = −2.23 + 10.96453 * x
1975$ per kg (per GJ for BioeneryCrop)
12.5
10.0
7.5
5.0
2.5
0.6
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

South Korea OilCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.09 + 0.206 * x
Mt (EJ for BioeneryCrop)
0.20
0.15
0.10
0.05
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

South Korea OilCrop price vs production
r2 = 0.92 pval = 0
y = 0.85 + 9.83592 * x
1975$ per kg (per GJ for BioeneryCrop)
3.0
2.5
2.0
1.5
0.10
0.15
0.20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea OilCrop price vs allocation
r2 = 0.92 pval = 0
y = −0.03 + 2.03814 * x
1975$ per kg (per GJ for BioeneryCrop)
3.0
2.5
2.0
1.5
0.8
1.0
1.2
1.4
thousand km^2
year
2100
2080
2060
2040
2020

South Korea OtherGrain production vs allocation
r2 = 1 pval = 0
y = −0.06 + 0.333 * x
Mt (EJ for BioeneryCrop)
0.20
0.15
0.10
0.5
0.6
0.7
0.8
0.9
thousand km^2
year
2100
2080
2060
2040
2020

South Korea OtherGrain price vs production
r2 = 0.95 pval = 0
y = 0.12 + 1.55114 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.45
0.40
0.35
0.30
0.10
0.15
0.20
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea OtherGrain price vs allocation
r2 = 0.94 pval = 0
y = 0.02 + 0.51392 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.45
0.40
0.35
0.30
0.5
0.6
0.7
0.8
0.9
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Rice production vs allocation
r2 = 0.29 pval = 0.02117
y = 10.18 + −0.511 * x
Mt (EJ for BioeneryCrop)
6.50
6.25
6.00
5.75
7.2
7.5
7.8
8.1
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Rice price vs production
r2 = 0.83 pval = 0
y = −0.99 + 0.25457 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
5.75
6.00
6.25
6.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Rice price vs allocation
r2 = 0.65 pval = 5e−05
y = 2.24 + −0.21333 * x
1975$ per kg (per GJ for BioeneryCrop)
0.75
0.70
0.65
0.60
0.55
0.50
7.2
7.5
7.8
8.1
thousand km^2
year
2100
2080
2060
2040
2020

South Korea RootTuber production vs allocation
r2 = 0.99 pval = 0
y = −1.36 + 5.555 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
1.0
0.5
0.6
0.7
thousand km^2
year
2100
2080
2060
2040
2020

South Korea RootTuber price vs production
r2 = 0.98 pval = 0
y = 0.36 + 0.02576 * x
1975$ per kg (per GJ for BioeneryCrop)
0.43
0.42
0.41
0.40
0.39
0.38
1.0
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea RootTuber price vs allocation
r2 = 0.98 pval = 0
y = 0.32 + 0.1444 * x
1975$ per kg (per GJ for BioeneryCrop)
0.43
0.42
0.41
0.40
0.39
0.38
0.5
0.6
0.7
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Soybean production vs allocation
r2 = 1 pval = 0
y = −0.11 + 0.352 * x
Mt (EJ for BioeneryCrop)
0.1
0.2
0.3
0.6
0.8
1.0
1.2
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Soybean price vs production
r2 = 0.95 pval = 0
y = 0.12 + 3.22582 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.1
0.2
0.3
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Soybean price vs allocation
r2 = 0.93 pval = 0
y = −0.21 + 1.12039 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.6
0.8
1.0
1.2
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Vegetables production vs allocation
r2 = 0.71 pval = 1e−05
y = 5.78 + 2.184 * x
Mt (EJ for BioeneryCrop)
12
11
10
9
1.75
2.00
2.25
2.50
2.75
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Vegetables price vs production
r2 = 0.1 pval = 0.19471
y = 0.63 + −0.00332 * x
1975$ per kg (per GJ for BioeneryCrop)
0.60
0.59
9
10
11
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Vegetables price vs allocation
r2 = 0.58 pval = 0.00024
y = 0.64 + −0.02046 * x
1975$ per kg (per GJ for BioeneryCrop)
0.60
0.59
0.58
1.75
2.00
2.25
2.50
2.75
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Wheat production vs allocation
r2 = 1 pval = 0
y = −0.02 + 0.562 * x
Mt (EJ for BioeneryCrop)
0.125
0.100
0.075
0.050
0.025
0.10
0.15
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

South Korea Wheat price vs production
r2 = 0.98 pval = 0
y = 0.16 + 5.10434 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.7
0.6
0.5
0.4
0.3
0.025
0.050
0.075
0.100
0.125
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

South Korea Wheat price vs allocation
r2 = 0.97 pval = 0
y = 0.04 + 2.86068 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.7
0.6
0.5
0.4
0.3
0.10
0.15
0.20
0.25
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia BioenergyCrop production vs allocation
r2 = 0.97 pval = 0
y = −0.11 + 0.027 * x
Mt (EJ for BioeneryCrop)
0
1
2
3
4
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia BioenergyCrop price vs production
r2 = 0.77 pval = 0
y = 0.59 + 1.83399 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
1
2
3
4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia BioenergyCrop price vs allocation
r2 = 0.62 pval = 1e−04
y = 0.92 + 0.04506 * x
1975$ per kg (per GJ for BioeneryCrop)
7.5
5.0
2.5
0
50
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Corn production vs allocation
r2 = 0.8 pval = 0
y = 137.7 + −2.575 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
39
40
41
42
43
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Corn price vs production
r2 = 0.92 pval = 0
y = −0.12 + 0.00732 * x
1975$ per kg (per GJ for BioeneryCrop)
0.175
0.150
0.125
0.100
0.075
0.050
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Corn price vs allocation
r2 = 0.79 pval = 0
y = 0.91 + −0.01945 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.15
0.12
0.09
39
40
41
42
43
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FiberCrop production vs allocation
r2 = 0.46 pval = 0.00198
y = 3.14 + −0.668 * x
Mt (EJ for BioeneryCrop)
1.0
0.9
0.8
0.7
3.2
3.3
3.4
3.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FiberCrop price vs production
r2 = 0.73 pval = 1e−05
y = −0.76 + 1.27544 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.7
0.8
0.9
1.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia FiberCrop price vs allocation
r2 = 0.75 pval = 0
y = 4.61 + −1.27324 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
3.2
3.3
3.4
3.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FodderGrass production vs allocation
r2 = 0.99 pval = 0
y = −4.97 + 3.208 * x
Mt (EJ for BioeneryCrop)
12
10
8
6
3.5
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FodderGrass price vs production
r2 = 0.94 pval = 0
y = −0.06 + 0.0117 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
8
10
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia FodderGrass price vs allocation
r2 = 0.95 pval = 0
y = −0.12 + 0.03798 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
0.025
3.5
4.0
4.5
5.0
5.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FodderHerb production vs allocation
r2 = 0.8 pval = 0
y = −0.12 + 3.187 * x
Mt (EJ for BioeneryCrop)
0.70
0.65
0.60
0.55
0.50
0.20
0.22
0.24
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia FodderHerb price vs production
r2 = 0.84 pval = 0
y = −0.12 + 0.32731 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.10
0.08
0.06
0.50
0.55
0.60
0.65
0.70
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia FodderHerb price vs allocation
r2 = 0.43 pval = 0.00291
y = −0.11 + 0.83893 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.20
0.22
0.24
0.26
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Fruits production vs allocation
r2 = 0.93 pval = 0
y = −164.34 + 4.914 * x
Mt (EJ for BioeneryCrop)
80
60
40
42.5
45.0
47.5
50.0
52.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Fruits price vs production
r2 = 0.97 pval = 0
y = 0.11 + 0.00054 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
50
60
70
80
90
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Fruits price vs allocation
r2 = 0.87 pval = 0
y = 0.02 + 0.0026 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
42.5
45.0
47.5
50.0
52.5
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Legumes production vs allocation
r2 = 0.21 pval = 0.05825
y = 20.83 + −0.297 * x
Mt (EJ for BioeneryCrop)
10
9
8
7
6
38
40
42
44
46
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Legumes price vs production
r2 = 0.93 pval = 0
y = −0.5 + 0.10475 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
6
7
8
9
10
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Legumes price vs allocation
r2 = 0.28 pval = 0.02475
y = 1.94 + −0.03732 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
38
40
42
44
46
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia MiscCrop production vs allocation
r2 = 0.27 pval = 0.02659
y = 24.88 + −0.193 * x
Mt (EJ for BioeneryCrop)
12
11
10
64
66
68
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia MiscCrop price vs production
r2 = 0.76 pval = 0
y = 0.32 + 0.01378 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.49
0.48
0.47
0.46
10
11
12
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia MiscCrop price vs allocation
r2 = 0.39 pval = 0.00551
y = 0.73 + −0.00368 * x
1975$ per kg (per GJ for BioeneryCrop)
0.50
0.49
0.48
0.47
64
66
68
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia NutsSeeds production vs allocation
r2 = 0.75 pval = 0
y = 4.52 + −0.091 * x
Mt (EJ for BioeneryCrop)
3.4
3.2
3.0
11
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia NutsSeeds price vs production
r2 = 0.75 pval = 0
y = −8.38 + 2.77151 * x
1975$ per kg (per GJ for BioeneryCrop)
1.5
1.0
0.5
0.0
3.0
3.2
3.4
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia NutsSeeds price vs allocation
r2 = 0.92 pval = 0
y = 5.02 + −0.32278 * x
1975$ per kg (per GJ for BioeneryCrop)
1.6
1.2
0.8
0.4
11
12
13
14
15
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OilCrop production vs allocation
r2 = 0.7 pval = 1e−05
y = −38.44 + 0.936 * x
Mt (EJ for BioeneryCrop)
35
30
25
64
68
72
76
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OilCrop price vs production
r2 = 0.94 pval = 0
y = −0.17 + 0.00984 * x
1975$ per kg (per GJ for BioeneryCrop)
0.20
0.15
0.10
0.05
25
30
35
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia OilCrop price vs allocation
r2 = 0.54 pval = 0.00049
y = −0.48 + 0.00834 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.12
0.08
64
68
72
76
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OilPalm production vs allocation
r2 = 0.88 pval = 0
y = −194.4 + 4.668 * x
Mt (EJ for BioeneryCrop)
600
400
200
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OilPalm price vs production
r2 = 0.62 pval = 1e−04
y = 0.02 + 0.00011 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
100
200
300
400
500
600
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia OilPalm price vs allocation
r2 = 0.31 pval = 0.01563
y = 0.02 + 0.00038 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
100
150
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OtherGrain production vs allocation
r2 = 1 pval = 0
y = −1.25 + 0.332 * x
Mt (EJ for BioeneryCrop)
2.5
2.0
1.5
8
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia OtherGrain price vs production
r2 = 0.97 pval = 0
y = 0.01 + 0.03725 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
1.5
2.0
2.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia OtherGrain price vs allocation
r2 = 0.97 pval = 0
y = −0.04 + 0.01242 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.09
0.08
0.07
0.06
0.05
8
9
10
11
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Rice production vs allocation
r2 = 0.62 pval = 1e−04
y = 291.99 + −0.484 * x
Mt (EJ for BioeneryCrop)
180
170
160
150
140
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Rice price vs production
r2 = 0.59 pval = 0.00021
y = −0.53 + 0.0042 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
140
150
160
170
180
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Rice price vs allocation
r2 = 0.92 pval = 0
y = 1 + −0.00324 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.20
0.16
0.12
0.08
240
260
280
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia RootTuber production vs allocation
r2 = 0.85 pval = 0
y = −187.02 + 10.08 * x
Mt (EJ for BioeneryCrop)
150
120
90
60
26
28
30
32
34
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia RootTuber price vs production
r2 = 0.98 pval = 0
y = 0.03 + 0.00013 * x
1975$ per kg (per GJ for BioeneryCrop)
0.052
0.048
0.044
0.040
60
80
100
120
140
160
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia RootTuber price vs allocation
r2 = 0.94 pval = 0
y = 0 + 0.00144 * x
1975$ per kg (per GJ for BioeneryCrop)
0.052
0.048
0.044
0.040
26
28
30
32
34
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Soybean production vs allocation
r2 = 0.21 pval = 0.05473
y = 0.81 + 0.028 * x
Mt (EJ for BioeneryCrop)
0.96
0.92
0.88
0.84
3.0
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Soybean price vs production
r2 = 0.32 pval = 0.01384
y = 1.47 + −1.30292 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.84
0.88
0.92
0.96
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Soybean price vs allocation
r2 = 0.95 pval = 0
y = 0.78 + −0.1338 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
0.1
3.0
3.5
4.0
4.5
5.0
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia SugarCrop production vs allocation
r2 = 0.9 pval = 0
y = −61.77 + 13.511 * x
Mt (EJ for BioeneryCrop)
700
600
500
400
300
200
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia SugarCrop price vs production
r2 = 0.22 pval = 0.05043
y = 0.01 + 2e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.015
0.010
200
300
400
500
600
700
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia SugarCrop price vs allocation
r2 = 0.03 pval = 0.48272
y = 0.01 + 9e−05 * x
1975$ per kg (per GJ for BioeneryCrop)
0.020
0.015
0.010
20
30
40
50
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Vegetables production vs allocation
r2 = 0.96 pval = 0
y = −127.45 + 6.21 * x
Mt (EJ for BioeneryCrop)
80
70
60
50
40
26
28
30
32
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Vegetables price vs production
r2 = 0.92 pval = 0
y = 0.09 + 0.00074 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
40
50
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Vegetables price vs allocation
r2 = 0.86 pval = 0
y = 0 + 0.00457 * x
1975$ per kg (per GJ for BioeneryCrop)
0.15
0.14
0.13
0.12
26
28
30
32
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Wheat production vs allocation
r2 = 0.86 pval = 0
y = −0.83 + 1.049 * x
Mt (EJ for BioeneryCrop)
0.4
0.3
0.2
1.00
1.05
1.10
1.15
1.20
thousand km^2
year
2100
2080
2060
2040
2020

Southeast Asia Wheat price vs production
r2 = 0.84 pval = 0
y = −0.04 + 0.44866 * x
1975$ per kg (per GJ for BioeneryCrop)
0.175
0.150
0.125
0.100
0.075
0.050
0.20
0.25
0.30
0.35
0.40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Southeast Asia Wheat price vs allocation
r2 = 0.51 pval = 0.00094
y = −0.33 + 0.39434 * x
1975$ per kg (per GJ for BioeneryCrop)
0.18
0.15
0.12
0.09
0.06
1.00
1.05
1.10
1.15
1.20
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan BioenergyCrop production vs allocation
r2 = 1 pval = 0
y = 0 + 0.021 * x
Mt (EJ for BioeneryCrop)
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan BioenergyCrop price vs production
r2 = 0.18 pval = 0.08319
y = 6.31 + 64.02151 * x
1975$ per kg (per GJ for BioeneryCrop)
12
9
6
3
0.00
0.02
0.04
0.06
0.08
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan BioenergyCrop price vs allocation
r2 = 0.13 pval = 0.13478
y = 6.65 + 1.16292 * x
1975$ per kg (per GJ for BioeneryCrop)
9
6
3
0
1
2
3
4
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Corn production vs allocation
r2 = 0.74 pval = 0
y = 0.72 + −4.057 * x
Mt (EJ for BioeneryCrop)
0.24
0.22
0.20
0.18
0.16
0.120
0.125
0.130
0.135
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Corn price vs production
r2 = 0.91 pval = 0
y = −0.29 + 2.28879 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.16
0.18
0.20
0.22
0.24
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Corn price vs allocation
r2 = 0.88 pval = 0
y = 1.52 + −10.6032 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.120
0.125
0.130
0.135
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan FiberCrop production vs allocation
r2 = 0.1 pval = 0.20273
y = 0 + 0.168 * x
Mt (EJ for BioeneryCrop)
0.00095
0.00090
0.00085
0.00080
0.00075
0.00070
0.0026
0.0027
0.0028
0.0029
0.0030
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan FiberCrop price vs production
r2 = 0.68 pval = 2e−05
y = −2.63 + 3994.60355 * x
1975$ per kg (per GJ for BioeneryCrop)
1.25
1.00
0.75
0.50
0.25
0.00070
0.00075
0.00080
0.00085
0.00090
0.00095
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan FiberCrop price vs allocation
r2 = 0.02 pval = 0.54258
y = 1.96 + −396.10559 * x
1975$ per kg (per GJ for BioeneryCrop)
1.2
1.0
0.8
0.6
0.4
0.0026
0.0027
0.0028
0.0029
0.0030
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Fruits production vs allocation
r2 = 0.92 pval = 0
y = 5.39 + −2.277 * x
Mt (EJ for BioeneryCrop)
3.0
2.8
2.6
2.4
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Fruits price vs production
r2 = 0.95 pval = 0
y = 0.1 + 0.05653 * x
1975$ per kg (per GJ for BioeneryCrop)
0.24
0.25
0.26
0.27
2.5
2.6
2.7
2.8
2.9
3.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Fruits price vs allocation
r2 = 0.82 pval = 0
y = 0.4 + −0.12459 * x
1975$ per kg (per GJ for BioeneryCrop)
0.27
0.26
0.25
0.24
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Legumes production vs allocation
r2 = 0.47 pval = 0.00165
y = −0.02 + 1.232 * x
Mt (EJ for BioeneryCrop)
0.020
0.018
0.016
0.014
0.012
0.029
0.030
0.031
0.032
0.033
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Legumes price vs production
r2 = 0.89 pval = 0
y = −0.99 + 94.67459 * x
1975$ per kg (per GJ for BioeneryCrop)
1.00
0.75
0.50
0.25
0.012
0.014
0.016
0.018
0.020
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Legumes price vs allocation
r2 = 0.2 pval = 0.06027
y = −1.9 + 81.37324 * x
1975$ per kg (per GJ for BioeneryCrop)
0.8
0.6
0.4
0.029
0.030
0.031
0.032
0.033
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan MiscCrop production vs allocation
r2 = 0.71 pval = 1e−05
y = 0.02 + 0.332 * x
Mt (EJ for BioeneryCrop)
0.045
0.040
0.035
0.04
0.05
0.06
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan MiscCrop price vs production
r2 = 0.5 pval = 0.00097
y = 1.74 + −10.65386 * x
1975$ per kg (per GJ for BioeneryCrop)
1.35
1.30
1.25
1.20
0.035
0.040
0.045
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan MiscCrop price vs allocation
r2 = 0.95 pval = 0
y = 1.59 + −5.77434 * x
1975$ per kg (per GJ for BioeneryCrop)
1.35
1.30
1.25
1.20
0.04
0.05
0.06
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan NutsSeeds production vs allocation
r2 = 0.17 pval = 0.09064
y = 0.25 + −0.084 * x
Mt (EJ for BioeneryCrop)
0.21
0.20
0.19
0.18
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan NutsSeeds price vs production
r2 = 0.39 pval = 0.00545
y = −5.84 + 34.74685 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.18
0.19
0.20
0.21
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan NutsSeeds price vs allocation
r2 = 0.9 pval = 0
y = 6.7 + −10.79722 * x
1975$ per kg (per GJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.45
0.50
0.55
0.60
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan OilCrop production vs allocation
r2 = 0.19 pval = 0.06912
y = 0.14 + −0.474 * x
Mt (EJ for BioeneryCrop)
0.09
0.08
0.07
0.06
0.05
0.12
0.13
0.14
0.15
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan OilCrop price vs production
r2 = 0.73 pval = 1e−05
y = −0.6 + 14.6604 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.4
0.2
0.05
0.06
0.07
0.08
0.09
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan OilCrop price vs allocation
r2 = 0.67 pval = 3e−05
y = 2.49 + −15.19345 * x
1975$ per kg (per GJ for BioeneryCrop)
0.7
0.6
0.5
0.4
0.3
0.2
0.12
0.13
0.14
0.15
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan OtherGrain production vs allocation
r2 = 0.12 pval = 0.16505
y = −0.01 + 0.923 * x
Mt (EJ for BioeneryCrop)
0.0050
0.0045
0.0040
0.0035
0.01275
0.01300
0.01325
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan OtherGrain price vs production
r2 = 0.9 pval = 0
y = −0.35 + 123.1785 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.10
0.0035
0.0040
0.0045
0.0050
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan OtherGrain price vs allocation
r2 = 0.03 pval = 0.45826
y = −0.62 + 65.40813 * x
1975$ per kg (per GJ for BioeneryCrop)
0.30
0.25
0.20
0.15
0.01275
0.01300
0.01325
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Rice production vs allocation
r2 = 0.64 pval = 6e−05
y = 2.53 + −0.632 * x
Mt (EJ for BioeneryCrop)
1.90
1.85
1.80
1.75
1.70
1.65
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Rice price vs production
r2 = 0.69 pval = 2e−05
y = −1.72 + 1.11318 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
1.65
1.70
1.75
1.80
1.85
1.90
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Rice price vs allocation
r2 = 0.92 pval = 0
y = 1.45 + −1.01436 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
1.1
1.2
1.3
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan RootTuber production vs allocation
r2 = 0.01 pval = 0.76636
y = 0.59 + −1.964 * x
Mt (EJ for BioeneryCrop)
0.50
0.45
0.40
0.35
0.071
0.073
0.075
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan RootTuber price vs production
r2 = 0.97 pval = 0
y = 0.01 + 0.29669 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
0.35
0.40
0.45
0.50
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan RootTuber price vs allocation
r2 = 0 pval = 0.84773
y = 0.17 + −0.38205 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.15
0.14
0.13
0.12
0.071
0.073
0.075
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Soybean production vs allocation
r2 = 0.98 pval = 0
y = 0 + 0.218 * x
Mt (EJ for BioeneryCrop)
0.0028
0.0026
0.0024
0.0022
0.0020
0.005
0.006
0.007
0.008
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Soybean price vs production
r2 = 0.89 pval = 0
y = 1.49 + −481.63573 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.0020
0.0022
0.0024
0.0026
0.0028
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Soybean price vs allocation
r2 = 0.92 pval = 0
y = 1.05 + −108.13721 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
0.005
0.006
0.007
0.008
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan SugarCrop production vs allocation
r2 = 0.96 pval = 0
y = −1.12 + 36.54 * x
Mt (EJ for BioeneryCrop)
2.0
1.5
1.0
0.5
0.04
0.05
0.06
0.07
0.08
0.09
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan SugarCrop price vs production
r2 = 0.84 pval = 0
y = 0.03 + 0.05266 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
0.10
0.08
0.06
0.5
1.0
1.5
2.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan SugarCrop price vs allocation
r2 = 0.7 pval = 2e−05
y = −0.01 + 1.7894 * x
1975$ per kg (per GJ for BioeneryCrop)
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.05
0.06
0.07
0.08
0.09
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Vegetables production vs allocation
r2 = 0.79 pval = 0
y = 4.79 + −3.199 * x
Mt (EJ for BioeneryCrop)
3.2
3.0
2.8
2.6
0.50
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Vegetables price vs production
r2 = 0.96 pval = 0
y = 0.09 + 0.03729 * x
1975$ per kg (per GJ for BioeneryCrop)
0.210
0.205
0.200
0.195
0.190
2.8
3.0
3.2
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Vegetables price vs allocation
r2 = 0.77 pval = 0
y = 0.27 + −0.1204 * x
1975$ per kg (per GJ for BioeneryCrop)
0.210
0.205
0.200
0.195
0.190
0.185
0.50
0.55
0.60
0.65
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Wheat production vs allocation
r2 = 0.44 pval = 0.00282
y = −0.01 + 1.372 * x
Mt (EJ for BioeneryCrop)
0.0150
0.0125
0.0100
0.0075
0.0050
0.012
0.013
0.014
0.015
0.016
thousand km^2
year
2100
2080
2060
2040
2020

Taiwan Wheat price vs production
r2 = 0.59 pval = 0.00019
y = −0.05 + 20.05752 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.05
0.0050
0.0075
0.0100
0.0125
0.0150
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Taiwan Wheat price vs allocation
r2 = 0.01 pval = 0.75968
y = 0.13 + 4.19876 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
0.012
0.013
0.014
0.015
0.016
thousand km^2
year
2100
2080
2060
2040
2020

USA BioenergyCrop production vs allocation
r2 = 0.99 pval = 0
y = −0.93 + 0.028 * x
Mt (EJ for BioeneryCrop)
30
20
10
0
0
300
600
900
1200
thousand km^2
year
2100
2080
2060
2040
2020

USA BioenergyCrop price vs production
r2 = 0.9 pval = 0
y = 0.96 + 0.22314 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
10
20
30
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA BioenergyCrop price vs allocation
r2 = 0.84 pval = 0
y = 0.89 + 0.00603 * x
1975$ per kg (per GJ for BioeneryCrop)
8
6
4
2
0
300
600
900
1200
thousand km^2
year
2100
2080
2060
2040
2020

USA Corn production vs allocation
r2 = 0.99 pval = 0
y = −522.83 + 2.809 * x
Mt (EJ for BioeneryCrop)
900
800
700
600
500
400
350
400
450
500
thousand km^2
year
2100
2080
2060
2040
2020

USA Corn price vs production
r2 = 0.94 pval = 0
y = −0.02 + 0.00014 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
400
500
600
700
800
900
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Corn price vs allocation
r2 = 0.89 pval = 0
y = −0.08 + 0.00037 * x
1975$ per kg (per GJ for BioeneryCrop)
0.11
0.09
0.07
0.05
350
400
450
500
thousand km^2
year
2100
2080
2060
2040
2020

USA FiberCrop production vs allocation
r2 = 0.94 pval = 0
y = −9.75 + 0.515 * x
Mt (EJ for BioeneryCrop)
15
14
13
12
11
10
9
39
42
45
48
thousand km^2
year
2100
2080
2060
2040
2020

USA FiberCrop price vs production
r2 = 0.82 pval = 0
y = −0.69 + 0.08528 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
10
11
12
13
14
15
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA FiberCrop price vs allocation
r2 = 0.64 pval = 6e−05
y = −1.35 + 0.03999 * x
1975$ per kg (per GJ for BioeneryCrop)
0.6
0.5
0.4
0.3
0.2
39
42
45
48
thousand km^2
year
2100
2080
2060
2040
2020

USA FodderGrass production vs allocation
r2 = 1 pval = 0
y = −75.96 + 3.231 * x
Mt (EJ for BioeneryCrop)
400
350
300
250
200
80
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

USA FodderGrass price vs production
r2 = 0.96 pval = 0
y = −0.03 + 0.00032 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
200
250
300
350
400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA FodderGrass price vs allocation
r2 = 0.95 pval = 0
y = −0.06 + 0.00104 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
0.02
80
100
120
140
thousand km^2
year
2100
2080
2060
2040
2020

USA FodderHerb production vs allocation
r2 = 1 pval = 0
y = −76.61 + 2.967 * x
Mt (EJ for BioeneryCrop)
800
600
400
200
100
150
200
250
300
thousand km^2
year
2100
2080
2060
2040
2020

USA FodderHerb price vs production
r2 = 0.93 pval = 0
y = 0.02 + 1e−04 * x
1975$ per kg (per GJ for BioeneryCrop)
0.10
0.08
0.06
0.04
200
400
600
800
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA FodderHerb price vs allocation
r2 = 0.94 pval = 0
y = 0.01 + 3e−04 * x
1975$ per kg (per GJ for BioeneryCrop)
0.04
0.06
0.08
0.10
100
150
200
250
300
thousand km^2
year
2100
2080
2060
2040
2020

USA Fruits production vs allocation
r2 = 0.57 pval = 0.00028
y = 111.14 + −6.984 * x
Mt (EJ for BioeneryCrop)
40
35
30
25
10.0
10.5
11.0
11.5
thousand km^2
year
2100
2080
2060
2040
2020

USA Fruits price vs production
r2 = 0.9 pval = 0
y = 0.13 + 0.00356 * x
1975$ per kg (per GJ for BioeneryCrop)
0.28
0.26
0.24
25
30
35
40
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Fruits price vs allocation
r2 = 0.76 pval = 0
y = 0.59 + −0.03027 * x
1975$ per kg (per GJ for BioeneryCrop)
0.28
0.27
0.26
0.25
0.24
10.0
10.5
11.0
11.5
thousand km^2
year
2100
2080
2060
2040
2020

USA Legumes production vs allocation
r2 = 0.99 pval = 0
y = −4.46 + 0.493 * x
Mt (EJ for BioeneryCrop)
thousand km^2
3
4
5
6
7
14
16
18
20
22
year
2100
2080
2060
2040
2020

USA Legumes price vs production
r2 = 0.97 pval = 0
y = −0.15 + 0.0989 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
0.5
3
4
5
6
7
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Legumes price vs allocation
r2 = 0.94 pval = 0
y = −0.58 + 0.0483 * x
1975$ per kg (per GJ for BioeneryCrop)
0.5
0.4
0.3
0.2
0.1
14
16
18
20
22
thousand km^2
year
2100
2080
2060
2040
2020

USA MiscCrop production vs allocation
r2 = 0.66 pval = 4e−05
y = 0.24 + 0.115 * x
Mt (EJ for BioeneryCrop)
0.475
0.450
0.425
0.400
0.375
1.4
1.6
1.8
thousand km^2
year
2100
2080
2060
2040
2020

USA MiscCrop price vs production
r2 = 0.16 pval = 0.10135
y = 2.11 + −1.08924 * x
1975$ per kg (per GJ for BioeneryCrop)
1.75
1.70
1.65
1.60
1.55
0.375
0.400
0.425
0.450
0.475
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA MiscCrop price vs allocation
r2 = 0.72 pval = 1e−05
y = 2.17 + −0.32719 * x
1975$ per kg (per GJ for BioeneryCrop)
1.75
1.70
1.65
1.60
1.55
1.4
1.6
1.8
thousand km^2
year
2100
2080
2060
2040
2020

USA NutsSeeds production vs allocation
r2 = 0.98 pval = 0
y = −7.24 + 0.902 * x
Mt (EJ for BioeneryCrop)
12
10
8
6
15.0
17.5
20.0
thousand km^2
year
2100
2080
2060
2040
2020

USA NutsSeeds price vs production
r2 = 0.97 pval = 0
y = −2.45 + 0.54618 * x
1975$ per kg (per GJ for BioeneryCrop)
4
3
2
1
5
7
9
11
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA NutsSeeds price vs allocation
r2 = 0.91 pval = 0
y = −6.23 + 0.48357 * x
1975$ per kg (per GJ for BioeneryCrop)
0
1
2
3
4
15.0
17.5
20.0
thousand km^2
year
2100
2080
2060
2040
2020

USA OilCrop production vs allocation
r2 = 0 pval = 0.93028
y = 4.49 + −0.024 * x
Mt (EJ for BioeneryCrop)
4.5
4.0
3.5
3.0
15.5
16.0
16.5
17.0
thousand km^2
year
2100
2080
2060
2040
2020

USA OilCrop price vs production
r2 = 0.86 pval = 0
y = −0.39 + 0.17623 * x
1975$ per kg (per GJ for BioeneryCrop)
0.1
0.2
0.3
0.4
3.0
3.5
4.0
4.5
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA OilCrop price vs allocation
r2 = 0.14 pval = 0.12573
y = 1.55 + −0.07523 * x
1975$ per kg (per GJ for BioeneryCrop)
0.4
0.3
0.2
15.5
16.0
16.5
17.0
thousand km^2
year
2100
2080
2060
2040
2020

USA OtherGrain production vs allocation
r2 = 0.96 pval = 0
y = −35.85 + 1.19 * x
Mt (EJ for BioeneryCrop)
30
25
20
44
46
48
50
52
54
thousand km^2
year
2100
2080
2060
2040
2020

USA OtherGrain price vs production
r2 = 0.92 pval = 0
y = −0.08 + 0.00643 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
17.5
20.0
22.5
25.0
27.5
30.0
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA OtherGrain price vs allocation
r2 = 0.8 pval = 0
y = −0.29 + 0.0073 * x
1975$ per kg (per GJ for BioeneryCrop)
0.100
0.075
0.050
44
46
48
50
52
54
thousand km^2
year
2100
2080
2060
2040
2020

USA Rice production vs allocation
r2 = 0.44 pval = 0.00261
y = −6.14 + 1.53 * x
Mt (EJ for BioeneryCrop)
13
12
11
10
9
11.0
11.5
12.0
12.5
thousand km^2
year
2100
2080
2060
2040
2020

USA Rice price vs production
r2 = 0.66 pval = 5e−05
y = −0.3 + 0.0401 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
9
10
11
12
13
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Rice price vs allocation
r2 = 0.02 pval = 0.58866
y = −0.01 + 0.01557 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
11.0
11.5
12.0
12.5
thousand km^2
year
2100
2080
2060
2040
2020

USA RootTuber production vs allocation
r2 = 0.82 pval = 0
y = −84.75 + 22.418 * x
Mt (EJ for BioeneryCrop)
33
30
27
24
21
4.8
4.9
5.0
5.1
5.2
thousand km^2
year
2100
2080
2060
2040
2020

USA RootTuber price vs production
r2 = 0.98 pval = 0
y = 0.01 + 0.00233 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
21
24
27
30
33
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA RootTuber price vs allocation
r2 = 0.82 pval = 0
y = −0.19 + 0.05257 * x
1975$ per kg (per GJ for BioeneryCrop)
0.08
0.07
0.06
4.8
4.9
5.0
5.1
5.2
thousand km^2
year
2100
2080
2060
2040
2020

USA Soybean production vs allocation
r2 = 0.14 pval = 0.12915
y = 200.9 + −0.164 * x
Mt (EJ for BioeneryCrop)
160
140
120
250
275
300
325
350
thousand km^2
year
2100
2080
2060
2040
2020

USA Soybean price vs production
r2 = 0.29 pval = 0.02
y = −0.13 + 0.00208 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
120
140
160
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Soybean price vs allocation
r2 = 0.92 pval = 0
y = 0.67 + −0.00163 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.20
0.15
0.10
250
275
300
325
350
thousand km^2
year
2100
2080
2060
2040
2020

USA SugarCrop production vs allocation
r2 = 0.99 pval = 0
y = −127.26 + 22.689 * x
Mt (EJ for BioeneryCrop)
150
125
100
75
8
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

USA SugarCrop price vs production
r2 = 0.97 pval = 0
y = 0 + 1e−04 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0200
0.0175
0.0150
0.0125
75
100
125
150
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA SugarCrop price vs allocation
r2 = 0.97 pval = 0
y = −0.01 + 0.00226 * x
1975$ per kg (per GJ for BioeneryCrop)
0.0200
0.0175
0.0150
0.0125
0.0100
8
9
10
11
12
thousand km^2
year
2100
2080
2060
2040
2020

USA Vegetables production vs allocation
r2 = 0.84 pval = 0
y = −80.83 + 12.091 * x
Mt (EJ for BioeneryCrop)
60
50
40
10.5
11.0
11.5
12.0
thousand km^2
year
2100
2080
2060
2040
2020

USA Vegetables price vs production
r2 = 0.97 pval = 0
y = 0.16 + 0.00143 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.24
0.23
0.22
0.21
40
50
60
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Vegetables price vs allocation
r2 = 0.9 pval = 0
y = 0.03 + 0.01825 * x
1975$ per kg (per GJ for BioeneryCrop)
0.25
0.24
0.23
0.22
10.5
11.0
11.5
12.0
thousand km^2
year
2100
2080
2060
2040
2020

USA Wheat production vs allocation
r2 = 0.96 pval = 0
y = −118.65 + 0.969 * x
Mt (EJ for BioeneryCrop)
125
100
75
50
175
200
225
250
thousand km^2
year
2100
2080
2060
2040
2020

USA Wheat price vs production
r2 = 0.84 pval = 0
y = −0.03 + 0.00111 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.09
0.06
75
100
125
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

USA Wheat price vs allocation
r2 = 0.69 pval = 2e−05
y = −0.14 + 0.00099 * x
1975$ per kg (per GJ for BioeneryCrop)
0.12
0.09
0.06
175
200
225
250
thousand km^2
year
2100
2080
2060
2040
2020

Global BioenergyCrop production vs allocation
r2 = 0.95 pval = 0
y = −6.36 + 0.024 * x
Mt (EJ for BioeneryCrop)
200
150
100
50
0
0
2000
4000
6000
8000
thousand km^2
year
2100
2080
2060
2040
2020

Global BioenergyCrop price vs production
r2 = 0.85 pval = 0
y = −225.47 + 8.98226 * x
1975$ per kg (per GJ for BioeneryCrop)
1500
1000
500
0
0
50
100
150
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global BioenergyCrop price vs allocation
r2 = 0.67 pval = 3e−05
y = −163.45 + 0.19952 * x
1975$ per kg (per GJ for BioeneryCrop)
1500
1000
500
0
0
2000
4000
6000
8000
thousand km^2
year
2100
2080
2060
2040
2020

Global Corn production vs allocation
r2 = 0.06 pval = 0.3316
y = 3734.55 + −1.322 * x
Mt (EJ for BioeneryCrop)
1750
1500
1250
1550
1600
1650
thousand km^2
year
2100
2080
2060
2040
2020

Global Corn price vs production
r2 = 0.9 pval = 0
y = −283.38 + 0.29122 * x
300
200
100
1975$ per kg (per GJ for BioeneryCrop)
1250
1500
1750
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Corn price vs allocation
r2 = 0.25 pval = 0.03365
y = 1521.88 + −0.8382 * x
1975$ per kg (per GJ for BioeneryCrop)
250
200
150
100
1550
1600
1650
thousand km^2
year
2100
2080
2060
2040
2020

Global FiberCrop production vs allocation
r2 = 0.58 pval = 0.00024
y = 229.77 + −0.526 * x
Mt (EJ for BioeneryCrop)
100
95
90
85
80
250
260
270
thousand km^2
year
2100
2080
2060
2040
2020

Global FiberCrop price vs production
r2 = 0.45 pval = 0.00216
y = −129.37 + 1.86257 * x
1975$ per kg (per GJ for BioeneryCrop)
60
50
40
30
20
80
85
90
95
100
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global FiberCrop price vs allocation
r2 = 0.68 pval = 3e−05
y = 450.03 + −1.56584 * x
1975$ per kg (per GJ for BioeneryCrop)
60
50
40
30
20
250
260
270
thousand km^2
year
2100
2080
2060
2040
2020

Global FodderGrass production vs allocation
r2 = 0.98 pval = 0
y = −693.06 + 3.334 * x
Mt (EJ for BioeneryCrop)
1600
1400
1200
1000
800
500
600
thousand km^2
year
2100
2080
2060
2040
2020

Global FodderGrass price vs production
r2 = 0.92 pval = 0
y = −152.59 + 0.20436 * x
1975$ per kg (per GJ for BioeneryCrop)
0
50
100
150
800
1000
1200
1400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global FodderGrass price vs allocation
r2 = 0.94 pval = 0
y = −301.63 + 0.69408 * x
1975$ per kg (per GJ for BioeneryCrop)
150
100
50
0
500
600
thousand km^2
year
2100
2080
2060
2040
2020

Global FodderHerb production vs allocation
r2 = 1 pval = 0
y = −329.24 + 4.138 * x
Mt (EJ for BioeneryCrop)
2500
2000
1500
1000
400
500
600
700
thousand km^2
year
2100
2080
2060
2040
2020

Global FodderHerb price vs production
r2 = 0.95 pval = 0
y = −140.87 + 0.15709 * x
1975$ per kg (per GJ for BioeneryCrop)
200
100
1000
1500
2000
2500
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global FodderHerb price vs allocation
r2 = 0.97 pval = 0
y = −197.7 + 0.6591 * x
1975$ per kg (per GJ for BioeneryCrop)
200
100
400
500
600
700
thousand km^2
year
2100
2080
2060
2040
2020

Global Fruits production vs allocation
r2 = 0.98 pval = 0
y = −1554.22 + 3.937 * x
Mt (EJ for BioeneryCrop)
1500
1300
1100
900
700
600
650
700
750
thousand km^2
year
2100
2080
2060
2040
2020

Global Fruits price vs production
r2 = 0.96 pval = 0
y = −139.77 + 0.3374 * x
1975$ per kg (per GJ for BioeneryCrop)
300
200
100
700
900
1100
1300
1500
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Fruits price vs allocation
r2 = 0.99 pval = 0
y = −685.45 + 1.35878 * x
1975$ per kg (per GJ for BioeneryCrop)
300
200
100
600
650
700
750
thousand km^2
year
2100
2080
2060
2040
2020

Global Legumes production vs allocation
r2 = 0.82 pval = 0
y = −252.96 + 0.513 * x
Mt (EJ for BioeneryCrop)
200
160
120
80
700
750
800
850
900
thousand km^2
year
2100
2080
2060
2040
2020

Global Legumes price vs production
r2 = 0.94 pval = 0
y = −163.48 + 1.69802 * x
1975$ per kg (per GJ for BioeneryCrop)
200
150
100
50
0
100
125
150
175
200
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Legumes price vs allocation
r2 = 0.92 pval = 0
y = −658.44 + 0.95377 * x
1975$ per kg (per GJ for BioeneryCrop)
0
50
100
150
200
700
750
800
850
900
thousand km^2
year
2100
2080
2060
2040
2020

Global MiscCrop production vs allocation
r2 = 0.95 pval = 0
y = 35.56 + 0.046 * x
Mt (EJ for BioeneryCrop)
80
70
60
50
400
500
600
700
800
900
thousand km^2
year
2100
2080
2060
2040
2020

Global MiscCrop price vs production
r2 = 0.85 pval = 0
y = 14.8 + 0.35155 * x
1975$ per kg (per GJ for BioeneryCrop)
40
36
32
50
60
70
80
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global MiscCrop price vs allocation
r2 = 0.77 pval = 0
y = 27.6 + 0.01578 * x
1975$ per kg (per GJ for BioeneryCrop)
40
36
32
400
500
600
700
800
900
thousand km^2
year
2100
2080
2060
2040
2020

Global NutsSeeds production vs allocation
r2 = 0.51 pval = 0.00083
y = −158.68 + 0.733 * x
Mt (EJ for BioeneryCrop)
120
100
80
60
320
340
360
thousand km^2
year
2100
2080
2060
2040
2020

Global NutsSeeds price vs production
r2 = 0.96 pval = 0
y = −608.65 + 8.93699 * x
1975$ per kg (per GJ for BioeneryCrop)
500
400
300
200
100
0
60
80
100
120
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global NutsSeeds price vs allocation
r2 = 0.65 pval = 6e−05
y = −2362.39 + 7.51726 * x
1975$ per kg (per GJ for BioeneryCrop)
400
300
200
100
320
340
360
thousand km^2
year
2100
2080
2060
2040
2020

Global OilCrop production vs allocation
r2 = 0.65 pval = 5e−05
y = 456.54 + −0.216 * x
Mt (EJ for BioeneryCrop)
300
270
240
210
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global OilCrop price vs production
r2 = 0.82 pval = 0
y = −281.4 + 1.31779 * x
1975$ per kg (per GJ for BioeneryCrop)
100
50
0
210
240
270
300
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global OilCrop price vs allocation
r2 = 0.89 pval = 0
y = 387.76 + −0.36591 * x
1975$ per kg (per GJ for BioeneryCrop)
100
50
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global OilPalm production vs allocation
r2 = 0.87 pval = 0
y = −540.25 + 3.756 * x
Mt (EJ for BioeneryCrop)
1500
1000
500
300
400
500
600
thousand km^2
year
2100
2080
2060
2040
2020

Global OilPalm price vs production
r2 = 0.76 pval = 0
y = −29.75 + 0.09158 * x
1975$ per kg (per GJ for BioeneryCrop)
100
50
0
500
1000
1500
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global OilPalm price vs allocation
r2 = 0.42 pval = 0.00373
y = −42.8 + 0.27277 * x
1975$ per kg (per GJ for BioeneryCrop)
100
50
300
400
500
600
thousand km^2
year
2100
2080
2060
2040
2020

Global OtherGrain production vs allocation
r2 = 0.89 pval = 0
y = 714.79 + −0.286 * x
Mt (EJ for BioeneryCrop)
400
375
350
325
300
1200
1300
1400
thousand km^2
year
2100
2080
2060
2040
2020

Global OtherGrain price vs production
r2 = 0.81 pval = 0
y = −307.08 + 0.98669 * x
1975$ per kg (per GJ for BioeneryCrop)
100
75
50
25
0
300
325
350
375
400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global OtherGrain price vs allocation
r2 = 0.67 pval = 3e−05
y = 386.15 + −0.27223 * x
1975$ per kg (per GJ for BioeneryCrop)
100
75
50
25
1200
1300
1400
thousand km^2
year
2100
2080
2060
2040
2020

Global Rice production vs allocation
r2 = 0.01 pval = 0.7768
y = 821 + −0.021 * x
Mt (EJ for BioeneryCrop)
825
800
775
750
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global Rice price vs production
r2 = 0.01 pval = 0.69709
y = 35.95 + 0.19707 * x
1975$ per kg (per GJ for BioeneryCrop)
250
200
150
100
750
775
800
825
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Rice price vs allocation
r2 = 0.93 pval = 0
y = 676.93 + −0.57001 * x
1975$ per kg (per GJ for BioeneryCrop)
250
200
150
100
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global RootTuber production vs allocation
r2 = 0.08 pval = 0.27141
y = 3470.42 + −5.143 * x
Mt (EJ for BioeneryCrop)
1400
1200
1000
420
430
440
450
thousand km^2
year
2100
2080
2060
2040
2020

Global RootTuber price vs production
r2 = 0.89 pval = 0
y = −245.55 + 0.33303 * x
1975$ per kg (per GJ for BioeneryCrop)
250
200
150
100
50
1000
1200
1400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global RootTuber price vs allocation
r2 = 0 pval = 0.85016
y = 300.31 + −0.31807 * x
1975$ per kg (per GJ for BioeneryCrop)
200
150
100
420
430
440
450
thousand km^2
year
2100
2080
2060
2040
2020

Global Soybean production vs allocation
r2 = 0.36 pval = 0.00803
y = 282.92 + 0.101 * x
Mt (EJ for BioeneryCrop)
400
380
360
340
320
600
700
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global Soybean price vs production
r2 = 0.29 pval = 0.02165
y = 215.1 + −0.39147 * x
1975$ per kg (per GJ for BioeneryCrop)
80
60
40
320
340
360
380
400
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Soybean price vs allocation
r2 = 0.96 pval = 0
y = 166.32 + −0.12009 * x
1975$ per kg (per GJ for BioeneryCrop)
80
60
40
600
700
800
900
1000
thousand km^2
year
2100
2080
2060
2040
2020

Global SugarCrop production vs allocation
r2 = 0.82 pval = 0
y = −3621.67 + 23.971 * x
Mt (EJ for BioeneryCrop)
6000
5000
4000
3000
2000
250
300
350
400
thousand km^2
year
2100
2080
2060
2040
2020

Global SugarCrop price vs production
r2 = 0.69 pval = 2e−05
y = −59.55 + 0.03362 * x
1975$ per kg (per GJ for BioeneryCrop)
150
100
50
2000
3000
4000
5000
6000
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global SugarCrop price vs allocation
r2 = 0.27 pval = 0.02565
y = −90.62 + 0.56163 * x
1975$ per kg (per GJ for BioeneryCrop)
150
100
50
250
300
350
400
thousand km^2
year
2100
2080
2060
2040
2020

Global Vegetables production vs allocation
r2 = 0.94 pval = 0
y = −1545.43 + 6.847 * x
Mt (EJ for BioeneryCrop)
2000
1800
1600
1400
1200
450
500
thousand km^2
year
2100
2080
2060
2040
2020

Global Vegetables price vs production
r2 = 0.94 pval = 0
y = −156.14 + 0.27924 * x
1975$ per kg (per GJ for BioeneryCrop)
450
400
350
300
250
200
1200
1400
1600
1800
2000
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Vegetables price vs allocation
r2 = 0.98 pval = 0
y = −639.63 + 2.0172 * x
1975$ per kg (per GJ for BioeneryCrop)
450
400
350
300
250
200
450
500
thousand km^2
year
2100
2080
2060
2040
2020

Global Wheat production vs allocation
r2 = 0.26 pval = 0.03145
y = 928.04 + −0.072 * x
Mt (EJ for BioeneryCrop)
840
820
800
780
760
740
1400
1500
1600
1700
1800
thousand km^2
year
2100
2080
2060
2040
2020

Global Wheat price vs production
r2 = 0.18 pval = 0.0779
y = −447.45 + 0.68244 * x
1975$ per kg (per GJ for BioeneryCrop)
160
120
80
740
760
780
800
820
840
Mt (EJ for BioeneryCrop)
year
2100
2080
2060
2040
2020

Global Wheat price vs allocation
r2 = 0.96 pval = 0
y = 452.63 + −0.22196 * x
1975$ per kg (per GJ for BioeneryCrop)
160
120
80
40
1400
1500
1600
1700
1800
thousand km^2
year
2100
2080
2060
2040
2020