

Agriculture in Africa, 2016

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1 Introduction

This paper uses Food and Agriculture Organization of the United Nations (FAO) data to examine the relationship between yield, production, and area harvested in Africa.

2 Data analysis

Explanation of data

2.1 Variables

Describe each variable in combined dataset A next step demands:

- Knowing the *central* and *dispersion* values.
- Visualizing the variables of interest.

Area.Code Area Item.Code Item 2 2 Afghanistan 221 Almonds, with shell 5
2 Afghanistan 711 Anise, badian, fennel, coriander 8 2 Afghanistan 515 Apples
11 2 Afghanistan 526 Apricots 14 2 Afghanistan 44 Barley 16 2 Afghanistan
44 Barley Element.Code Element Unit Y1961 Y1961F Y1962 Y1962F Y1963
Y1963F Y1964 2 5419 Yield hg/ha NA NA NA NA 5 5419 Yield hg/ha NA NA
NA NA 8 5419 Yield hg/ha 68018 Fc 68018 Fc 68018 Fc 78298 11 5419 Yield
hg/ha 66390 Fc 66390 Fc 66390 Fc 76863 14 5419 Yield hg/ha 10800 Fc 10800
Fc 10800 Fc 10857 16 5525 Seed tonnes 28000 Fc 28000 Fc 28000 Fc 28000
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Y1969F 2 NA NA NA NA NA 5 NA NA NA NA NA 8 Fc 82258 Fc 83212
Fc 90196 Fc 93311 Fc 92763 Fc 11 Fc 80819 Fc 81619 Fc 88671 Fc 91667 Fc
91047 Fc 14 Fc 10857 Fc 10714 Fc 11297 Fc 11388 Fc 11514 Fc 16 Fc 28000

Fc 25280 Fc 25360 Fc 25360 Fc 25200 Fc Y1970 Y1970F Y1971 Y1971F Y1972
 Y1972F Y1973 Y1973F Y1974 Y1974F Y1975 2 NA NA NA NA NA NA 5 NA
 NA NA NA NA NA 8 89216 Fc 70261 Fc 84444 Fc 85981 Fc 85015 Fc 85321
 11 87632 Fc 68929 Fc 82966 Fc 84604 Fc 83734 Fc 84040 14 11746 Fc 11270 Fc
 10938 Fc 11250 Fc 11170 Fc 12000 16 25200 Fc 25600 Fc 25600 Fc 27216 Fc
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 Y1979F Y1980 Y1980F 2 16610 Fc 15000 Fc 20000 Fc 17500 Fc 17069 Fc 5 NA
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 78672 Fc 46620 Fc 68511 Fc 67548 Fc 69648 Fc 14 Fc 12903 Fc 9677 Fc 10484
 Fc 10461 Fc 10490 Fc 16 Fc 24800 Fc 24800 Fc 24320 Fc 24480 Fc 22240 Fc
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 Fc 6667 Fc 7273 Fc 7692 Fc 6976 Fc 8 Fc 74439 Fc 72532 Fc 72222 Fc 71319
 Fc 74167 Fc 11 Fc 73085 Fc 71089 Fc 71344 Fc 70440 Fc 75202 Fc 14 Fc 10845
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 5 7143 Fc 6783 Fc 6698 Fc 6667 Fc 6000 Fc 6250 8 74604 Fc 73913 Fc 74468
 Fc 74842 Fc 74959 Fc 75076 11 74107 Fc 72549 Fc 73592 Fc 72816 Fc 73960
 Fc 74245 14 8000 Fc 10000 Fc 9200 Fc 8889 Fc 10000 Fc 12500 16 20000 Fc
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 17143 Fc 16667 Fc 20578 Fc 5 Fc 5917 Fc 6227 Fc 6250 Fc 6250 Fc 6061 Fc 8
 Fc 75193 Fc 75309 Fc 75426 Fc 75543 Fc 75655 Fc 11 Fc 74496 Fc 74626 Fc
 74502 Fc 73077 Fc 73076 Fc 14 Fc 12000 Fc 12000 Fc 5968 Fc 10000 Fc 14619
 Fc 16 Fc 14400 Fc 9920 Fc 6960 Fc 18880 Fc 21600 Fc Y2003 Y2003F Y2004
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 Fc 13848 Fc 16667 Fc 26234 Fc 35000 5 6029 Fc 6000 Fc 6250 Fc 6202 Fc 6071
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 Fc 11 Fc 73439 Fc 80000 Fc 81595 Fc 100000 Fc 99944 Fc 14 Fc 18202 Fc 20613
 Fc 16100 Fc 18000 Fc 18489 Fc 16 Fc 23320 Fc 20900 Fc 30800 Fc 22240 Fc
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 96189 Fc 20819 Fc 14 15213 Fc 14291 Fc 13770 Fc 16 27398 F 27398 F 27398
 F country TotYield2016 1 Afghanistan 3583682 2 Africa 38961137 3 Albania
 NA 4 Algeria NA 5 American Samoa NA 6 Americas NA 7 Angola 2959345 8

Antigua and Barbuda NA 9 Argentina NA 10 Armenia 5999699 11 Asia NA
 12 Australia NA 13 Australia New Zealand NA 14 Austria NA 15 Azerbaijan
 6899536 16 Bahamas 4799268 17 Bahrain NA 18 Bangladesh 9018576 19 Bar-
 bados 4012418 20 Belarus NA 21 Belgium 26026485 22 Belgium-Luxembourg
 NA 23 Belize NA 24 Benin 4111824 25 Bermuda 2015344 26 Bhutan 2393806
 27 Bolivia (Plurinational State of) NA 28 Bosnia and Herzegovina 3866915 29
 Botswana NA 30 Brazil 15226731 31 British Virgin Islands 253147 32 Brunei
 Darussalam 1742986 33 Bulgaria NA 34 Burkina Faso 3421471 35 Burundi NA
 36 Cabo Verde NA 37 Cambodia NA 38 Cameroon 4852593 39 Canada NA
 40 Caribbean 7946525 41 Cayman Islands 291408 42 Central African Republic
 1625607 43 Central America NA 44 Central Asia 22201235 45 Chad 2552245 46
 Chile NA 47 China NA 48 China, Hong Kong SAR 3585749 49 China, Macao
 SAR 16531 50 China, mainland 70341073 51 China, Taiwan Province of NA
 52 Colombia NA 53 Comoros NA 54 Congo 3591141 55 Cook Islands NA 56
 Costa Rica NA 57 Côte d'Ivoire NA 58 Croatia NA 59 Cuba NA 60 Cyprus
 NA 61 Czechia NA 62 Czechoslovakia NA 63 Democratic People's Republic of
 Korea 3346863 64 Democratic Republic of the Congo NA 65 Denmark NA 66
 Djibouti 315834 67 Dominica 3133000 68 Dominican Republic NA 69 Eastern
 Africa 14056414 70 Eastern Asia NA 71 Eastern Europe NA 72 Ecuador 5856675
 73 Egypt 16404679 74 El Salvador NA 75 Equatorial Guinea 469044 76 Eritrea
 485065 77 Estonia NA 78 Ethiopia 5904222 79 Ethiopia PDR NA 80 Europe
 159711380 81 European Union NA 82 Faroe Islands 284986 83 Fiji NA 84 Fin-
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 88 Gabon 1816000 89 Gambia NA 90 Georgia NA 91 Germany NA 92 Ghana
 4735246 93 Greece NA 94 Grenada 3110270 95 Guadeloupe NA 96 Guam NA 97
 Guatemala 9462860 98 Guinea 2225723 99 Guinea-Bissau 1597510 100 Guyana
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 14315418 105 India 60738813 106 Indonesia 13676995 107 Iran (Islamic Repub-
 lic of) NA 108 Iraq 5675181 109 Ireland NA 110 Israel NA 111 Italy NA 112
 Jamaica 6804771 113 Japan NA 114 Jordan NA 115 Kazakhstan 16064954 116
 Kenya 7691963 117 Kiribati 924116 118 Kuwait 13879675 119 Kyrgyzstan NA
 120 Land Locked Developing Countries 35688666 121 Lao People's Democratic
 Republic 4927626 122 Latvia NA 123 Least Developed Countries 34147740 124
 Lebanon 9872416 125 Lesotho 765143 126 Liberia 1487748 127 Libya NA 128
 Lithuania 7037685 129 Low Income Food Deficit Countries 109132238 130 Lux-
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 Melanesia 4203011 142 Mexico NA 143 Micronesia NA 144 Micronesia (Fed-
 erated States of) 837905 145 Middle Africa NA 146 Mongolia 1345566 147
 Montenegro 6273919 148 Montserrat 1005282 149 Morocco NA 150 Mozam-
 bique 3420302 151 Myanmar NA 152 Namibia NA 153 Nauru 409783 154 Nepal
 5671493 155 Net Food Importing Developing Countries 62941814 156 Nether-
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 160 Niger 6594767 161 Nigeria 5143041 162 Niue NA 163 Northern Africa NA
 164 Northern America NA 165 Northern Europe NA 166 Norway NA 167 Oc-

cupied Palestinian Territory NA 168 Oceania NA 169 Oman NA 170 Pacific
 Islands Trust Territory NA 171 Pakistan 19163360 172 Panama NA 173 Papua
 New Guinea 2855637 174 Paraguay 6151020 175 Peru NA 176 Philippines NA
 177 Poland 15595950 178 Polynesia 4406665 179 Portugal NA 180 Puerto Rico
 NA 181 Qatar 4054708 182 Republic of Korea NA 183 Republic of Moldova
 NA 184 Réunion 6559331 185 Romania NA 186 Russian Federation NA 187
 Rwanda NA 188 Saint Kitts and Nevis NA 189 Saint Lucia NA 190 Saint Pierre
 and Miquelon 242786 191 Saint Vincent and the Grenadines NA 192 Samoa
 1988320 193 Sao Tome and Principe 1079029 194 Saudi Arabia NA 195 Senegal
 NA 196 Serbia 5855355 197 Serbia and Montenegro NA 198 Seychelles 2042697
 199 Sierra Leone 2165552 200 Singapore NA 201 Slovakia NA 202 Slovenia NA
 203 Small Island Developing States 9504995 204 Solomon Islands 2209841 205
 Somalia 1819694 206 South-Eastern Asia 28832311 207 South Africa 10680549
 208 South America 33224199 209 South Sudan 1620688 210 Southern Africa
 10451666 211 Southern Asia 88636715 212 Southern Europe NA 213 Spain NA
 214 Sri Lanka 4091499 215 Sudan 4830698 216 Sudan (former) NA 217 Suri-
 name 5468448 218 Swaziland 2727564 219 Sweden NA 220 Switzerland 14186900
 221 Syrian Arab Republic NA 222 Tajikistan NA 223 Thailand 10621560 224
 The former Yugoslav Republic of Macedonia NA 225 Timor-Leste NA 226 Togo
 1736091 227 Tokelau 533850 228 Tonga NA 229 Trinidad and Tobago NA 230
 Tunisia 8300480 231 Turkey NA 232 Turkmenistan NA 233 Tuvalu 412364 234
 Uganda 2168031 235 Ukraine NA 236 United Arab Emirates 7458750 237 United
 Kingdom NA 238 United Republic of Tanzania 4865726 239 United States of
 America NA 240 United States Virgin Islands NA 241 Uruguay NA 242 USSR
 NA 243 Uzbekistan NA 244 Vanuatu 1296599 245 Venezuela (Bolivarian Repub-
 lic of) NA 246 Viet Nam 9147050 247 Wallis and Futuna Islands 1355566 248
 Western Africa 23902407 249 Western Asia NA 250 Western Europe NA 251
 Western Sahara 22044 252 World 400729871 253 Yemen NA 254 Yugoslav SFR
 NA 255 Zambia 2648394 256 Zimbabwe NA Area.Code Area Item.Code Item
 3 2 Afghanistan 221 Almonds, with shell 6 2 Afghanistan 711 Anise, badian,
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 15 2 Afghanistan 44 Barley 16 2 Afghanistan 44 Barley Element.Code Element
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40631 Im 38000 F 45278 15 250000 240000 216000 74000 87000 345000 16 16000
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Y2004F Y2005 Y2005F Y2006 Y2006F Y2007 Y2007F 3 Im 14000 * 14700 *
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TotProd2016 1 Afghanistan 25241736 2 Africa NA 3 Albania NA 4 Algeria NA 5
American Samoa NA 6 Americas NA 7 Angola NA 8 Antigua and Barbuda NA
9 Argentina NA 10 Armenia NA 11 Asia NA 12 Australia NA 13 Australia New
Zealand NA 14 Austria NA 15 Azerbaijan NA 16 Bahamas NA 17 Bahrain NA
18 Bangladesh NA 19 Barbados NA 20 Belarus NA 21 Belgium NA 22 Belgium-
Luxembourg NA 23 Belize 2448773 24 Benin NA 25 Bermuda 14385 26 Bhutan
NA 27 Bolivia (Plurinational State of) NA 28 Bosnia and Herzegovina NA 29
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Verde NA 37 Cambodia NA 38 Cameroon NA 39 Canada NA 40 Caribbean NA

41 Cayman Islands 1040 42 Central African Republic NA 43 Central America
 NA 44 Central Asia NA 45 Chad NA 46 Chile 34630110 47 China NA 48 China,
 Hong Kong SAR 119859 49 China, Macao SAR NA 50 China, mainland NA 51
 China, Taiwan Province of NA 52 Colombia NA 53 Comoros NA 54 Congo NA
 55 Cook Islands 15145 56 Costa Rica NA 57 Côte d'Ivoire NA 58 Croatia NA 59
 Cuba NA 60 Cyprus NA 61 Czechia NA 62 Czechoslovakia NA 63 Democratic
 People's Republic of Korea NA 64 Democratic Republic of the Congo NA 65
 Denmark NA 66 Djibouti 122393 67 Dominica NA 68 Dominican Republic NA
 69 Eastern Africa NA 70 Eastern Asia NA 71 Eastern Europe NA 72 Ecuador
 NA 73 Egypt NA 74 El Salvador NA 75 Equatorial Guinea 597254 76 Eritrea
 1061760 77 Estonia NA 78 Ethiopia NA 79 Ethiopia PDR NA 80 Europe NA 81
 European Union NA 82 Faroe Islands 2988 83 Fiji NA 84 Finland NA 85 France
 NA 86 French Guiana NA 87 French Polynesia NA 88 Gabon 2552938 89 Gam-
 bia NA 90 Georgia NA 91 Germany NA 92 Ghana NA 93 Greece NA 94 Grenada
 NA 95 Guadeloupe NA 96 Guam NA 97 Guatemala NA 98 Guinea 19171328
 99 Guinea-Bissau 1660184 100 Guyana NA 101 Haiti 10691988 102 Honduras
 16161199 103 Hungary NA 104 Iceland 36097 105 India NA 106 Indonesia NA
 107 Iran (Islamic Republic of) NA 108 Iraq 16261476 109 Ireland NA 110 Israel
 NA 111 Italy NA 112 Jamaica 3983454 113 Japan NA 114 Jordan NA 115 Kaza-
 khstan NA 116 Kenya NA 117 Kiribati 112142 118 Kuwait NA 119 Kyrgyzstan
 NA 120 Land Locked Developing Countries NA 121 Lao People's Democratic
 Republic NA 122 Latvia NA 123 Least Developed Countries NA 124 Lebanon
 NA 125 Lesotho NA 126 Liberia 3185741 127 Libya NA 128 Liechtenstein 430
 129 Lithuania NA 130 Low Income Food Deficit Countries NA 131 Luxembourg
 NA 132 Madagascar NA 133 Malawi NA 134 Malaysia NA 135 Maldives NA
 136 Mali NA 137 Malta NA 138 Marshall Islands 30620 139 Martinique NA 140
 Mauritania 969997 141 Mauritius NA 142 Melanesia NA 143 Mexico NA 144
 Micronesia NA 145 Micronesia (Federated States of) NA 146 Middle Africa NA
 147 Mongolia 1754134 148 Montenegro 350906 149 Montserrat NA 150 Morocco
 NA 151 Mozambique NA 152 Myanmar NA 153 Namibia NA 154 Nauru 5623
 155 Nepal NA 156 Net Food Importing Developing Countries NA 157 Nether-
 lands NA 158 New Caledonia NA 159 New Zealand NA 160 Nicaragua NA 161
 Niger 34967904 162 Nigeria NA 163 Niue 12490 164 Northern Africa NA 165
 Northern America NA 166 Northern Europe NA 167 Norway NA 168 Occupied
 Palestinian Territory NA 169 Oceania NA 170 Oman NA 171 Pacific Islands
 Trust Territory NA 172 Pakistan NA 173 Panama NA 174 Papua New Guinea
 NA 175 Paraguay NA 176 Peru NA 177 Philippines 159093095 178 Poland NA
 179 Polynesia 1014496 180 Portugal NA 181 Puerto Rico NA 182 Qatar NA 183
 Republic of Korea NA 184 Republic of Moldova NA 185 Réunion 2140591 186
 Romania NA 187 Russian Federation NA 188 Rwanda NA 189 Saint Helena, As-
 cension and Tristan da Cunha 0 190 Saint Kitts and Nevis NA 191 Saint Lucia
 NA 192 Saint Pierre and Miquelon 181 193 Saint Vincent and the Grenadines
 NA 194 Samoa NA 195 Sao Tome and Principe NA 196 Saudi Arabia NA 197
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 201 Sierra Leone 16144131 202 Singapore NA 203 Slovakia NA 204 Slovenia
 NA 205 Small Island Developing States NA 206 Solomon Islands NA 207 So-

malia NA 208 South-Eastern Asia NA 209 South Africa NA 210 South America
 NA 211 South Sudan NA 212 Southern Africa NA 213 Southern Asia NA 214
 Southern Europe NA 215 Spain NA 216 Sri Lanka NA 217 Sudan NA 218 Su-
 dan (former) NA 219 Suriname 1062291 220 Swaziland NA 221 Sweden NA 222
 Switzerland NA 223 Syrian Arab Republic NA 224 Tajikistan NA 225 Thailand
 NA 226 The former Yugoslav Republic of Macedonia NA 227 Timor-Leste NA
 228 Togo NA 229 Tokelau NA 230 Tonga NA 231 Trinidad and Tobago NA 232
 Tunisia NA 233 Turkey NA 234 Turkmenistan NA 235 Tuvalu 5921 236 Uganda
 41222516 237 Ukraine NA 238 United Arab Emirates NA 239 United Kingdom
 NA 240 United Republic of Tanzania NA 241 United States of America NA 242
 United States Virgin Islands NA 243 Uruguay NA 244 USSR NA 245 Uzbek-
 istan 73840776 246 Vanuatu 607776 247 Venezuela (Bolivarian Republic of) NA
 248 Viet Nam NA 249 Wallis and Futuna Islands 41159 250 Western Africa NA
 251 Western Asia NA 252 Western Europe NA 253 Western Sahara 5541 254
 World NA 255 Yemen NA 256 Yugoslav SFR NA 257 Zambia NA 258 Zimbabwe
 NA Area.Code Area Item.Code Item 1 2 Afghanistan 221 Almonds, with shell 4
 2 Afghanistan 711 Anise, badian, fennel, coriander 7 2 Afghanistan 515 Apples
 10 2 Afghanistan 526 Apricots 13 2 Afghanistan 44 Barley 16 2 Afghanistan
 44 Barley Element.Code Element Unit Y1961 Y1961F Y1962 Y1962F Y1963
 Y1963F 1 5312 Area harvested ha NA NA NA 4 5312 Area harvested ha NA
 M NA M NA M 7 5312 Area harvested ha 2220 F 2220 F 2220 F 10 5312 Area
 harvested ha 4820 F 4820 F 4820 F 13 5312 Area harvested ha 350000 350000
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 Y1973F Y1974 Y1974F 1 NA NA NA NA 4 M NA M NA M NA M NA M
 NA M 7 F 3060 F 3060 F 3150 F 3210 F 3270 F 10 F 6630 F 6630 F 6810 F
 6950 F 7070 F 13 315000 315000 320000 320000 340200 16 Fc 25200 Fc 25600
 Fc 25600 Fc 27216 Fc 25600 Fc Y1975 Y1975F Y1976 Y1976F Y1977 Y1977F
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 F 3150 10 7080 F 7080 F 7100 F 7050 F 6810 F 6820 13 320000 310000 310000
 310000 304000 306000 16 24800 Fc 24800 Fc 24800 Fc 24320 Fc 24480 Fc 22240
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F 3300 7 3088 Im 3557 Im 3872 Im 4904 Im 4777 Im 4509 10 5286 Im 5309 Im
5369 Im 5454 Im 5200 F 6196 13 200000 200000 180000 124000 87000 236000
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8320 8350 9005 13 236000 267000 212000 190000 280000 278000 16 29370 Fc
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F 27398 F 27398 F country TotAreaHarv2016 1 Afghanistan 11727235 2 Africa
NA 3 Albania NA 4 Algeria NA 5 American Samoa NA 6 Americas NA 7 An-
gola NA 8 Antigua and Barbuda NA 9 Argentina 77917349 10 Armenia NA 11
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Azerbaijan NA 16 Bahamas NA 17 Bahrain NA 18 Bangladesh NA 19 Barba-
dos 8534 20 Belarus NA 21 Belgium NA 22 Belgium-Luxembourg NA 23 Belize
241837 24 Benin NA 25 Bermuda 932 26 Bhutan NA 27 Bolivia (Plurinational
State of) NA 28 Bosnia and Herzegovina NA 29 Botswana NA 30 Brazil NA 31
British Virgin Islands 126 32 Brunei Darussalam NA 33 Bulgaria NA 34 Burk-
ina Faso 20809407 35 Burundi NA 36 Cabo Verde NA 37 Cambodia 11514946
38 Cameroon NA 39 Canada NA 40 Caribbean NA 41 Cayman Islands 727 42
Central African Republic NA 43 Central America NA 44 Central Asia NA 45
Chad NA 46 Chile NA 47 China NA 48 China, Hong Kong SAR 5717 49 China,
Macao SAR NA 50 China, mainland NA 51 China, Taiwan Province of NA 52
Colombia NA 53 Comoros NA 54 Congo NA 55 Cook Islands 2490 56 Costa
Rica NA 57 Côte d'Ivoire NA 58 Croatia NA 59 Cuba NA 60 Cyprus NA 61
Czechia NA 62 Czechoslovakia NA 63 Democratic People's Republic of Korea
NA 64 Democratic Republic of the Congo NA 65 Denmark NA 66 Djibouti
28293 67 Dominica NA 68 Dominican Republic NA 69 Eastern Africa NA 70
Eastern Asia NA 71 Eastern Europe NA 72 Ecuador NA 73 Egypt NA 74 El
Salvador NA 75 Equatorial Guinea 145875 76 Eritrea 2390455 77 Estonia NA
78 Ethiopia NA 79 Ethiopia PDR NA 80 Europe NA 81 European Union NA
82 Faroe Islands 210 83 Fiji NA 84 Finland NA 85 France NA 86 French Guiana
NA 87 French Polynesia 28709 88 Gabon 590274 89 Gambia NA 90 Georgia NA
91 Germany NA 92 Ghana NA 93 Greece NA 94 Grenada NA 95 Guadeloupe
NA 96 Guam NA 97 Guatemala NA 98 Guinea 13008786 99 Guinea-Bissau NA

100 Guyana NA 101 Haiti 4352726 102 Honduras 3106593 103 Hungary NA
 104 Iceland NA 105 India NA 106 Indonesia NA 107 Iran (Islamic Republic of)
 NA 108 Iraq 7130170 109 Ireland NA 110 Israel NA 111 Italy NA 112 Jamaica
 248491 113 Japan NA 114 Jordan NA 115 Kazakhstan NA 116 Kenya NA 117
 Kiribati 27406 118 Kuwait NA 119 Kyrgyzstan NA 120 Land Locked Develop-
 ing Countries NA 121 Lao People's Democratic Republic NA 122 Latvia NA
 123 Least Developed Countries NA 124 Lebanon 624862 125 Lesotho NA 126
 Liberia 1258652 127 Libya NA 128 Lithuania NA 129 Low Income Food Deficit
 Countries NA 130 Luxembourg NA 131 Madagascar NA 132 Malawi NA 133
 Malaysia NA 134 Maldives 9424 135 Mali NA 136 Malta NA 137 Marshall Is-
 lands 7021 138 Martinique NA 139 Mauritania 1320209 140 Mauritius NA 141
 Melanesia NA 142 Mexico NA 143 Micronesia NA 144 Micronesia (Federated
 States of) NA 145 Middle Africa NA 146 Mongolia NA 147 Montenegro 34621
 148 Montserrat NA 149 Morocco NA 150 Mozambique 14270808 151 Myanmar
 NA 152 Namibia NA 153 Nauru 681 154 Nepal 15420823 155 Net Food Import-
 ing Developing Countries NA 156 Netherlands NA 157 New Caledonia NA 158
 New Zealand NA 159 Nicaragua NA 160 Niger 57104956 161 Nigeria NA 162
 Niue 7352 163 Northern Africa NA 164 Northern America NA 165 Northern
 Europe NA 166 Norway NA 167 Occupied Palestinian Territory NA 168 Ocea-
 nia NA 169 Oman NA 170 Pacific Islands Trust Territory NA 171 Pakistan NA
 172 Panama 842142 173 Papua New Guinea 1682566 174 Paraguay 11013038
 175 Peru NA 176 Philippines 36836082 177 Poland NA 178 Polynesia 173560
 179 Portugal NA 180 Puerto Rico NA 181 Qatar NA 182 Republic of Korea NA
 183 Republic of Moldova NA 184 Réunion 80635 185 Romania NA 186 Russian
 Federation NA 187 Rwanda NA 188 Saint Helena, Ascension and Tristan da
 Cunha NA 189 Saint Kitts and Nevis NA 190 Saint Lucia NA 191 Saint Pierre
 and Miquelon NA 192 Saint Vincent and the Grenadines NA 193 Samoa 67858
 194 Sao Tome and Principe 50981 195 Saudi Arabia NA 196 Senegal NA 197
 Serbia NA 198 Serbia and Montenegro NA 199 Seychelles NA 200 Sierra Leone
 4573599 201 Singapore NA 202 Slovakia NA 203 Slovenia NA 204 Small Island
 Developing States NA 205 Solomon Islands 133694 206 Somalia 1588420 207
 South-Eastern Asia NA 208 South Africa NA 209 South America NA 210 South
 Sudan NA 211 Southern Africa NA 212 Southern Asia NA 213 Southern Europe
 NA 214 Spain NA 215 Sri Lanka NA 216 Sudan NA 217 Sudan (former) NA
 218 Suriname 235989 219 Swaziland NA 220 Sweden NA 221 Switzerland NA
 222 Syrian Arab Republic NA 223 Tajikistan NA 224 Thailand NA 225 The
 former Yugoslav Republic of Macedonia NA 226 Timor-Leste NA 227 Togo NA
 228 Tokelau NA 229 Tonga NA 230 Trinidad and Tobago NA 231 Tunisia NA
 232 Turkey NA 233 Turkmenistan NA 234 Tuvalu 2117 235 Uganda 16474152
 236 Ukraine NA 237 United Arab Emirates NA 238 United Kingdom NA 239
 United Republic of Tanzania NA 240 United States of America NA 241 United
 States Virgin Islands NA 242 Uruguay NA 243 USSR NA 244 Uzbekistan NA
 245 Vanuatu 125703 246 Venezuela (Bolivarian Republic of) 3396543 247 Viet
 Nam NA 248 Wallis and Futuna Islands 8919 249 Western Africa NA 250 West-
 ern Asia NA 251 Western Europe NA 252 Western Sahara 13408 253 World
 NA 254 Yemen NA 255 Yugoslav SFR NA 256 Zambia NA 257 Zimbabwe NA

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country TotYield2016 TotProd2016 TotAreaHarv2016 1 Afghanistan 3583682
25241736 11727235 2 Africa 38961137 NA NA 3 Albania NA NA NA 4 Algeria
NA NA NA 5 American Samoa NA NA NA 6 Americas NA NA NA
```

3 Maps

Intro maps

```
OGR data source with driver: ESRI Shapefile
Source: "worldMap/worldMap.shp", layer: "worldMap"
with 246 features
It has 11 fields
Integer64 fields read as strings: POP2005
```