

Corn Measurements

Chloe

	2-4		5-5	
	2-3	3-2	5-4	
1-2	2-2	3-1	4-1	5-3
			5-2	
1-1	2-1		5-1	

↗ N

→ Not corn

Where naturally stands
↑

(height measured from ground to tallest part w/ leaf)
(measurements in cm)

#	height	Distance from closest other corn plant
1-1	57	56
1-2	58	56
2-1	29	101 91
2-2	73	104
2-3	34	26
2-4	46	26
3-1	55	91
3-2	44	101
4-1	40	96
5-1	58	115 115
5-2	56	52 Not corn
5-3	62	35 - one root out of ground
5-4	61	35 - right next to squash plant
5-5	61	104

leaves overlap

David Ruiz

Caleb Blair CCM Data

Height (cm) ~~Color~~

Distance apart (cm)

1-1	57	57
1-2	35	57
2-1	30	95
2-2	88	102
2-3	40	25
2-4	46	25
3-1	56	87
3-2	59	97
4-1	53	95
5-1	98	64 120 115
5-2	60	57
5-3	64	35
5-4	75	35
5-5	64	100

We measured
height BY grabbing
the leaves and
pulling them to
their tallest
points and measuring
from the ground

2-4	5-5
2-3 3-2	5-4
1-2 2-2 3-1 4-1	5-3
	5-2
1-1 2-1	5-1

Height is the height from the ground to the
tallest leaf pulled to its best

Megan, Danielle, Kir

- height
- nearest neighbor
- color

1	2	3	4	5
1-5	2-5	3-4	4-2	5-4
1-4	2-4	3-3		
1-3	2-3			5-3
1-2		3-2		5-2
1-1	2-2	4-1		5-1
	2-1	3-1		

Stalk - stalk
from middle of stalk

Name	height	nearest neighbor	color
1-1	71.5 cm	46 cm	purple
1-2	71.5 cm	37 cm	green
1-3	58 cm	38 cm	purple
1-4	71.5 cm	42 cm	purple
1-5	65 cm	31 cm	purple
2-1	55 cm	20 cm	green
2-2	57 cm	20 cm	purple
2-3	84 cm	47.5 cm	purple
2-4	64 cm	47.5 cm	purple
2-5	44 cm	31 cm	purple
3-1	29 cm	38 cm	purple
3-2	57 cm	49 cm	purple
3-3	78 cm	40 cm	purple
3-4	106 cm	40 cm	green
4-1	45 cm	62.5 cm	green
4-2	63 cm	52 cm	purple
5-1	62 cm	46 cm	purple
5-2	38 cm	44 cm	purple

Name

height

nearest neighbor

color

S-3

76 cm

~~44 cm~~ 44 cm

purple

S-4

28 cm

71 cm

green

Corn

Name	Height	NN
1-1	57 cm	56.5 cm
1-2	55 cm	56.5 cm
2-1	27.5 cm	92 cm → 92 cm
2-2	87 cm	100 cm
2-3	38 cm	26 cm
2-4	46 cm	26 cm
3-1	56 cm	92 cm
3-2	59.5 cm	99.5 cm
4-1	53 cm	55.5 cm
4-2	19 cm	55.5 cm
5-1	69 cm	115 cm → 115 cm
5-2	63 cm	31 cm
5-3	75 cm	31 cm
5-4	63 cm	106 cm

	2-4			5-4
	2-3			
		3-2		
				5-3
1-2	2-2		4-2	5-2
		3-1		5-2
			4-1	
1-1	2-1			5-1

Dogbane Ropes

7/8

Observer	Initial Mass	Processed Mass	Initial Length	Processed Length	Time
Caleb	3.9g	0.7g	69cm	30cm	32:86 + 5:07
Claire	4.3g	0.9g	86.5cm	42cm	38 + 7:00
Chloe	9.1g	1.5g	106cm	50cm	1:00:30
David	3.9g	.7g	85cm	32cm	52:18
Zoe	3.8g	1.4g	92cm	40cm	33:00

Yucca Ropes

Observer	Initial Mass	Processed Mass	Initial Length	Processed Length	Time
Claire	17.6g	5.8g	70cm	27.5cm	1:00:31
Danielle	19.5g	6.8g	76cm	31cm	47:14 + 4:07
Kirsten	21.2g	6.7g	77cm	27cm	1:08:08
Megan	17.6g	6.4g	74.5cm	28cm	1:13:12
Patricia	12.8g	3.6g	60.5cm	21cm	1:29:58 + 2:42
Zoe	17.8g	5.6g	75cm	12cm	1:24:36

David Ruiz

Garden data collection

7/8/19

Caleb Blair Sun Flower data

ID	Height (cm)	Space from nearest Sunflower	
Row 1:			
1	70 cm	48 cm	Purple
2	70 cm	39 cm	Not Purple
3	53 cm	43 cm	Purple
4	64 cm	48 cm	Purple
5	62 cm	30 cm	Purple
Row 2:			
1	52 cm	21 cm	Purple
2	55 cm	21 cm	Purple
3	79 cm	49 cm	Purple
4	58 cm	49 cm	Purple
5	40 cm (Very close to row 1: 5)	28 cm	Purple
Row 3:			
1	24 cm	48 cm	Purple
2	48 cm	51 cm	Purple
3	73 cm	43 cm	Purple
4	97 cm	43 cm	Not Purple
Row 4:			
1	37 cm	67 cm *	Not Purple
2	55 cm	44 cm	Purple
Row 5:			
1	59 cm	46 cm	Purple
2	33 cm	43 cm	Purple
3	67 cm	43 cm	Purple
4	25 cm	73 cm *	Purple

1L at a time

Rope Strength

Name Material Kg held

(orange)

one bucket (26)

two buckets

26

(4)

26

36

Failed @ 5, broke b/w 10 + 11

26

36

26

26

36

36

Kathryn Dogbane IIII IIII IIII

Patricia Yucca IIII IIII IIII IIII

Caleb Dogbane IIII IIII IIII

Megan Yucca IIII IIII IIII IIII IIII IIII IIII IIII

Claire Dogbane IIII IIII IIII

Kirsten Yucca IIII IIII IIII IIII IIII IIII IIII IIII

Zoe Dogbane IIII IIII 10.5

Claire Yucca IIII IIII IIII IIII IIII IIII

Chloe Dogbane IIII IIII IIII IIII

David Dogbane IIII

Danielle Yucca IIII IIII IIII IIII IIII IIII

Zoe Yucca IIII IIII IIII IIII IIII IIII IIII

Dry Rope Mass DRY 7/9/19

<u>Broken</u> <u>Name</u>	<u>Mass</u>	<u>Material</u>	<u>Length</u>
Kirsten	5.1g	Yucca	14cm
Patricia	1.8g	Yucca	11.5cm
Claire	.5g	Dogbane	17cm
Megan	3.1g	Yucca	15cm
Caleb	.6g	Dogbane	17cm
Kathryn	.7g	Dogbane	24.5cm
<u>Intact</u>			

<u>Name</u>	<u>Mass</u>	<u>Length</u>	<u>Material</u>	* <u>Length</u> 1 Knot to 1 Knot
Zoe	2.2g	13cm	Yucca	
Danielle	2.5g	15cm	Yucca	
Claire	3.2g	12cm	Yucca	
Zoe	.9g	25cm	Dogbane	
Chloe	1.4g	40cm	Dogbane	
David	.5g	20cm	Dogbane	