

Cutting Measurements

ID	stick	rad diam	# leaves	# stems	length of each stem
166	7.0	5.9	58	3	20.8, 19.0, 685
64	6.8	5.2	45	5	25.3, 2.8, 22, 39.5, 485
11	6.5	5.2	112	4	9.8, 180, 125, 12.8, 455
163	9.4	6.4	76	4	144, 277, 145, 605
20	7.1	3.9	57	8	282, 22, 40.8, 16.3, 8.8, 25.9, 3235
126	8.9	6.7	67	4	27.1, 99.3, 190, 731
35	5.3	3.1	71	6	259, 145, 12.8, 71.8, 157, 135
145	7.2	4.0	92	4	25.4, 68.7, 89.8, 485
141	7.6	4.5	90	2	110, 438
165	6.8	4.4	59	6	23, 39, 76.6, 474, 335, 66.5
136	9.3	7.5	39	2	57.5, 534
113	6.5	4.4	75	5	57, 489, 19.2, 76, 306
81	6.6	5.3	50	1	735
90	8.5	4.1	101	6	444, 29.1, 10.1, 149, 215, 290
180	8.9	4.1	28	1	458,
13	10.8	5.8	129	10	17.6, 10.9, 44.2, 20.0, 27.7, 235, 28.2, 368, 15.8, 524
107	7.6	4.3	69	5	34.5, 40.1, 25.6, 85.1, 305
102	7.5	4.5	74	5	151, 26.5, 15.0, 20.9, 50.9
118	6.6	6.3	119	6	77.9, 96.3, 40.9, 7.5, 16.1, 42.4
94	16.9	3.2	91	7	256, 12.8, 21.4, 29.4, 155, 180, 8.4, 282
73	10.9	5.4	106	7	180, 5.0, 36.2, 33.3, 77.8, 500, 445
45	9.2	5.1	104	9	6.6, 1.2, 5.9, 3.6, 7.4, 21.2, 164, 470, 135
29	6.8	4.7	67	4	43.8, 1.3, 2.0, 430,
49	7.4	4.7	94	6	76, 10.2, 95, 151, 350, 590
69	6.7	3.0	59	3	240, 254, 305,
38	9.5	3.6	82	5	210, 101, 88, 218, 342
56	8.9	6.2	74	7	2.4, 12.4, 11.7, 30.1, 73, 575
5	7.2	4.1	90	5	415, 9.6, 367, 20.6, 280
14	9.7	5.1	108	6	773, 15.8, 102, 48.1, 144, 513
63	7.4	3.8	64	3	178, 243, 355
7	7.0	4.4	111	7	61.2, 67.6, 6.7, 9.2, 31.7, 258, 545
19	8.0	4.9	116	4	13.3, 14.6, 6.4, 486
158	7.2	5.0	49	3	78.3, 155, 438

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Treatment	10	stick	larg diam	# leaves	# stems	length of each stem
micro	149	10.9	5.3	95	6	226, 68, 145, 312, 587
ME	112	7.3	3.9	115	6	40, 47, 157, 242, 360, 359
ME	80	10	6.1	79	1	604
ME	122	8.3	7.2	48	2	3.6, 684
ME	137	8.2	4.6	49	3	23.3, 143, 393
ME	176	6.7	4.5	80	6	115.8, 9.1, 58.7, 137.6, 11.7, 495
micro stand	115	8.1	4.8	129	3	310, 134, 220
MS	92	7.4	5.5	80	8	9.3, 14.1, 28.4, 18.4, 498, 520, 209, 456
MS	53	5.2	4.4	119	6	132, 174, 101, 352, 120, 521
MS	98	7.5	6.0	48	2	200, 570
MS	71	6.7	4.7	84	6	19.7, 180, 163, 62, 10.5, 500
MS	76	8.6	4.9	82	7	49, 214, 8.1, 51, 63, 340, 175
micro half	46	8.5	4.8	74	6	5.1, 1.3, 14.5, 450, 2.8, 495
MH	58	5.7	3.2	59	4	238, 21.5, 333, 215
MH	27	9.0	5.7	76	8	246, 9.7, 3.5, 13.6, 5.2, 164, 5.0, 480
MH	37	8.9	3.8	61	4	3.6, 373, 263, 314
MH	108	8.5	4.0	43	5	42.9, 257, 1.1, 33, 231
MH	179	7.9	4.8	76	9	11.8, 11.5, 11.7, 12.2, 11.9, 9.0, 9.7, 302, 353
MH	42	10.3	6.5	94	8	21.0, 192, 155, 25, 177, 40, 179, 477
MH	170	6.7	5.2	40	3	4.9, 19.0, 370
MH	85	9.6	5.2	75	2	9.7, 524
MH	172	10.9	5.3	95	10	108, 332, 140, 10.4, 26.4, 283, 388, 94, 272, 373
Control normal	109	5.3	3.1	78	7	122, 70, 179, 2.5, 124, 248
CN	68	8.0	3.2	127	14	17.8, 256, 9.2, 26.4, 53.5, 4.8, 42.1, 96.0, 395, 215, 11.7, 14.6, 20, 320
CN	124	7.2	5.2	94	2	16.4, 618
CN	93	6.7	3.1	63	4	130, 21.6, 64, 138
CN	97	5.0	3.3	39	2	3.3, 395
CN	43	9.5	5.8	127	19	64, 4.6, 2.1, 1.5, 6.5, 8.9, 8.7, 16.4, 22.5, 3.1, 5.6, 2.6, 2.1, 3.2, 3.3, 6.7, 2.1, 20.5, 165, 578

6/11/09

cuttings
Willow Greenhouse Experiment – SEEDLINGS
Drs. John E. Fauth & Pedro Quintana-Ascencio
Department of Biology, UCF

Date:

Pot ID	Original treatment	Stem diam (mm)	Height (mm)	Number of leaves	Number of branches	Crown width (mm)
36	Episodic N	9.4	5.6	48	2	575, 340
164	Episodic N	7.9	4.7	68	8	13.6, 6.15, 6.6, 28, 63, 33
155	Episodic N	5.5	2.4	27	2	72, 80
2	Episodic N	9.3	6.2	43	3	610, 20, 37
23	Episodic N	7.3	4	146	6	3.8, 17.0, 12.4, 49.7, 225, 250
61	Episodic N	7.0	7.2	62	6	12.9, 29.6, 23.8, 252, 58.6, 375
3	Episodic N	10.5	5.0	77	5	90, 105, 160, 333, 585
51	Episodic N	9.2	6.2	102	5	71, 65, 40, 190, 665
138	half N	8.9	4.3	60	6	3.2, 2, 11.1, 38.5, 220, 295
79	half N	15.1	4.7	74	3	6.7, 320, 355
154	half N	7.8	4.3	161	4	2.4, 186, 210, 305
55	half N	10.4	6.4	52	3	3.4, 20.8, 630
89	half N	9.2	5.5	58	3	5.9, 80, 465
120	half N	7.4	4.7	94	2	3.9, 385
105	half N	8.4	4.2	88	9	5.6, 31.6, 20.1, 38.4, 46.7, 28.8, 47.3, 109, 16
78	half N	6.9	3.6	107	2	58, 14.5
151	normal N	6.7	3.0	118	2	136, 187
17	normal N	8.9	2.2	109	6	155, 25.1, 16.2, 34.8, 34.5, 464
10	normal N	5.2	4.9	112	4	10.5, 11.4, 31.6, 590
144	normal N	7.4	2.9	39	1	210
130	normal N	6.7	2.4	130	12	220, 78, 71, 217, 124, 19, 144 91, 168, 8.6, 48, 358
25	normal N	7.8	4.0	36	3	20.7, 7.3, 372
47	standing H ₂ O, N	8.6	5.1	84	3	236, 418, 467
121	standing H ₂ O, N	8.0	6.1	87	4	55.2, 16.1, 298, 696
70	standing H ₂ O, N	7.5	5.5	48	2	7.3, 632
91	standing H ₂ O, N	6.4	3.6	120	5	21.9, 5.7, 28.3, 213, 351
110	standing H ₂ O, N	7.3	3.5	71	4	28, 88, 168, 201
100	standing H ₂ O, N	8.6	4.8	70	7	22.9, 174, 48.2, 7.0, 74, 10.5 464

Willow Greenhouse Experiment – CUTTINGS
Drs. John E. Fauth & Pedro Quintana-Ascencio
Department of Biology, UCF

Date:

11/29/19
Treatment

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Cutting ID #	Stick diameter	Dia. of largest stem	Number of leaves	Number of stems	Length/stem (Measure bottom to top!)
135	6.3	2.7	44	2	158, 220
116	8.4	5.8	68	6	19.8, 9.3, 12.2, 71.5, 15.4, 414
87	7.5	4.8	91	7	65, 55, 144, 19.8, 354, 473
104	5.3	3.8	94	6	7.5, 7.9, 78, 11.0, 22.8, 136
57	8.4	4.9	78	4	21.2, 22.0, 518, 398
75	9.0	4.7	129	12	15.3, 24.3, 136, 99, 57, 165, 47, 31, 401, 225, 146, 16
84	5.2	3.9	105	3	159, 190, 449
50	7.8	6.6	65	2	700, 235
4	6.2	5.0	48	3	12.2, 434, 206
33	8.9	6.6	44	2	524, 192
21	9.3	4.0	114	4	106, 226, 132, 182
66	8.0	4.7	52	3	34.9, 265, 262
132	9.2	4.6	111	12	105.8, 19, 29.2, 69.1, 4.8, 21.6, 14.8, 2.9, 2.2, 13.3, 412, 384
39	8.0	4.8	60	4	2.6, 16.0, 7.5, 225
12	7.4	4.6	99	8	11.6, 8.4, 8.5, 7.2, 4.4, 73.7, 124, 440
147	12.4	5.7	145	9	12.5, 13.8, 37, 30.9, 365, 60, 22, 318, 375
140	8.7	4.5	80	9	41.4, 13.0, 5.7, 3.3, 49.6, 50.1, 30.6, 470
26	9.8	4.9	55	3	2.4, 205, 482

Willow Greenhouse Experiment – CUTTINGS
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Date:

	Cutting ID #	Stick diameter	Dia. of largest stem	Number of leaves	Number of stems	Length/stem (Measure bottom to top!)
Norm	134	9.0	4.5	52	3	250, 43, 445,
PN	106	9.3	4.7	112	6	2.4, 12.4, 42.2, 2.2, 79.0, 257
PN	117	7.1	2.9	70	7	19.6, 28.7, 153, 54, 11.8, 21, 171
PN	88	9.8	6.2	79	4	13.8, 44.3, 225
PN	77	7.0	4.4	91	5	25.8, 114, 14.0, 323, 423
PN	59	7.1	4.2	60	4	37.2, 26, 12.2, 478, 696
PN	48	9.2	4.9	80	5	9.5, 394, 184, 26, 550
PE	72	8.3	6.2	62	5	182, 10.1, 26.9, 81.2, 622
PE	111	9.0	6.5	70	6	185, 7.4, 7.9, 3.4, 3.2, 618
PE	96	7.0	3.7	152	6	38.9, 46.4, 127, 198, 197, 115
PE	101	4.0	3.1	34	2	230, 358
stand	9	6.0	4.1	72	3	83, 435, 525
PS	143	6.8	4.0	61	6	229, 245, 250, 7.7, 74.2, 11.3
PS	162	6.3	3.0	38	3	137, 166, 110,
PS	40	6.2	4.0	51	2	421, 458,
PS	18	12.6	6.6	99	5	6.5, 285, 273, 570, 58
PS	129	5.3	4.6	43	4	100, 7.6, 9, 9, 576
	125	8.3	4.7	79	6	8.1, 169, 8.3, 343, 445, 17.4

Willow Greenhouse Experiment – CUTTINGS
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Date:

	Cutting ID #	Stick diameter	Dia. of largest stem	Number of leaves	Number of stems	Length/stem (Measure bottom to top!)
PH	34	6.6	4.4	25	1	430
PH	54	8.5	5.1	111	8	10.4, 14.0, 42.3, 58.3, 7.5, 14.5, 155, 530
PH	82	7.0	4.3	92	4	3.1, 24.9, 440, 512
PH	156	7.2	3.6	91	8	10.9, 73.2, 58.6, 38.3, 30.3, 7.6, 4.9, 140
PH	22	6.9	4.9	85	5	12.3, 23.9, 10.0, 3.7, 444
PH	65	7.2	3.7	60	6	11.8, 8.3, 37.2, 8.7, 212, 292
PH	148	8.9	5.0	98	6	42, 8.8, 4.0, 182, 14.6, 428
PH	32	5.2	3.1	47	2	105, 293
PH	6	6.1	5.0	57	3	155, 58, 537
PH	174	7.5	4.3	65	3	8.3, 245, 272
IP stand	119	7.5	4.4	94	9	60.8, 16.2, 15.9, 29.7, 3.8, 8.9, 9.8, 147, 315
JPS	60	7.9	6.0	51	3	4.9, 140, 554
NPS	168	8.2	3.6	84	3	7.8, 130, 175
NPS	133	7.9	4.6	35	2	36.4, 487
NPS	103	7.3	5.2	72	4	23.6, 50.5, 120, 421
NPS	74	9.4	5.0	65	4	46, 53, 329, 245
NPS	86	10.3	4.9	89	8	5.9, 27.3, 261, 153, 55, 460, 333
IP Ho14	178	8.4	4.5	81	4	149, 618, 574, 102

Willow Greenhouse Experiment – CUTTINGS
Drs. John E. Fauth & Pedro Quintana-Ascencio
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Date:

	Cutting ID #	Stick diameter	Dia. of largest stem	Number of leaves	Number of stems	Length/stem (Measure bottom to top!)
NPH	150	5.6	3.8	112	12	51.5, 94.7, 14.9, 7.5, 12.5, 9.5, 9.5, 1.5, 18.8, 11.7, 475, 5.0
JPH	99	6.6	2.5	70	8	61, 11.9, 7.0, 1.9, 121.1, 82.9, 115, 113
NPH	67	3.8	2.3	33	2	132, 144,
NPH	123	8.8	5.5	59	5	4.4, 1.9, 133.5, 92.5, 660
JPH	114	5.3	4.3	105	5	41.1, 25.5, 38.4, 103 455, 157
NPH	44	7.2	4.2	97	6	9.9, 130.2, 43.5, 207, 192, 231
JPH	146	9.3	4.9	30	1	470
NPH	159	4.8	2.0	62	4	52.8, 9.8, 210, 147
JPNorm	83	9.2	4.6	95	2	29.2, 527
JPN	52	8.3	4.3	118	7	5.2, 135, 16.6, 406, 472, 278, 205
JPN	31	8.7	3.5	65	4	247, 313, 137, 208
NPN	175	6.6	5.4	58	6	377, 15.3, 9.1, 18.9, 34.8, 689
NPN	24	8.0	5.3	102	3	20.9, 116, 356
NPN	62	5.3	3.8	32	1	316
	41	9.2	3.3	104	12	21.8, 23.3, 10.6, 27.3, 31.9, 41.4, 64.1, 149.0, 52.7, 55.3, 46.5, 173
	30	6.8	3.6	52	5	44.7, 8.2, 4.8, 15.1, 356
	139	9.4	4.6	63	2	65.8, 445
	8	9.7	5.8	80	5	33.1, 11.7, 34.8, 770, 632

