

***** MEANS BY FAMILY *****

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 15-02-01C
 SPECIES: Pinus maximinoi
 COMPANY: Carton de Colombia

SITE NAME: Finca La Union, Cauca
 ELEVATION (m): 1750
 LATITUDE: 2°36'N
 LONGITUDE: 76° 34'W
 ANNUAL PRECIPITATION (mm): 2058

<u>FAMILY</u>	<u>NUMBER OF TREES</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>INDIVIDUAL TREE VOLUME CUBIC METERS</u>
88	50	93	6.74	7.5	0.01219
71	49	91	6.89	7.1	0.01161
76	51	94	6.27	7.0	0.00985
61	48	89	6.57	6.7	0.00972
80	52	96	6.29	6.8	0.00965
36	52	96	6.16	6.5	0.00920
73	50	93	5.80	7.1	0.00920
50	51	94	5.97	6.4	0.00845
69	53	98	5.85	6.5	0.00834
13	50	93	5.62	6.5	0.00814
4	51	94	5.92	6.4	0.00813
16	58	97	5.79	6.4	0.00810
63	49	91	5.82	6.5	0.00809
56	56	93	5.87	6.4	0.00788
66	51	94	5.75	6.4	0.00781
11	53	98	5.56	6.2	0.00759
83	50	93	5.57	6.3	0.00753
8	52	96	5.43	6.1	0.00728
6	49	91	5.33	6.1	0.00718
10	53	88	5.49	5.9	0.00705
14	51	94	5.15	5.7	0.00696
59	53	98	5.42	5.8	0.00665
39	51	94	5.47	5.7	0.00658
102	53	96	5.56	5.8	0.00641
7	50	93	5.00	5.9	0.00632
44	51	94	5.34	5.7	0.00622
147	53	98	5.78	5.8	0.00620
46	50	93	5.31	5.7	0.00617
2	52	96	5.35	5.5	0.00614
18	55	93	5.15	5.8	0.00610
143	51	96	5.08	5.9	0.00598

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15-02-01C CONTINUED....

<u>FAMILY</u>	<u>NUMBER OF TREES</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>INDIVIDUAL TREE VOLUME CUBIC METERS</u>
148	54	100	5.22	5.8	0.00595
160	51	94	5.31	5.7	0.00583
37	53	98	5.15	5.5	0.00582
*997	52	96	4.33	6.3	0.00580
140	49	91	5.00	5.5	0.00557
22	50	93	4.89	5.6	0.00549
162	48	89	5.11	5.4	0.00548
93	52	96	4.95	5.5	0.00546
52	52	96	4.99	5.5	0.00540
48	48	89	5.19	5.2	0.00510
97	53	98	4.63	5.5	0.00505
31	48	89	5.02	5.3	0.00495
107	47	87	4.60	5.5	0.00493
133	52	96	4.64	5.2	0.00481
106	51	94	4.45	5.2	0.00475
95	50	93	4.68	4.8	0.00438
156	47	87	4.80	4.8	0.00435
94	50	93	4.78	4.9	0.00429
108	46	87	4.42	5.0	0.00395
151	50	93	4.76	4.5	0.00394
42	47	87	4.49	4.7	0.00390
109	37	93	4.47	4.6	0.00377
*998	47	87	4.18	4.9	0.00376
145	39	72	3.45	3.4	0.00210

**OVERALL	2672	93	5.34	5.8	0.00662

* CONTROL LOT: 997 = Pinus kesiya, Rodhesia
998 = Pinus oocarpa, Guatemala

** OVERALL MEAN DOES NOT INCLUDE CONTROL LOT

NOTE: Tree volume with bark was calculated using a formula for
juvenile trees: Volume (m³) = .00003 D² H, where D = D.B.H.
in centimeters and H = total height in meters.

***** MEANS BY PROVENANCE *****

THREE YEAR MEASUREMENT

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<u>PROVENANCE</u>	<u>NUMBER OF TREES</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>VOLUME CUBIC METERS/ha</u>
San Jeronimo, Gua.	503	93	6.15	6.8	9.7
Coban	624	94	5.40	6.0	7.3
San Juan Sacat.	612	94	5.38	5.7	6.7
Control 997	52	96	4.33	6.3	6.2
Tatumbula	494	92	4.91	5.3	5.2
Marcala	439	93	4.74	5.2	5.0
Control 998	47	87	4.18	4.9	3.6

* CONTROL LOTS: 997 = Pinus kesiya, Rodhesia
 998 = Pinus oocarpa, Guatemala

NOTE: Tree volume with bark was calculated using a formula for
 juvenile trees: Volume (m³) = .00003 D² H, where D = D.B.H.
 in centimeters and H = total height in meters.