

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 15-02-01Y

SPECIES: Pinus maximinoi

COMPANY: Carton de Colombia

SITE NAME: Finca Aguaclara, Valle de Cauca

ELEVATION (m): 1400

LATITUDE: 3°41'N

LONGITUDE: 76° 33'W

ANNUAL PRECIPITATION (mm): 1185

<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>
57	52	96	6.38	8.7	0.01529
148	52	96	5.94	8.7	0.01430
50	52	96	6.44	8.3	0.01419
85	51	94	6.51	8.2	0.01387
77	50	93	6.26	8.3	0.01361
274	51	94	5.75	8.6	0.01355
162	52	96	6.14	8.4	0.01347
165	50	93	6.05	8.1	0.01322
53	49	91	6.13	8.2	0.01308
88	52	96	6.11	8.2	0.01299
89	51	94	5.68	8.5	0.01288
76	53	98	5.97	8.1	0.01250
160	51	94	5.78	8.3	0.01249
218	47	87	5.85	8.1	0.01248
151	50	93	6.17	7.9	0.01247
83	52	96	5.78	8.0	0.01199
102	53	98	6.18	7.8	0.01189
78	50	93	5.78	7.9	0.01180
80	52	96	6.09	7.7	0.01178
285	51	94	5.76	8.1	0.01174
60	52	96	6.19	7.8	0.01165
13	54	100	5.72	7.8	0.01161
22	54	100	5.60	8.1	0.01157
14	53	98	5.79	7.9	0.01126
154	51	94	5.93	7.7	0.01124
18	50	93	5.90	7.6	0.01109
282	49	91	5.45	7.9	0.01103
107	51	94	5.56	7.9	0.01096
26	53	98	5.68	7.8	0.01095
46	52	96	5.93	7.6	0.01089
110	52	96	5.50	7.8	0.01061
158	48	89	5.65	7.8	0.01055

CONTINUED NEXT PAGE.....

15-02-01Y 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>
75	50	93	5.47	7.6	0.01031
112	53	98	5.25	7.6	0.01015
223	50	93	5.40	7.5	0.00989
48	53	98	5.71	7.1	0.00981
66	50	93	5.59	7.4	0.00978
*998	53	98	4.81	7.8	0.00971
197	54	100	4.99	7.6	0.00934
246	48	89	4.99	7.2	0.00932
29	53	98	5.21	7.5	0.00925
*997	52	96	4.59	7.8	0.00870
20	51	94	5.12	7.3	0.00856
23	52	96	5.11	7.1	0.00845
213	54	100	5.37	7.0	0.00844
52	48	89	5.24	6.9	0.00835
161	50	93	5.37	6.9	0.00834
51	53	98	5.30	6.9	0.00830
205	50	93	4.86	7.0	0.00815
54	53	98	5.22	6.5	0.00737
241	50	93	4.65	6.5	0.00721
248	51	94	4.75	6.3	0.00666
203	52	96	4.58	6.3	0.00609
-----					
**OVERALL	2615	95	5.64	7.7	0.01092
-----					

\* CONTROL LOT: 997 = Pinus kesiya, Samaria  
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 (m<sup>3</sup>) = .00003 D<sup>2</sup> H, where D = D.B.H.  
in centimeters and H = total height in meters.

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 15-02-01Y

SPECIES: Pinus maximinoi

COMPANY: Carton de Colombia

SITE NAME: Finca Aguaclara, Valle de Cauca

ELEVATION (m): 1400

LATITUDE: 3°41'N

LONGITUDE: 76°33'W

ANNUAL PRECIPITATION (mm): 1185

<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.	511	95	5.93	8.0	12.8
Altamirano	151	93	5.65	8.2	12.6
Tatumbra	404	94	5.88	8.0	12.5
San Juan Sacat.	441	95	5.86	7.6	11.8
Marcala	215	97	5.59	7.7	11.6
Coban	431	97	5.54	7.6	11.2
Control 998	53	98	4.81	7.8	10.6
Monte Cristo	157	93	5.48	7.4	10.4
Control 997	52	96	4.59	7.8	9.3
Coapilla	156	96	4.81	7.0	8.4
Cienaga de Leon	149	92	4.79	6.7	7.9

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

NOTE: Tree volume with bark was calculated using a formula for juvenile trees: Volume (m<sup>3</sup>) = .00003 D<sup>2</sup> H, where D = D.B.H. in centimeters and H = total height in meters.