

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 15-02-01Z

SPECIES: Pinus maximinoi

COMPANY: Carton de Colombia

SITE NAME: Finca La Samaria, Valle de Cauca

ELEVATION (m): 1750

LATITUDE: 4°03'N

LONGITUDE: 76° 29'W

ANNUAL PRECIPITATION (mm): 2859

<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>
72	48	89	8.50	10.3	0.02867
71	51	94	8.45	10.2	0.02717
150	45	83	8.06	10.1	0.02614
269	52	96	7.15	9.9	0.02303
39	47	87	7.78	9.8	0.02286
271	53	98	6.95	10.0	0.02269
7	51	94	6.87	10.2	0.02212
47	52	96	8.00	9.3	0.02204
61	51	94	7.72	9.6	0.02203
147	49	91	7.32	9.7	0.02196
15	51	94	7.70	9.3	0.02186
8	49	91	7.15	9.9	0.02180
6	54	100	7.10	9.9	0.02138
40	52	96	8.00	9.2	0.02137
64	50	93	7.72	9.2	0.02134
73	51	94	7.00	9.8	0.02110
142	49	91	7.16	9.2	0.02090
134	51	94	6.95	9.1	0.02083
11	48	89	7.46	9.2	0.02060
36	51	94	7.56	9.1	0.02047
136	50	93	7.44	9.1	0.02026
263	50	93	6.94	9.5	0.02014
63	50	93	7.10	9.5	0.02013
38	53	98	7.46	9.0	0.02001
268	52	96	6.52	9.6	0.01933
35	52	96	7.48	9.1	0.01930
235	51	94	6.97	9.2	0.01911
143	47	87	6.82	9.4	0.01904
17	51	94	7.12	9.2	0.01892
37	54	100	7.08	9.0	0.01847
69	51	94	6.80	9.1	0.01811

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15-02-01Z 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>
67	49	91	6.87	9.1	0.01796
177	53	98	6.63	9.2	0.01793
1	50	93	6.80	8.9	0.01787
92	44	81	6.64	9.0	0.01756
216	53	98	6.50	8.9	0.01677
62	51	94	6.77	8.6	0.01642
49	50	93	6.74	8.7	0.01641
233	52	96	6.37	8.9	0.01639
133	50	93	6.16	9.1	0.01633
*997	52	96	5.79	9.2	0.01592
31	52	96	6.49	8.7	0.01590
195	52	96	6.24	8.9	0.01564
93	49	91	6.48	8.6	0.01551
19	52	96	6.82	8.1	0.01420
180	51	94	6.01	8.6	0.01412
*998	41	76	5.66	8.6	0.01403
234	52	96	5.85	8.6	0.01398
94	46	85	6.58	8.0	0.01332
145	42	78	5.83	7.9	0.01270
212	50	93	5.97	7.7	0.01221
43	50	93	5.93	7.7	0.01142
215	46	85	5.43	7.4	0.01011

**OVERALL	2560	93	6.97	9.1	0.01896

* 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 (m³) = .00003 D² H, where D = D.B.H.
in centimeters and H = total height in meters.

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

THREE YEAR MEASUREMENT

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

SITE NAME: Finca La Samaria, Valle de Cauca
 ELEVATION (m): 1750
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 ANNUAL PRECIPITATION (mm): 2859

<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>
Altamirano	207	96	6.89	9.8	22.7
San Jeronimo, Gua.	418	93	7.40	9.5	22.0
Coban	406	94	7.12	9.3	20.7
San Juan Sacat.	542	95	7.29	9.0	20.1
Tatumbla	388	89	6.98	9.2	19.5
Cienaga de Leon	155	96	6.39	8.9	17.5
Coapilla	156	96	6.30	8.9	17.0
Control 997	52	96	5.79	9.2	17.0
Marcala	139	86	6.56	8.5	14.7
Monte Cristo	149	92	5.99	8.0	13.5
Control 998	41	76	5.66	8.6	11.8

* CONTROL LOTS: 997 = Pinus kesiya, Samaria
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 juvenile trees: Volume (m³) = .00003 D² H, where D = D.B.H. .
 in centimeters and H = total height in meters.