

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 04-02-01A
 SPECIES: Pinus tecunumanii
 Guatemala 1981
 COMPANY: Carton de Colombia

SITE NAME: Finca Salinas, Cauca
 ELEVATION (m): 2400
 LATITUDE: 20° 20' N
 LONGITUDE: 76° 32' W
 ANNUAL PRECIPITATION (mm): 1930

<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>
Control 203	40	74	6.72	12.9	31.0
San Jeronimo	345	64	6.84	13.3	27.9
Control 200	39	72	6.45	12.1	25.0
San Lorenzo	320	54	6.72	12.8	21.5
Control 202	33	61	6.36	11.2	18.1
Control 201	31	57	4.29	7.6	6.2

CONTROL LOT: 200 = Commercial control Pinus tecunumanii
 201 = Pinus oocarpa Chiquimula, Guatemala
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize
 203 = Pinus oocarpa Mal Paso, Guatemala

NOTE: Tree volume with bark was calculated using a formula for
 juvenile trees: Volume(cubic meters) = .00003 D²H, where
 D = D.B.H. in centimeters and H = total height in meters.

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 04-02-01A
 SPECIES: Pinus tecunumanii
 Guatemala 1981
 COMPANY: Carton de Colombia

SITE NAME: Finca Salinas, Cauca
 ELEVATION (m): 2400
 LATITUDE: 2° 20' N
 LONGITUDE: 76° 32' W
 ANNUAL PRECIPITATION (mm): 1930

<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>
95	41	76	7.15	14.4	0.04603
3	35	65	7.10	13.9	0.04332
47	36	67	7.10	13.6	0.04234
86	33	61	6.95	13.5	0.04118
102	25	46	6.88	13.8	0.04097
19	38	70	6.97	13.5	0.04042
99	29	54	6.71	13.5	0.03941
8	24	44	7.40	12.9	0.03936
101	44	81	6.90	13.3	0.03843
103	34	63	6.63	13.3	0.03813
9	32	59	7.05	13.3	0.03791
*203	40	74	6.72	12.9	0.03771
100	33	61	6.70	13.2	0.03768
84	36	67	6.82	12.9	0.03752
1	30	56	6.32	13.1	0.03564
14	31	57	6.86	12.7	0.03520
135	29	54	6.22	13.1	0.03492
4	20	37	6.45	12.8	0.03372
10	32	59	6.55	11.7	0.03229
44	27	50	6.20	12.4	0.03172
*200	39	72	6.45	12.1	0.03115
6	25	46	6.63	11.6	0.02927
7	31	57	6.40	11.4	0.02719
*202	33	61	6.36	11.2	0.02667
*201	31	57	4.29	7.6	0.00973

**OVERALL	665	59	6.78	13.1	0.03766

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04-02-01A CONTINUED

* CONTROL LOTS: 201 = Pinus oocarpa Chiquimula, Guatemala
202 = Pinus tecunumanii Mt. Pine Ridge, Belize
203 = Pinus oocarpa Mal Paso, Guatemala
200 = Commercial Control Pinus tecunumanii

** Overall mean does not include control lots.

NOTE: Tree volume with bark was calculated using a formula for juvenile trees: $\text{Volume(cubic meters)} = .00003 D^2 H$, where D = D.B.H. in centimeters and H = total height in meters.