

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

THREE 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>PROVENANCE</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>**VOLUME CUBIC METERS/ha</u>
San Jeronimo, Gua.	83	3.38	4.9	2.6
Control Lot 203	85	3.10	4.8	2.6
San Lorenzo, Gua.	74	3.16	4.6	1.9
Control Lot 200	76	3.05	4.1	1.7
Control Lot 202	67	3.24	4.4	1.6
Control Lot 201	67	2.04	2.9	0.6

CONTROL LOTS: 201= Pinus oocarpa Chiquimula, Guatemala

202= Pinus tecunumanii Mt. Pine Ridge, Belize

203= Commercial Control Pinus oocarpa Mal Paso, Guatemala

200= Commercial Control Pinus tecunumanii

** 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.

PROVENANCES/FAMILIES

<u>PROVENANCE</u>	<u>FAMILIES</u>
San Lorenzo, Gua.	1 3 4 6 7 8 9 14 44 47 135
San Jeronimo, Gua.	10 19 84 86 95 99 100 101 102 103

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 04-02-01A

SPECIES: Pinus tecunumanii (Guatemala-1981)

COMPANY: Cartón de Colombia

<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	54	87	3.60	5.1	0.00323
102	54	76	3.47	5.2	0.00321
99	54	72	3.49	5.0	0.00318
100	54	83	3.46	5.0	0.00292
103	54	87	3.23	5.1	0.00290
3	54	81	3.45	4.9	0.00288
47	54	76	3.40	4.9	0.00279
*203	54	85	3.10	4.8	0.00274
19	54	87	3.30	4.9	0.00272
84	54	91	3.41	4.9	0.00272
86	54	85	3.35	4.9	0.00271
10	54	76	3.23	4.5	0.00258
9	54	80	3.33	4.7	0.00257
14	54	74	3.28	4.7	0.00256
8	54	69	3.37	4.6	0.00249
101	54	87	3.30	4.6	0.00234
1	54	87	2.89	4.8	0.00231
*202	54	67	3.24	4.4	0.00222
135	54	83	3.00	4.5	0.00218
4	54	56	2.87	4.6	0.00210
*200	54	76	3.05	4.1	0.00196
6	54	74	3.13	4.2	0.00196
44	54	59	3.15	4.2	0.00188
7	54	78	2.90	3.8	0.00162
*201	54	67	2.04	2.9	0.00076

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

** 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.