

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-02-16B

SPECIES: Pinus tecunumanii var ochoterenae
Guatemalan and Honduran Populations

COMPANY: Carton de Colombia

SITE NAME: Finca San Jose

ELEVATION (m): 1750

ANNUAL PRECIPITATION (mm): 1949 - 2060

<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 200	51	94	6.70	11.4	29.5
San Jeronimo	313	97	6.69	10.9	27.4
Celaque	405	95	6.27	10.2	25.6
Las Trancas	315	95	6.19	10.4	24.7
KM47	402	96	6.35	10.2	23.2
San Lorenzo	311	94	6.24	10.4	22.4
San Vicente	355	94	6.21	10.3	22.1
Control 206	45	94	5.61	9.3	17.6

CONTROL LOT: 200 = Commercial control Pinus tecunumanii
206 = Pinus oocarpa Agudos, Brasil

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 *****

THREE YEAR MEASUREMENT

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SPECIES: Pinus tecunumanii var ochoterenae

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<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>
271	53	98	6.84	12.2	0.04573
237	46	96	5.85	11.6	0.03900
32	53	98	6.99	11.3	0.02824
*200	51	94	6.70	11.4	0.02812
273	51	94	6.03	11.0	0.02689
36	51	94	6.71	11.0	0.02578
105	52	96	6.38	11.2	0.02559
30	51	94	6.80	10.7	0.02552
242	53	98	6.92	10.9	0.02511
175	53	98	6.98	10.5	0.02505
22	53	98	6.47	11.1	0.02492
26	52	96	6.71	10.9	0.02480
2	53	98	6.78	10.8	0.02417
111	48	89	6.28	10.9	0.02397
35	53	98	6.46	10.6	0.02388
173	51	94	6.49	10.5	0.02354
231	51	94	6.31	10.4	0.02266
172	54	100	6.29	10.6	0.02245
78	48	89	6.22	10.8	0.02241
180	53	98	6.35	10.6	0.02236
72	50	93	6.28	10.6	0.02234
187	48	89	6.38	10.4	0.02220
281	53	98	6.44	10.1	0.02167
277	46	98	6.52	10.3	0.02160
276	48	89	6.33	9.7	0.02098
244	49	91	6.31	10.2	0.02087
284	54	100	6.38	10.1	0.02084
186	53	98	6.22	10.3	0.02083
135	52	96	5.95	10.6	0.02080
188	48	89	6.30	10.0	0.02075

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13-02-16B 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>
239	52	96	6.12	10.3	0.02061
275	51	94	6.17	9.9	0.02004
181	51	94	6.18	9.8	0.01981
171	53	98	6.23	10.0	0.01977
7	51	94	6.18	9.9	0.01970
76	52	96	6.13	9.9	0.01967
233	51	94	6.20	9.8	0.01929
*206	51	94	5.68	9.6	0.01808
106	52	96	5.88	9.6	0.01802
82	54	100	6.04	9.5	0.01737
235	49	91	5.93	9.5	0.01729
178	50	93	5.56	8.9	0.01633
268	49	91	5.39	8.5	0.01409

**OVERALL	2101	95	6.32	10.4	0.02287

* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii
 206 = Pinus oocarpa Agudos, Brasil

**Overall mean does not include control lots.

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