

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-06-17A
 SPECIES: Pinus tecunumanii var ochoterenae
 Guatemalan and Honduran Populations
 COMPANY: EMBRAPA

SITE NAME: CPAC
 ELEVATION (m): 1190
 ANNUAL PRECIPITATION (mm): 1546

<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>
Celaque	213	99	5.33	7.4	10.4
San Jeronimo	253	94	5.29	7.6	10.4
Control 200	47	87	5.40	7.7	10.1
La Soledad	214	99	5.10	7.4	10.0
Las Trancas	313	97	5.17	7.2	9.5
Control 405	54	100	5.29	7.1	9.4
San Lorenzo	366	97	5.04	7.0	9.0
San Vicente	520	96	5.03	6.9	8.4
KM33	155	96	4.52	6.6	7.2
Control 206	52	96	4.50	6.5	6.7
KM47	155	96	4.47	6.1	6.5

CONTROL LOT: 200 = Commercial control Pinus tecunumanii
 405 = CAFMA
 206 = Pinus tecunumanii 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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<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>
272	54	100	5.59	8.4	0.01259
244	54	100	5.76	8.0	0.01186
235	50	93	5.72	7.8	0.01133
3	52	96	5.65	7.9	0.01110
154	53	98	5.34	7.8	0.01106
101	50	93	5.52	7.9	0.01095
36	49	91	5.27	7.8	0.01067
905	50	93	5.48	7.8	0.01066
*200	47	87	5.40	7.7	0.01040
47	53	98	5.39	7.4	0.00996
91	54	100	5.26	7.7	0.00973
269	52	96	5.50	7.4	0.00966
10	52	96	5.07	7.6	0.00951
115	52	96	5.25	7.5	0.00925
137	54	100	5.16	7.4	0.00906
146	54	100	5.17	7.4	0.00905
2	53	98	5.30	6.9	0.00866
222	52	96	5.12	7.2	0.00863
264	54	100	5.06	7.2	0.00861
97	53	98	5.31	7.1	0.00848
*405	54	100	5.29	7.1	0.00845
180	53	98	4.63	7.3	0.00840
83	50	93	5.06	7.2	0.00827
35	52	96	5.13	7.1	0.00822
78	51	94	4.76	7.0	0.00819
189	51	94	5.29	6.9	0.00790
89	51	94	5.08	6.7	0.00756
231	50	93	5.01	6.8	0.00745
81	51	94	4.67	6.8	0.00733
7	54	100	4.88	6.8	0.00727

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13-06-17A 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>
262	53	98	5.18	6.6	0.00711
58	53	98	4.74	6.8	0.00707
217	54	100	4.74	6.8	0.00697
82	53	98	4.84	6.6	0.00687
239	53	98	4.67	6.5	0.00680
181	53	98	4.54	6.3	0.00671
14	52	96	4.73	6.4	0.00665
172	53	98	4.72	6.5	0.00661
191	51	94	4.80	6.3	0.00659
90	54	100	4.73	6.4	0.00645
72	51	94	4.56	6.5	0.00643
*206	52	96	4.50	6.5	0.00626
165	52	96	4.46	6.3	0.00592
169	50	93	4.48	6.2	0.00590
178	49	91	4.12	5.5	0.00499

**OVERALL	2189	97	5.04	7.1	0.00841

* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii
405 = CAFMA
206 = Pinus tecunumanii 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.