

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-01-11E
 SPECIES: Pinus tecunumanii var ochoterenae
 Guatemalan and Honduran Populations
 COMPANY: Aracruz Florestal

SITE NAME: Santa Tereza
 ELEVATION (m): 650 - 900
 ANNUAL PRECIPITATION (mm): 1500 - 1700

<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 202	41	98	4.01	4.5	3.2
La Soledad	41	98	3.49	4.0	2.2
San Jeronimo	285	93	3.55	4.0	2.1
San Vicente	195	97	3.52	3.9	2.1
Celaque	268	94	3.46	4.0	2.0
San Lorenzo	249	93	3.30	3.7	1.8

CONTROL LOTS: 202 = Pinus tecunumanii Mt. Pine Ridge, Belize

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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Guatemalan and Honduran Populations

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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>
*202	41	98	4.01	4.5	0.00294
86	31	97	3.80	4.5	0.00261
84	40	95	3.78	4.3	0.00234
272	38	90	3.60	4.3	0.00229
73	33	94	3.59	4.2	0.00228
195	39	93	3.68	4.1	0.00216
31	35	83	3.47	4.0	0.00216
89	42	100	3.60	4.1	0.00214
193	34	100	3.62	4.1	0.00213
15	38	90	3.61	4.1	0.00209
144	41	98	3.49	4.0	0.00205
269	38	95	3.44	3.9	0.00204
12	33	97	3.35	3.8	0.00202
1	37	88	3.57	3.9	0.00201
10	39	93	3.52	4.0	0.00198
283	40	95	3.45	4.0	0.00195
275	40	95	3.38	4.0	0.00192
263	41	98	3.45	3.9	0.00186
37	34	97	3.68	3.7	0.00185
77	39	93	3.27	3.7	0.00179
262	40	95	3.47	3.8	0.00178
3	27	87	3.34	3.7	0.00174
267	31	91	3.44	3.7	0.00174
85	39	93	3.33	3.8	0.00165
35	29	97	3.37	3.7	0.00159
97	41	98	3.40	3.6	0.00157

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13-01-11E 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>
44	39	93	3.05	3.6	0.00155
18	39	93	3.21	3.5	0.00154
72	41	98	3.00	3.3	0.00124

**OVERALL	1038	94	3.46	3.9	0.00193

* CONTROL LOTS: 202 = Pinus tecunumanii Mt. Pine Ridge, Belize

** 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.