

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 14-01-02C
 SPECIES: Pinus tecunumanii and oocarpa CFI
 Guatemala, Honduras, Nicaragua
 South Africa 1982-83
 COMPANY: Aracruz Florestal

SITE NAME: Pontal
 ELEVATION (m): 40
 LATITUDE: 19° 48' S
 LONGITUDE: 40° 17' W
 ANNUAL PRECIPITATION (mm): 1360

<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>
Rafael	368	76	3.55	4.5	2.5
Control 999	39	72	3.04	4.4	2.0
Cusmapa	166	77	2.99	4.0	1.8
South Africa	269	71	2.96	4.1	1.6
Bucaral	329	76	2.79	3.9	1.5
San Luis Jilotepeque	233	62	2.70	3.6	1.1

CONTROL LOTS: 999 = 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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<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>
5	39	72	3.89	5.1	0.00368
9	43	80	3.63	4.7	0.00328
7	80	74	3.36	4.6	0.00322
8	84	78	3.41	4.6	0.00302
3	76	70	3.23	4.3	0.00274
2	46	85	3.58	4.4	0.00255
*999	39	72	3.04	4.4	0.00252
52	39	72	3.12	4.5	0.00237
47	40	74	3.06	4.3	0.00237
6	37	69	3.27	4.0	0.00230
49	35	65	3.07	4.4	0.00219
12	40	74	2.99	4.4	0.00217
50	35	65	3.13	4.0	0.00212
93	42	78	2.86	3.9	0.00209
1	45	83	3.20	3.9	0.00202
95	21	39	2.85	3.7	0.00201
11	42	78	2.91	3.9	0.00194
102	41	76	2.92	4.0	0.00193
56	36	67	2.75	3.8	0.00189
13	40	74	2.84	4.2	0.00188
4	83	77	3.03	3.7	0.00181
94	33	61	2.78	3.9	0.00178
20	45	83	2.80	4.0	0.00178
51	44	81	2.95	3.8	0.00177
15	42	78	2.81	3.8	0.00169
48	40	74	2.68	3.8	0.00161
16	41	76	2.62	3.9	0.00161

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14-01-02C 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>
17	39	72	2.83	3.6	0.00154
14	41	76	2.70	3.5	0.00134
115	40	74	2.58	3.4	0.00129
119	32	59	2.40	3.2	0.00104
110	24	44	2.42	2.8	0.00085

**OVERALL	1365	72	3.04	4.0	0.00216

* CONTROL LOTS: 999 = 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.