

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 02-01-01B
 SPECIES: Pinus oocarpa
 Guatemala 1981
 COMPANY: Aracruz Florestal

SITE NAME: Sao Mateus
 ELEVATION (m): 40
 LATITUDE: 19° 48' S
 LONGITUDE: 40° 17' W
 ANNUAL PRECIPITATION (mm): 1500

<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	45	100	8.76	14.0	61.8
Control 999	43	96	9.06	13.5	55.9
La Union	207	92	8.59	13.6	53.7
La Mina	121	90	8.79	13.6	52.5
La Lagunilla	77	86	8.73	13.6	49.6
Control 201	39	87	8.10	12.9	44.8
San Jose la Arada	124	92	8.31	12.7	44.6
Tapalapa	195	87	8.32	12.7	42.9
San Lorenzo	260	83	8.20	12.2	37.6
Selva Pinares	35	78	7.26	11.3	25.4

CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil
 201 = Pinus oocarpa Chiquimula, Guatemala
 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 *****

FIVE 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>
44	36	80	9.24	15.1	0.06767
26	43	96	9.13	14.3	0.05816
*202	45	100	8.76	14.0	0.05558
1	40	89	8.72	13.8	0.05446
57	38	84	9.02	13.4	0.05312
*999	43	96	9.06	13.5	0.05268
46	45	100	8.59	13.9	0.05178
23	39	87	8.55	13.6	0.05048
43	43	96	8.42	13.7	0.05019
441	43	96	8.62	13.3	0.04986
10	37	82	8.75	13.3	0.04981
66	42	93	8.54	13.5	0.04930
31	39	87	8.66	12.9	0.04894
*201	39	87	8.10	12.9	0.04651
45	40	89	8.14	12.4	0.04497
35	41	91	8.70	12.7	0.04491
42	44	98	8.10	12.9	0.04396
55	36	80	8.08	12.4	0.04372
56	36	80	8.19	12.8	0.04318
50	41	91	8.54	12.4	0.04263
34	39	87	8.14	12.6	0.04226
62	34	76	8.42	12.4	0.04171
48	36	80	8.25	12.3	0.04097
51	40	89	8.33	12.3	0.03996
49	32	71	8.03	12.1	0.03936
60	41	91	7.80	12.5	0.03934

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02-01-01B 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>
58	40	89	7.88	11.9	0.03910
53	39	87	7.95	11.4	0.03714
20	35	78	7.26	11.3	0.02940

**OVERALL	1019	87	8.39	12.9	0.04618

* CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil
 201 = Pinus oocarpa Chiquimula, Guatemala
 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.