

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 02-01-01A
 SPECIES: Pinus oocarpa
 Guatemala 1981
 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>
Control 998	50	93	7.65	15.6	60.9
Control 202	52	96	6.16	10.4	25.9
Control 999	53	98	6.04	9.8	22.5
La Union	267	97	5.72	9.3	19.7
San Lorenzo	403	93	5.65	8.8	17.1
Tapalapa	344	91	5.73	9.0	16.9
La Lagunilla	147	94	5.78	8.7	16.5
La Mina	263	95	5.12	8.5	14.8
San Jose la Arada	286	88	5.18	8.4	14.6
Selva Pinares	42	88	5.16	8.5	13.6
Control 201	50	93	4.78	8.1	12.2

CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil
 998 = Pinus caribaea var hondurensis 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>
*998	50	93	7.65	15.6	0.05925
*202	52	96	6.16	10.4	0.02424
66	51	94	6.20	10.4	0.02332
54	51	94	6.15	9.8	0.02313
44	53	98	6.08	9.9	0.02096
64	45	83	6.26	9.7	0.02084
*999	53	98	6.04	9.8	0.02065
46	53	98	5.80	9.9	0.02060
57	52	96	6.01	9.9	0.02049
43	53	98	5.68	10.1	0.02017
35	46	85	5.92	9.2	0.01988
49	50	93	6.13	9.6	0.01949
53	51	94	5.96	9.5	0.01947
48	50	93	5.71	10.0	0.01917
10	53	98	6.76	9.2	0.01893
45	50	93	5.53	8.4	0.01700
1	53	98	5.51	9.2	0.01638
62	48	89	7.10	8.8	0.01625
23	51	94	5.21	9.0	0.01571
42	49	91	5.02	8.0	0.01540
51	53	98	5.52	8.6	0.01498
26	53	98	5.37	8.7	0.01482
60	52	96	5.13	8.7	0.01475
20	48	89	5.23	8.6	0.01443
36	49	91	4.84	8.9	0.01426
39	45	83	5.27	8.6	0.01426
34	52	96	5.31	8.4	0.01405
31	51	94	4.98	8.8	0.01389

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02-01-01A 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>
56	52	96	5.22	8.2	0.01374
27	52	96	4.97	7.9	0.01345
441	52	96	5.62	8.3	0.01334
*201	50	93	4.78	8.1	0.01186
41	45	83	4.73	7.4	0.01181
55	49	91	5.32	7.3	0.01145
25	50	93	4.89	8.0	0.01124
9	47	87	4.90	7.6	0.01111
59	48	89	4.79	8.2	0.01106
50	47	87	5.18	7.3	0.01038
58	48	89	4.66	7.4	0.00989

**OVERALL	1752	93	5.52	8.8	0.01606

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**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.