

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 14-01-02B

SPECIES: Pinus tecunumanii and oocarpa CFI  
Guatemala, Honduras, Nicaragua  
South Africa 1982-83

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>
Mal Paso	390	90	5.16	8.3	12.3
Yucul	373	90	5.46	7.8	11.4
Dipilto	394	89	5.14	7.7	10.5
Control 999	49	91	4.75	7.2	8.9
Valle de Angeles	387	90	4.46	6.7	7.2
San Luis Jilotepeque	288	79	4.41	6.9	6.6
Cerro Bonete	413	92	4.28	6.4	6.5
Siguatpeque	375	87	4.35	6.2	5.8

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CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil

NOTE: Tree volume with bark was calculated using a formula for  
juvenile trees: Volume(cubic meters) = .00003 D<sup>2</sup>H, 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>
14	48	89	5.38	8.9	0.01514
6	45	83	5.74	8.9	0.01435
2	51	94	5.76	8.2	0.01274
3	50	93	5.62	8.2	0.01229
20	51	94	5.11	8.1	0.01173
15	88	81	5.08	8.0	0.01164
1	47	87	5.43	7.6	0.01111
8	50	93	5.19	7.5	0.01105
5	52	96	5.50	7.6	0.01087
7	43	80	5.33	7.3	0.01080
23	155	96	4.87	7.5	0.01002
17	99	92	4.93	7.5	0.00967
9	50	93	5.20	7.3	0.00944
22	143	88	4.80	7.4	0.00926
16	145	90	4.77	7.3	0.00921
13	99	92	4.87	7.3	0.00914
*999	49	91	4.75	7.2	0.00885
25	100	93	4.76	7.3	0.00873
115	51	94	4.59	7.4	0.00863
19	104	96	4.77	7.2	0.00847
93	42	78	4.66	7.2	0.00818
18	97	90	4.49	6.9	0.00813
95	43	80	4.33	7.0	0.00789
24	181	84	4.55	6.9	0.00787
27	51	94	4.54	6.6	0.00761
94	38	70	4.26	7.0	0.00757
33	50	93	4.50	6.7	0.00754

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14-01-02B 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>
26	52	96	4.48	6.8	0.00753
102	39	72	4.56	6.8	0.00739
41	47	87	4.31	6.7	0.00689
119	41	76	4.23	6.7	0.00683
45	47	87	4.38	6.5	0.00647
32	53	98	4.74	6.3	0.00643
29	47	87	4.39	6.4	0.00639
38	42	78	4.42	6.3	0.00619
110	43	80	4.05	6.0	0.00600
21	50	93	4.29	6.4	0.00586
39	47	87	4.29	6.2	0.00576
36	50	93	4.07	5.9	0.00529
35	44	81	4.18	5.8	0.00517
34	45	83	4.33	5.8	0.00509
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**OVERALL	2620	88	4.76	7.1	0.00881
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\* 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 D<sup>2</sup> H, where D = D.B.H. in centimeters and H = total height in meters.