

\*\*\*\*\* MEANS BY FAMILY \*\*\*\*\*

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 03-01-04A

SPECIES: Pinus tecunumanii

Mt. Pine Ridge, Belize

COMPANY: Aracruz Florestal SA

SITE NAME: Pontal, Brasil

ELEVATION (m): 40

LATITUDE: 19° 48' S

LONGITUDE: 40° 17' W

ANNUAL PRECIPITATION (mm): 1360

<u>FAMILY</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>MEAN STEM STRAIGHTNESS</u>	<u>INDIVIDUAL TREE VOLUME CUBIC METERS</u>
*205	98	8.67	15.1	4.1	0.06393
72	93	8.84	14.0	3.2	0.05809
22	98	8.94	13.5	3.3	0.05335
50	96	8.45	13.7	3.4	0.05284
44	100	8.61	13.7	3.9	0.05248
86	94	8.49	13.1	3.3	0.05171
36	96	8.32	13.6	3.0	0.05096
51	96	8.52	13.1	3.3	0.04852
87	100	8.29	13.1	3.5	0.04833
60	100	8.12	13.2	3.3	0.04792
39	100	8.25	13.2	3.3	0.04758
29	94	7.82	12.8	2.8	0.04527
21	96	8.22	12.3	3.7	0.04419
91	96	7.93	13.2	3.1	0.04381
48	94	7.82	12.7	3.5	0.04353
*202	91	7.92	12.5	3.1	0.04342
83	100	8.16	12.4	2.9	0.04239
64	100	8.00	12.5	3.7	0.04227
75	100	7.96	12.8	2.7	0.04209
59	98	7.90	12.7	3.3	0.04176
54	98	7.90	12.5	3.5	0.04096
18	96	7.86	12.4	3.2	0.04077
61	96	7.80	11.9	3.3	0.04061
77	98	7.73	12.3	2.9	0.04032
46	98	7.30	12.0	3.3	0.04023
73	98	7.68	12.3	3.3	0.03855
81	98	7.98	11.7	3.2	0.03766
49	98	7.86	11.9	3.2	0.03729
97	94	7.22	11.7	2.4	0.03722
85	96	7.71	11.6	3.9	0.03598
57	96	7.35	11.9	3.1	0.03573

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## 03-01-04A CONTINUED

<u>FAMILY</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>MEAN STEM STRAIGHTNESS</u>	<u>INDIVIDUAL TREE VOLUME CUBIC METERS</u>
45	96	7.59	11.3	3.8	0.03402
42	96	7.53	11.2	3.1	0.03395
69	96	7.22	11.1	3.0	0.03315
52	100	7.37	11.0	3.6	0.03299
117	96	7.23	11.1	3.4	0.03224
27	91	7.04	11.2	2.9	0.03218
79	91	7.43	11.1	3.3	0.03180
78	96	7.42	10.8	3.8	0.03169
66	91	6.98	10.8	3.5	0.03021
43	96	6.99	10.3	3.5	0.02884
82	96	6.94	10.8	2.9	0.02805
*206	96	7.39	10.3	3.9	0.02763
38	94	6.96	10.5	3.4	0.02733
68	94	6.65	10.3	3.6	0.02723
55	91	6.47	10.4	2.9	0.02666
26	96	6.75	10.1	2.6	0.02661
101	91	6.97	9.5	3.4	0.02543
96	98	6.77	9.6	3.7	0.02351
*201	89	6.59	9.8	3.0	0.02273
80	98	6.51	9.2	3.4	0.02162
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**OVERALL	96	7.66	11.9	3.3	0.03858
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\* CONTROL LOTS: 201 = Pinus oocarpa Chiquimula, Guatemala  
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize  
 205 = Pinus caribaea var hondurensis Agudos, Brasil  
 206 = 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.