

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-06-24A
 SPECIES: Pinus oocarpa
 Guatemala, Honduras, Belize 1982
 COMPANY: EMBRAPA/PNPF

SITE NAME: Angatuba
 ELEVATION (m): 800 - 1000
 LATITUDE: 23° 29' S
 LONGITUDE: 48° 25' W
 ANNUAL PRECIPITATION (mm): 1190

<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>
El Castano	415	96	6.30	11.3	32
Control 202	52	96	7.15	11.3	30
Control 999	52	96	6.75	11.3	28
Guaimaca	414	96	6.65	11.2	27
La Campa	411	95	6.45	10.8	27
Tablazon	355	94	6.54	11.2	26
San Marcos de Colon	418	97	6.53	10.9	26
Las Crucitas	408	94	6.73	10.8	25
San Luis Jilotepeque	417	97	6.25	10.6	24

CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil
 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 *****

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>
160	49	91	5.44	11.5	0.04942
374	50	93	6.40	13.0	0.04813
141	53	98	6.60	12.7	0.04770
339	51	94	6.92	11.9	0.03021
149	52	96	6.84	12.0	0.02983
187	53	98	6.96	11.8	0.02974
96	51	94	6.60	11.8	0.02856
*202	52	96	7.15	11.3	0.02848
330	51	94	6.68	11.7	0.02814
276	54	100	7.03	11.4	0.02778
350	53	98	6.77	11.4	0.02743
269	50	93	6.92	11.3	0.02720
389	52	96	6.67	11.4	0.02716
198	50	93	6.46	11.5	0.02707
*999	52	96	6.75	11.3	0.02701
243	50	93	6.77	11.2	0.02682
237	52	96	6.85	11.3	0.02668
399	50	93	6.42	11.4	0.02650
359	53	98	6.85	11.1	0.02625
290	54	100	7.03	11.0	0.02618
146	51	94	6.41	11.2	0.02550
263	53	98	6.61	11.0	0.02529
266	48	89	7.07	10.7	0.02482
115	53	98	6.30	11.2	0.02478
382	52	96	6.66	11.0	0.02465
190	48	89	6.52	10.9	0.02460
195	50	93	6.52	11.0	0.02445
155	52	96	6.42	11.0	0.02444

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06-06-24A 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>
158	52	96	6.42	10.8	0.02426
343	53	98	6.32	10.9	0.02420
363	52	96	6.82	10.5	0.02415
338	52	96	6.34	10.9	0.02399
252	52	96	6.32	10.8	0.02396
321	49	91	6.52	10.8	0.02389
210	52	96	6.50	11.2	0.02378
250	53	98	6.30	10.9	0.02357
260	51	94	6.80	10.6	0.02355
157	54	100	6.22	11.0	0.02348
265	51	94	6.40	10.6	0.02332
394	50	93	6.57	10.5	0.02318
293	51	94	6.33	10.6	0.02305
283	51	94	6.49	10.6	0.02296
390	53	98	6.63	10.5	0.02292
246	54	100	6.44	10.6	0.02272
119	52	96	6.20	10.7	0.02269
97	53	98	6.38	10.5	0.02263
112	50	93	6.17	10.7	0.02262
207	52	96	6.39	10.6	0.02261
296	49	91	6.51	10.4	0.02204
161	52	96	6.00	10.5	0.02202
256	53	98	6.18	10.5	0.02137
117	52	96	6.24	10.4	0.02135
107	54	100	6.07	10.3	0.02107
378	50	93	6.37	10.3	0.02103
393	52	96	6.21	9.8	0.01936
391	52	96	6.10	9.8	0.01914
110	52	96	6.01	9.4	0.01751

**OVERALL 2838 96 6.49 11.0 0.02564

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