

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-08-04A
 SPECIES: Pinus oocarpa
 Guatemala, Honduras, Belize 1982
 COMPANY: Jari Florestal

SITE NAME: Monte Dourado
 ELEVATION (m): 50 - 100
 LATITUDE: 0° 50' S
 LONGITUDE: 53° W
 ANNUAL PRECIPITATION (mm): 1981

<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 999	49	91	4.64	9.0	14.0
Guaimaca	392	91	4.88	7.3	10.6
Camotan	336	89	4.17	6.3	6.8
La Lagunilla	381	88	3.81	6.2	6.7
El Castano	375	87	4.03	6.1	6.5
Las Crucitas	366	85	4.00	5.9	5.6
La Campa	354	86	3.71	5.7	5.1
San Luis Jilotepeque	343	79	3.65	5.4	4.3

CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil

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 *****

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ANNUAL PRECIPITATION (mm): 1981

<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>
462	5	83	5.58	9.3	0.01513
446	50	93	5.13	8.1	0.01443
*999	49	91	4.64	9.0	0.01386
422	48	89	5.13	8.0	0.01280
461	47	98	5.39	8.1	0.01198
451	49	91	5.36	8.0	0.01171
202	52	96	4.85	7.5	0.01165
193	5	83	4.92	7.8	0.01137
456	47	87	4.76	7.2	0.01021
87	46	85	4.47	7.4	0.00965
143	50	93	4.20	6.9	0.00872
150	49	91	4.13	6.8	0.00857
137	52	96	4.13	6.9	0.00836
229	53	98	4.54	6.6	0.00813
79	50	93	4.17	6.7	0.00803
459	49	91	4.46	6.2	0.00803
106	51	94	4.40	6.7	0.00802
294	49	91	4.20	6.7	0.00785
439	42	88	4.44	6.5	0.00780
281	51	94	3.88	6.2	0.00692
67	47	98	4.00	6.4	0.00688
115	48	89	3.90	6.6	0.00688
155	48	89	4.04	6.3	0.00666
146	46	85	4.07	6.3	0.00666
444	49	91	4.35	6.0	0.00663
84	46	85	4.40	6.1	0.00638
75	44	81	4.12	5.9	0.00618
173	40	83	4.23	6.3	0.00613

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06-08-04A 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>
215	31	86	3.85	5.8	0.00612
89	48	89	4.14	6.1	0.00611
272	45	83	3.86	6.1	0.00601
167	6	100	3.97	6.2	0.00587
269	47	87	4.20	5.8	0.00583
156	42	78	3.22	5.7	0.00582
224	47	87	3.98	5.9	0.00579
166	44	81	3.82	5.9	0.00576
117	46	85	3.81	5.9	0.00566
113	47	87	4.06	5.7	0.00565
171	45	83	3.84	6.2	0.00562
287	42	78	4.10	5.9	0.00554
290	46	85	4.17	5.8	0.00551
110	42	78	3.47	5.3	0.00549
72	49	91	3.90	5.6	0.00532
266	47	87	3.99	5.7	0.00531
432	6	100	4.15	5.5	0.00483
242	45	83	3.32	5.7	0.00482
97	44	81	3.95	5.4	0.00480
153	46	85	3.43	5.3	0.00473
168	46	85	3.64	5.2	0.00471
157	48	89	3.15	5.3	0.00462
235	47	87	3.50	5.5	0.00457
276	39	72	3.52	4.9	0.00457
248	39	72	3.43	5.2	0.00446
233	50	93	3.85	5.3	0.00444
183	43	80	3.58	5.1	0.00435
100	45	83	3.60	5.2	0.00418
217	42	78	3.02	5.3	0.00410
180	46	85	3.18	4.8	0.00378
178	41	76	3.56	4.7	0.00372
175	33	61	3.18	4.4	0.00323

**OVERALL	2547	86	4.05	6.2	0.00683

* 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 D² H, where D = D.B.H. in centimeters and H = total height in meters.