

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-09-27A
 SPECIES: Pinus oocarpa
 Guatemala, Honduras, Belize 1982
 COMPANY: Pizano/Monterrey Florestal

SITE NAME: El Amparo
 ELEVATION (m): 100
 LATITUDE: 9° 45'N
 LONGITUDE: 74° 49'W
 ANNUAL PRECIPITATION (mm): 2300

<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>
477	31	57	7.06	12.9	0.04073
482	35	65	6.65	13.1	0.03983
452	37	69	6.59	12.6	0.03793
479	38	70	6.85	12.3	0.03433
444	37	77	6.79	12.1	0.03393
445	44	81	6.25	11.5	0.03023
212	33	92	6.67	11.4	0.02884
448	40	74	6.14	11.4	0.02835
*202	45	68	6.14	10.8	0.02785
*999	58	69	6.19	10.6	0.02482
480	38	70	6.42	10.5	0.02477
271	49	91	6.57	9.9	0.02215
268	42	78	6.07	10.0	0.02175
247	42	78	6.07	9.6	0.02132
*998	58	81	6.04	9.3	0.02070
233	41	76	6.13	9.5	0.02055
296	39	72	5.96	9.4	0.02019
363	38	70	5.97	9.6	0.02015
441	6	100	5.52	10.2	0.02010
388	36	67	6.08	9.2	0.02003
*997	63	75	5.92	9.2	0.01992
401	24	67	5.82	9.4	0.01981
241	35	65	5.98	9.6	0.01966
244	36	67	5.84	9.4	0.01942
397	30	83	6.06	9.2	0.01902
390	37	69	5.51	9.4	0.01884
261	38	70	5.59	9.1	0.01854
389	37	69	5.43	9.4	0.01818
361	35	65	5.65	8.7	0.01715
381	36	67	5.73	9.1	0.01701
318	47	87	5.61	8.7	0.01696
195	19	53	5.85	9.1	0.01692

06-09-27A 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>
329	42	78	5.88	8.5	0.01674
350	40	74	5.67	8.8	0.01665
282	33	69	6.02	8.6	0.01660
210	30	83	5.99	8.8	0.01615
275	41	68	5.58	8.6	0.01563
306	41	76	5.76	8.6	0.01556
299	40	74	5.39	8.2	0.01524
369	28	52	5.35	8.7	0.01505
192	27	75	5.86	8.5	0.01479
223	38	70	5.33	8.3	0.01476
332	36	67	5.47	8.0	0.01446
189	27	75	5.54	8.3	0.01439
303	48	89	5.72	8.3	0.01402
384	37	69	5.33	8.4	0.01390
375	43	80	5.37	8.3	0.01371
208	22	61	5.81	8.0	0.01331
263	37	69	5.48	7.9	0.01300
255	30	56	5.47	7.9	0.01221
338	40	74	5.06	7.4	0.01079
320	36	67	4.97	7.3	0.01057
377	33	61	4.96	7.6	0.01039

**OVERALL	1749	71	5.86	9.4	0.01978

* CONTROL LOT: 202 = Pinus tecunumanii Mt. Pine Ridge, Belize
 997 = Pinus oocarpa Zacapa, Guatemala
 998 = Commercial Pinus caribaea var. bahamesis
 999 = Commercial Pinus caribaea var. hondurensis

** OVERALL MEAN DOES NOT INCLUDE CONTROL LOT

NOTE: Tree volume with bark was calculated using a formula for
 juvenile trees: Volume (m³) = .00003 D² H, where D = D.B.H.
 in centimeters and H = total height in meters.

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

FIVE YEAR MEASUREMENT

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<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>
Mt. Pine Ridge, Bel.	306	71	6.55	12.0	26.1
*202	45	68	6.14	10.8	21.1
*999	58	69	6.19	10.6	19.0
*998	58	81	6.04	9.3	18.5
*997	63	75	5.92	9.2	16.6
Las Crucitas, Hon.	333	77	5.90	9.0	15.2
Tablazon, Hon.	212	74	5.98	9.2	15.0
San Marcos, Hon.	297	69	5.75	9.0	13.5
Guaimaca, Hon.	314	73	5.54	8.4	12.5
La Campa, Hon.	287	66	5.47	8.8	11.8

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