

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-01-02C

SPECIES: Pinus tecunumanii var ochoterenae
Mexican Population

COMPANY: Aracruz Florestal

SITE NAME: Santa Tereza

ELEVATION (m): 650 - 900

ANNUAL PRECIPITATION (mm): 1500 - 1700

<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 202	39	93	3.42	3.6	1.9
Montebello	281	96	3.34	3.7	1.8
Chempil	199	95	3.26	3.4	1.4
*San Vicente	37	88	3.19	3.4	1.4
*Celaque	38	90	2.98	3.2	1.1
Jitotol	267	91	2.96	3.0	1.0
Las Piedrecitas	116	92	2.87	2.8	0.9
San Jose	72	86	2.77	2.8	0.7

*CONTROL LOTS: 202 = Pinus tecunumanii Mt. Pine Ridge, Belize
Pinus tecunumanii Celaque, Honduras
Pinus tecunumanii San Vicente, Guatemala

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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SPECIES: Pinus tecunumanii var ochoterenae
Mexican Population

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ELEVATION (m): 650 - 900

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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>
374	33	100	3.52	4.2	0.00230
375	33	89	3.37	3.9	0.00194
*202	39	93	3.42	3.6	0.00186
392	40	95	3.53	3.8	0.00174
384	40	95	3.37	3.7	0.00171
382	41	98	3.25	3.6	0.00156
356	40	95	3.39	3.5	0.00154
387	33	100	3.29	3.6	0.00153
*195	37	88	3.19	3.4	0.00141
358	30	97	3.32	3.5	0.00139
355	41	98	3.23	3.3	0.00127
362	38	97	3.25	3.3	0.00126
426	40	95	3.03	3.2	0.00124
*275	38	90	2.98	3.2	0.00112
430	41	98	3.10	3.1	0.00112
389	31	94	2.94	3.1	0.00110
415	40	95	3.06	3.1	0.00109
427	26	84	2.99	3.1	0.00106
349	31	91	3.12	3.1	0.00103
329	29	81	2.92	3.0	0.00093
410	38	90	2.83	2.9	0.00093
422	36	86	2.94	2.9	0.00091
300	35	90	2.85	2.8	0.00090
308	28	93	2.80	2.8	0.00086
301	34	94	2.90	2.8	0.00082
416	34	85	2.66	2.6	0.00073
336	38	90	2.65	2.6	0.00064

**OVERALL	889	93	3.12	3.3	0.00127

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13-01-02C CONTINUED

* CONTROL LOTS: 202 = Pinus tecunumanii Mt. Pine Ridge, Belize
195 = Pinus tecunumanii San Vicente, Guatemala
275 = Pinus tecunumanii Celaque, Honduras

** Overall mean does not include control lots.

NOTE: Tree volume with bark was calculated using a formula for juvenile trees: $\text{Volume(cubic meters)} = .00003 D^2 H$, where D = D.B.H. in centimeters and H = total height in meters.