

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-06-02D
 SPECIES: Pinus tecunumanii var ochoterenae
 Mexican Population
 COMPANY: EMBRAPA

SITE NAME: CPAC
 ELEVATION (m): 1190
 ANNUAL PRECIPITATION (mm): 1546

<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>
Montebello	393	91	5.19	7.5	9.6
Control 200	47	87	4.90	7.5	8.4
Chempil	380	88	4.78	7.0	7.7
Jitotol	303	80	4.58	7.0	6.6
San Jose	395	91	4.25	6.5	6.1
Control 405	47	87	4.19	6.4	5.7
Las Piedrecitas	339	90	3.89	6.0	4.7

CONTROL LOT: 200 = Commercial control Pinus tecunumanii
 405 = CAFMA

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>
392	52	96	5.61	8.2	0.01198
375	46	85	5.42	8.4	0.01169
387	47	87	5.46	8.0	0.01099
356	50	93	5.41	7.6	0.01019
393	50	93	5.32	7.4	0.00906
369	49	91	4.98	7.5	0.00903
382	49	91	4.94	7.4	0.00879
*200	47	87	4.90	7.5	0.00871
430	39	72	4.84	7.5	0.00865
362	50	93	4.90	7.2	0.00853
412	41	76	4.88	7.0	0.00811
389	51	94	5.09	7.0	0.00806
422	46	85	4.60	7.3	0.00804
384	47	87	4.80	6.8	0.00803
355	46	85	4.72	7.0	0.00771
403	51	94	4.88	6.8	0.00768
352	47	87	4.73	6.9	0.00762
348	41	76	4.61	7.1	0.00754
427	42	78	4.58	7.0	0.00725
406	47	87	4.50	6.8	0.00701
340	50	93	4.52	6.8	0.00699
329	47	87	4.35	6.8	0.00682
331	51	94	4.42	6.7	0.00644
349	50	93	4.48	6.6	0.00642
426	42	78	4.37	6.5	0.00640
344	48	89	4.26	6.8	0.00637
416	46	85	4.33	6.7	0.00637
327	50	93	4.17	6.6	0.00630
336	50	93	4.46	6.5	0.00622
314	45	83	4.12	6.5	0.00600

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13-06-02D 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>
*405	47	87	4.19	6.4	0.00588
339	48	89	4.23	6.4	0.00588
372	47	87	4.40	6.0	0.00566
300	49	91	4.12	6.4	0.00546
310	48	89	4.07	6.0	0.00486
317	47	87	3.99	5.7	0.00447
304	50	93	3.79	5.7	0.00439
323	50	93	3.64	6.0	0.00436
308	50	93	3.56	5.4	0.00360
337	51	94	3.65	5.4	0.00350

**OVERALL	1810	88	4.56	6.8	0.00716

* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii
405 = CAFMA

**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.