

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-02B
 SPECIES: Pinus tecunumanii var ochoteranae
 Mexican Population
 COMPANY: SAFRI

SITE NAME: Tweefontein
 ELEVATION (m): 1150
 LATITUDE:: 25° 30' S
 LONGITUDE: 30° 45' E
 ANNUAL PRECIPITATION (mm): 1235.5

<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	463	86	5.07	6.8	7.8
Control 200	43	80	4.98	7.0	7.1
Chempil	362	84	4.75	6.6	6.8
Jitotol	383	89	4.50	6.0	5.8
Control 206	40	74	4.59	6.9	5.8
Las Piedrecitas	405	94	4.41	5.8	5.5
Control 999	39	72	4.53	6.1	5.3
San Jose	385	79	4.39	6.0	5.1
Control 998	42	78	4.81	6.0	5.0
Control 997	44	81	4.27	5.7	4.8

CONTROL LOTS: 200 = Commercial control Pinus tecunumanii
 206 = Pinus oocarpa Agudos, Brasil
 997 = Local Control Pinus patula
 998 = Local Control Pinus patula
 999 = Local Control Pinus patula

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

TEST IDENTIFICATION: 13-10-02B

SPECIES: Pinus tecunumanii var ochoterenae

Mexican Population

COMPANY: SAFRI

SITE NAME: Tweefontein

ELEVATION (m): 1150

LATITUDE: 25° 30' S

LONGITUDE: 30° 45' E

ANNUAL PRECIPITATION (mm): 1253.5

<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>
383	51	94	5.38	7.3	0.00982
392	46	85	5.18	7.3	0.00929
375	34	63	5.03	7.1	0.00896
362	47	87	4.92	7.1	0.00851
393	43	80	5.17	6.9	0.00849
382	53	98	5.14	6.9	0.00830
386	48	89	5.20	6.7	0.00812
355	36	67	4.69	6.9	0.00808
387	45	83	5.24	6.8	0.00807
356	52	96	4.97	7.0	0.00803
*200	43	80	4.98	7.0	0.00802
348	45	83	4.85	6.7	0.00785
369	46	85	4.91	6.6	0.00769
412	50	93	4.63	6.9	0.00752
389	47	87	4.69	6.5	0.00739
384	48	89	4.85	6.6	0.00728
*206	40	74	4.59	6.9	0.00699
329	38	70	4.70	6.4	0.00697
344	43	80	4.81	6.4	0.00688
*999	39	72	4.53	6.1	0.00661
349	46	85	4.67	6.4	0.00660
390	48	89	4.76	6.3	0.00654
413	41	76	4.53	6.3	0.00628
406	52	96	4.55	6.3	0.00623
332	34	63	4.31	6.2	0.00622
372	52	96	4.48	6.2	0.00619
304	51	94	4.65	6.2	0.00615
340	45	83	4.36	6.1	0.00610
427	51	94	4.66	6.1	0.00608
310	47	87	4.60	6.2	0.00606
*998	42	78	4.81	6.0	0.00584

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13-10-02B 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>
430	53	98	4.57	5.9	0.00573
301	53	98	4.55	5.9	0.00549
352	38	70	4.44	5.9	0.00548
317	51	94	4.51	6.0	0.00546
339	48	89	4.42	5.8	0.00541
336	37	69	4.38	5.9	0.00538
426	38	70	4.28	5.7	0.00531
*997	44	81	4.27	5.7	0.00530
327	39	72	4.29	5.9	0.00529
337	53	98	4.34	5.8	0.00523
314	49	91	4.38	5.5	0.00511
300	49	91	4.39	5.7	0.00508
416	48	89	4.51	5.5	0.00502
422	50	93	4.18	5.6	0.00499
331	48	89	3.94	5.6	0.00493
308	52	96	4.24	5.6	0.00470
323	53	98	3.99	5.4	0.00427

**OVERALL	1998	86	4.64	6.3	0.00655

* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii
206 = Pinus oocarpa Agudos, Brasil
997 = Local Control Pinus patula
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999 = Local Control Pinus patula

** Overall mean does not include control lots.

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.