

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-02A
 SPECIES: Pinus tecunumanii var ochoterenae
 Mexican Population
 COMPANY: SAFRI

SITE NAME: Wilgeboom
 ELEVATION (m): 960
 LATITUDE:: 24° 58' S
 LONGITUDE: 30° 57' 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>
Control 999	50	93	4.75	6.4	6.8
Control 998	53	98	4.45	5.8	5.7
Montebello	441	82	4.35	6.5	5.7
Control 997	47	87	4.39	6.1	5.4
San Jose	339	83	4.18	6.2	5.1
Chempil	342	76	4.38	6.3	5.1
Las Piedrecitas	415	85	3.96	6.0	4.7
Jitotol	377	78	3.87	6.2	4.5
Control 206	37	69	4.24	6.1	3.9
Control 200	34	63	3.49	5.3	2.9

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

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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>
329	50	93	4.72	6.9	0.00789
382	45	83	4.61	6.9	0.00752
387	43	80	4.96	6.8	0.00752
355	21	39	4.67	6.9	0.00733
393	47	87	4.74	6.7	0.00730
375	47	87	4.40	6.5	0.00679
362	46	85	4.62	6.5	0.00667
*999	50	93	4.75	6.4	0.00665
369	47	87	4.42	6.6	0.00659
349	46	85	4.53	6.3	0.00641
324	50	93	4.38	6.6	0.00640
352	40	74	4.39	6.5	0.00636
392	48	89	4.06	6.7	0.00619
389	26	48	4.28	6.3	0.00601
339	47	87	4.34	6.2	0.00568
348	49	91	4.24	6.2	0.00568
*997	47	87	4.39	6.1	0.00563
430	40	74	3.89	6.3	0.00563
327	50	93	4.12	6.3	0.00561
416	45	83	4.27	6.3	0.00560
426	42	78	3.78	6.6	0.00554
376	44	81	4.16	6.3	0.00553
412	45	83	3.74	6.4	0.00550
304	49	91	4.12	6.1	0.00545
331	38	70	4.11	6.1	0.00541
390	46	85	4.24	6.1	0.00541
340	48	89	4.10	6.3	0.00536
422	48	89	3.96	6.3	0.00535
384	51	94	4.07	6.1	0.00534
*998	53	98	4.45	5.8	0.00523

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13-10-02A 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>
356	40	74	4.19	5.9	0.00522
317	48	89	3.84	6.0	0.00516
377	44	81	4.00	6.0	0.00512
*206	37	69	4.24	6.1	0.00506
427	53	98	3.89	6.2	0.00498
301	44	81	4.07	6.0	0.00494
406	37	69	3.95	6.0	0.00494
310	53	98	3.94	6.0	0.00482
344	48	89	3.92	6.0	0.00481
308	30	56	3.90	5.8	0.00480
413	39	72	3.62	6.1	0.00466
372	46	85	4.14	5.6	0.00462
337	31	57	3.95	5.8	0.00440
323	47	87	3.72	5.8	0.00432
359	7	39	3.91	5.8	0.00423
300	50	93	3.98	5.6	0.00421
314	44	81	3.59	5.6	0.00420
429	28	52	3.57	5.9	0.00413
*200	34	63	3.49	5.3	0.00409
336	27	90	3.90	5.6	0.00407

**OVERALL	1914	81	4.14	6.2	0.00560

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