

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-03B

SPECIES: Pinus tecunumanii var ochoterenae
Mexican Population

COMPANY: SAFRI

SITE NAME: Tweefontein

ELEVATION (m): 1150

LATITUDE:: 25o 30' S

LONGITUDE: 30o 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>
Control 200	49	91	4.73	7.1	8.2
Jitotol	444	91	4.65	6.5	6.9
San Jose	348	85	4.55	6.6	6.5
Las Piedrecitas	440	91	4.63	6.4	6.5
Control 998	43	80	4.62	6.6	6.2
Montebello	278	74	4.66	6.7	6.1
Chempil	367	76	4.60	6.7	5.9
Control 999	41	76	4.74	6.7	5.8
Control 997	43	80	4.47	6.3	5.5
Control 206	38	70	4.63	6.0	4.7

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: 13-10-03B

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>
404	43	80	5.02	7.3	0.00941
330	37	77	4.68	7.5	0.00885
358	35	65	5.11	7.2	0.00870
398	26	48	4.73	6.9	0.00823
*200	49	91	4.73	7.1	0.00818
394	36	67	4.52	6.8	0.00815
373	34	63	4.64	6.7	0.00804
417	50	93	4.79	6.8	0.00792
313	49	91	4.83	7.0	0.00789
341	50	93	4.70	6.9	0.00776
353	41	76	4.63	7.0	0.00765
408	53	98	4.84	6.7	0.00738
428	41	76	4.54	6.6	0.00722
368	35	65	4.52	6.7	0.00713
420	49	91	4.72	6.8	0.00705
334	47	87	4.67	6.5	0.00704
351	43	80	4.66	6.8	0.00700
*998	43	80	4.62	6.6	0.00697
431	50	93	4.47	6.6	0.00697
360	48	89	4.49	6.7	0.00695
316	53	98	4.59	6.6	0.00690
*999	41	76	4.74	6.7	0.00690
354	38	70	4.38	6.7	0.00689
385	44	81	4.55	6.6	0.00683
378	36	67	4.40	6.5	0.00681
338	48	89	4.71	6.5	0.00670
315	42	78	4.65	6.6	0.00668
374	47	87	4.61	6.5	0.00667
335	47	87	4.36	6.4	0.00658
326	51	94	4.85	6.5	0.00658
379	46	85	4.76	6.3	0.00653

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13-10-03B 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>
312	43	80	4.47	6.5	0.00650
414	48	89	4.66	6.4	0.00649
306	49	91	4.58	6.4	0.00642
342	25	69	4.48	6.3	0.00626
311	50	93	4.93	6.2	0.00623
*997	43	80	4.47	6.3	0.00618
366	45	83	4.36	6.4	0.00618
419	49	91	4.66	6.1	0.00610
*206	38	70	4.63	6.0	0.00606
432	52	96	4.49	6.2	0.00604
407	52	96	4.64	6.2	0.00591
333	49	91	4.52	6.2	0.00584
371	48	89	4.68	6.0	0.00581
345	45	83	4.29	6.2	0.00581
318	53	98	4.44	6.0	0.00538
302	50	93	4.29	6.0	0.00535

**OVERALL	1877	84	4.62	6.5	0.00686

* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii
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** 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.