

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-03A  
 SPECIES: Pinus tecunumanii var ochoterenae  
 Mexican Population  
 COMPANY: SAFRI

SITE NAME: Wilgeboom  
 ELEVATION (m): 960  
 LATITUDE:: 24o 58' S  
 LONGITUDE: 30o 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 202	48	89	4.77	6.6	6.9
Montebello	335	79	4.68	7.0	6.5
Control 999	51	94	4.59	6.4	6.4
Control 997	53	98	4.42	6.1	6.2
Control 998	53	98	4.30	6.1	6.1
Jitotol	400	82	4.39	6.6	5.8
Control 200	49	91	4.40	6.1	5.4
San Jose	331	88	4.02	6.1	4.8
Chempil	352	72	4.30	6.3	4.6
Las Piedrecitas	357	78	4.10	6.2	4.5
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CONTROL LOTS: 200 = Commercial control Pinus tecunumanii  
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize  
 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 D<sup>2</sup>H, 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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ANNUAL PRECIPITATION (mm): 1235.5

<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>
385	50	93	5.06	7.4	0.00890
396	42	88	4.80	7.3	0.00832
428	49	91	4.79	7.2	0.00781
379	48	89	4.65	7.1	0.00757
394	38	70	4.66	7.2	0.00755
419	28	52	4.72	7.0	0.00731
404	44	81	4.61	6.8	0.00721
354	21	39	4.68	6.9	0.00713
358	34	63	4.51	6.7	0.00703
*202	48	89	4.77	6.6	0.00694
398	36	67	4.48	6.8	0.00683
407	50	93	4.39	6.7	0.00646
374	46	85	4.58	6.6	0.00644
415	40	74	4.53	6.6	0.00643
378	31	57	4.45	6.5	0.00637
431	47	87	4.46	6.5	0.00627
417	42	78	4.36	6.7	0.00625
*999	51	94	4.59	6.4	0.00611
313	46	85	4.30	6.6	0.00608
341	50	93	4.40	6.5	0.00607
353	33	61	4.51	6.3	0.00592
414	46	85	4.23	6.5	0.00587
432	46	85	4.23	6.4	0.00584
350	37	69	4.24	6.5	0.00581
366	47	87	4.43	6.4	0.00581
306	41	76	4.36	6.4	0.00571
*997	53	98	4.42	6.1	0.00569
*998	53	98	4.30	6.1	0.00558

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## 13-10-03A 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>
373	33	61	4.14	6.3	0.00549
311	46	85	4.31	6.2	0.00543
326	45	83	4.18	6.3	0.00538
*200	49	91	4.40	6.1	0.00535
351	46	85	4.27	5.9	0.00533
368	52	96	4.15	6.0	0.00516
338	52	96	4.03	6.3	0.00515
333	47	87	4.05	6.2	0.00513
316	51	94	4.04	6.0	0.00507
334	47	87	4.11	5.9	0.00501
360	49	91	4.07	6.0	0.00490
420	52	96	4.01	6.1	0.00488
315	34	63	4.07	6.0	0.00474
335	48	89	3.92	6.0	0.00473
302	28	52	3.85	5.9	0.00458
342	38	79	3.82	5.9	0.00452
318	52	96	3.87	5.9	0.00446
345	49	91	3.75	5.6	0.00397
303	14	58	3.34	6.0	0.00392
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**OVERALL	1775	80	4.30	6.4	0.00592
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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 D<sup>2</sup> H, where D = D.B.H. in centimeters and H = total height in meters.