

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-11A
 SPECIES: Pinus tecunumanii var ochoterenae
 Guatemalan and Honduran Populations
 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 998	50	93	3.94	5.5	4.3
Control 997	51	94	3.92	5.4	4.3
San Jeronimo	427	82	4.11	5.5	4.1
Control 999	47	87	4.14	5.4	4.0
Control 200	47	87	4.04	5.3	3.8
Celaque	398	82	4.06	5.4	3.7
La Soledad	271	78	3.98	5.5	3.5
San Lorenzo	149	86	3.72	5.1	3.3
San Vicente	333	77	3.87	5.2	3.2
Las Trancas	194	73	3.78	5.3	3.0
Control 206	42	78	3.76	5.1	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

TEST IDENTIFICATION: 13-10-11A

SPECIES: Pinus tecunumanii var ochoterenae
Guatemalan and Honduran Populations

COMPANY: SAFRI

SITE NAME: Wilgeboom

ELEVATION (m): 960

LATITUDE: 24° 58' S

LONGITUDE: 30° 57' E

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>
89	32	59	4.61	6.3	0.00598
35	30	56	4.53	6.0	0.00548
263	47	87	4.32	5.9	0.00511
37	25	69	4.22	5.6	0.00509
31	51	94	4.28	5.9	0.00509
10	46	85	4.10	5.9	0.00499
73	27	90	4.14	5.8	0.00495
70	28	93	4.21	6.0	0.00492
138	28	52	4.14	6.0	0.00485
15	46	85	4.07	5.7	0.00450
210	50	93	4.06	5.7	0.00448
83	47	87	4.14	5.6	0.00432
270	32	59	3.97	5.7	0.00423
283	43	80	4.13	5.6	0.00422
136	52	96	4.02	5.6	0.00422
906	46	85	4.16	5.2	0.00420
*999	47	87	4.14	5.4	0.00419
*998	50	93	3.94	5.5	0.00418
39	46	85	4.10	5.4	0.00417
269	48	89	4.05	5.5	0.00416
901	42	78	4.03	5.3	0.00410
*997	51	94	3.92	5.4	0.00407
137	47	87	3.92	5.5	0.00406
272	40	74	4.04	5.5	0.00399
53	30	71	3.93	5.5	0.00393
*200	47	87	4.04	5.3	0.00391
12	50	93	3.73	5.6	0.00391
18	45	83	3.70	5.2	0.00385
85	45	83	3.81	5.4	0.00383

CONTINUED NEXT PAGE....

13-10-11A 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>
267	42	78	4.10	5.3	0.00380
97	45	83	3.95	5.3	0.00380
33	50	93	4.09	5.4	0.00379
228	27	64	3.52	5.4	0.00377
264	51	94	4.00	5.3	0.00376
217	46	85	3.83	5.5	0.00372
60	42	78	3.85	5.0	0.00368
146	32	67	3.90	5.4	0.00364
275	43	80	3.92	5.2	0.00363
262	52	96	3.98	5.1	0.00350
92	30	56	4.03	5.0	0.00345
*206	42	78	3.76	5.1	0.00339
77	11	92	3.94	5.1	0.00336
214	23	77	3.84	5.0	0.00332
211	27	50	3.67	5.0	0.00330
87	39	72	3.50	5.0	0.00324
193	47	87	3.55	4.8	0.00323
220	10	56	3.39	5.2	0.00318
144	12	100	3.91	4.9	0.00313
90	48	89	3.63	4.7	0.00273
6	39	72	3.66	4.4	0.00248
225	6	100	3.27	4.5	0.00223
71	22	92	3.14	4.6	0.00216
212	5	83	3.82	4.2	0.00210

**OVERALL	1772	80	3.97	5.4	0.00401

* 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

** 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.