

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-20A

SPECIES: Pinus tecunumanii var ochoterenae  
Guatemalan and Honduran Populations

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>
Control 200	47	87	4.50	5.8	5.1
Control 999	49	91	4.44	5.7	4.8
Control 998	49	91	4.27	5.4	4.2
San Lorenzo	353	82	4.15	5.5	4.1
Control 202	37	69	4.32	5.8	3.8
San Vicente	381	78	3.97	5.4	3.7
Las Trancas	392	73	4.00	5.2	3.2
KM47	227	70	3.85	5.0	2.9
Control 206	40	74	4.00	5.0	2.9
Control 997	50	93	3.93	4.3	2.8

CONTROL LOTS: 200 = Commercial control Pinus tecunumanii  
202 = Pinus tecunumanii Mt. Pine Ridge, Belize  
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 D<sup>2</sup>H, where D = D.B.H. in centimeters and H = total height in meters.

\*\*\*\*\* MEANS BY FAMILY \*\*\*\*\*

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-20A

SPECIES: Pinus tecunumanii var ochoterenae  
Guatemalan and Honduran Populations

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>
117	5	83	4.60	6.4	0.00595
115	49	91	4.30	6.4	0.00590
2	48	89	4.47	6.0	0.00548
47	44	81	4.22	5.7	0.00537
*200	47	87	4.50	5.8	0.00532
238	10	83	4.33	5.8	0.00529
80	39	72	4.31	5.9	0.00506
241	19	79	4.42	5.8	0.00501
*202	37	69	4.32	5.8	0.00500
107	51	94	4.43	5.7	0.00496
236	39	72	4.21	5.5	0.00482
*999	49	91	4.44	5.7	0.00477
88	33	61	3.89	5.6	0.00474
7	46	85	4.22	5.6	0.00473
9	40	74	4.11	5.6	0.00461
221	29	69	4.18	5.4	0.00455
227	40	74	4.10	5.5	0.00447
226	41	76	4.20	5.4	0.00446
175	44	81	4.12	5.4	0.00442
12	48	89	4.19	5.5	0.00438
77	38	70	4.09	5.4	0.00425
*998	49	91	4.27	5.4	0.00419
118	46	85	4.03	5.2	0.00389
72	45	83	4.00	5.0	0.00385
113	42	78	3.86	5.1	0.00382
224	42	78	3.91	5.2	0.00368
178	40	74	3.68	5.0	0.00367
171	41	76	3.62	5.0	0.00366
218	33	69	4.03	5.2	0.00364
181	33	61	3.99	4.9	0.00359

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## 13-10-20A 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>
173	38	70	3.93	4.9	0.00356
*206	40	74	4.00	5.0	0.00349
172	31	57	3.76	4.7	0.00344
135	44	81	3.85	5.1	0.00342
249	37	69	3.79	4.9	0.00336
246	41	76	3.79	4.9	0.00335
123	40	74	3.70	4.9	0.00327
216	38	70	3.85	4.7	0.00319
93	37	69	3.74	4.9	0.00317
219	23	64	3.51	4.7	0.00297
*997	50	93	3.93	4.3	0.00267
94	39	81	3.17	4.1	0.00233
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**OVERALL	1353	76	4.01	5.3	0.00415
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\* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii  
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize  
 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 D<sup>2</sup> H, where D = D.B.H. in centimeters and H = total height in meters.