

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-10-11B

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>
Las Trancas	240	91	4.50	6.0	5.6
San Jeronimo	419	81	4.70	6.2	5.6
Control 200	50	93	4.61	5.9	5.5
La Soledad	235	77	4.54	6.1	4.8
Celaque	337	78	4.58	5.9	4.7
Control 206	46	85	4.17	5.6	4.2
San Vicente	355	82	4.30	5.5	4.2
Control 998	46	85	4.38	5.4	3.9
Control 997	46	85	4.26	5.3	3.8
San Lorenzo	183	76	4.20	5.5	3.7
Control 999	40	74	4.23	5.4	3.4

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 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: 13-10-11B

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>
225	6	100	5.00	7.2	0.00794
35	43	80	4.90	6.8	0.00746
37	41	76	5.02	6.5	0.00724
31	49	91	4.94	6.5	0.00701
906	45	83	4.80	6.2	0.00661
272	39	72	4.78	6.5	0.00659
33	42	78	4.55	6.3	0.00642
264	45	83	4.60	6.5	0.00642
89	42	78	4.92	6.2	0.00625
138	40	74	4.58	6.3	0.00614
70	39	81	4.71	6.3	0.00613
228	23	96	4.63	6.3	0.00609
214	47	87	4.69	6.0	0.00582
210	49	91	4.67	6.2	0.00581
212	14	78	4.79	6.1	0.00574
85	47	87	4.73	6.1	0.00572
10	47	87	4.60	6.1	0.00567
146	29	69	4.74	6.0	0.00562
60	41	76	4.39	5.9	0.00545
269	43	80	4.47	6.0	0.00541
137	45	83	4.57	5.9	0.00541
15	44	81	4.46	6.0	0.00540
*200	50	93	4.61	5.9	0.00535
217	51	94	4.20	6.1	0.00534
18	37	69	4.74	5.5	0.00531
8	10	83	4.79	6.0	0.00530
136	41	76	4.34	5.9	0.00526
263	45	83	4.54	6.0	0.00522
283	42	78	4.63	5.7	0.00520
39	42	78	4.35	5.7	0.00519

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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>
193	42	78	4.39	5.8	0.00506
222	18	100	4.19	5.9	0.00503
901	29	97	4.56	5.6	0.00500
262	42	78	4.59	5.7	0.00498
73	37	77	4.29	5.7	0.00484
275	40	74	4.35	5.6	0.00479
267	41	76	4.70	5.5	0.00478
12	40	74	4.30	5.6	0.00477
83	45	83	4.41	5.5	0.00473
6	40	74	4.44	5.6	0.00468
*206	46	85	4.17	5.6	0.00442
220	32	89	4.30	5.4	0.00440
*999	40	74	4.23	5.4	0.00412
*998	46	85	4.38	5.4	0.00409
*997	46	85	4.26	5.3	0.00399
97	47	87	4.10	5.3	0.00392
77	22	92	3.92	5.3	0.00387
92	43	80	3.97	5.2	0.00382
90	48	89	4.05	5.0	0.00352
87	41	76	3.84	5.1	0.00346
44	28	67	3.99	5.0	0.00344
71	6	100	2.43	3.8	0.00116
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**OVERALL	1769	81	4.50	5.9	0.00537
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\* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii  
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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 D<sup>2</sup> H, where D = D.B.H. in centimeters and H = total height in meters.