

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 04-11-03A

SPECIES: Pinus tecunumanii (Guatemala)

COMPANY: Weyerhaeuser

SITE NAME: Morado Nova de Minas, Brasil

ELEVATION (m): 570

LATITUDE: 18°45'S

LONGITUDE: 45°10'W

ANNUAL PRECIPITATION (mm): 1400

<u>PROVENANCE</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>MEAN STEM STRAIGHTNESS</u>	<u>**VOLUME CUBIC METERS/ha</u>
*Mt. Pine Ridge, Bel.	98	5.05	6.9	2.4	8.5
*Chiquimula Gua.	98	3.65	5.4	2.0	4.1
*San Jeronimo, Gua.	98	3.70	4.5	3.4	3.2
San Jeronimo, Gua.	94	3.68	4.4	3.3	2.8
Sierra de las Minas, Gua.	94	3.54	4.1	3.6	2.3

* CONTROL LOTS: Pinus oocarpa Chiquimula, Guatemala
Pinus tecunumanii Mt. Pine Ridge, Belize
Pinus tecunumanii San Jeronimo, Guatemala

** Tree volume with bark was calculated using a formula for juvenile trees: $\text{Volume(cubic meters)} = .00003 D^2 H$, where D = D.B.H. in centimeters and H = total height in meters.

PROVENANCE/FAMILIES

<u>PROVENANCE</u>	<u>FAMILIES</u>
San Jeronimo, Gua	19 84 95 98 99 100 101
Sierra de las Minas, Gua.	3 4 9 11 14 44 47 135

NOTE: Stem straightness ranked from 1 to 6. 1=poorest to 6=best

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 04-11-03A

SPECIES: Pinus tecunumanii (Guatemala)

COMPANY: Weyerhaeuser

<u>FAMILY</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>MEAN STEM STRAIGHTNESS</u>	<u>**INDIVIDUAL TREE VOLUME CUBIC METERS</u>
*202	98	5.05	6.9	2.4	0.00779
*201	98	3.65	5.4	2.0	0.00377
99	96	3.92	4.8	3.0	0.00339
100	91	3.95	4.8	3.5	0.00311
*200	98	3.70	4.5	3.4	0.00292
3	98	3.87	4.6	3.6	0.00289
11	87	3.72	4.7	3.2	0.00288
95	94	3.71	4.6	3.6	0.00284
84	94	3.83	4.4	3.5	0.00268
98	93	3.66	4.3	3.0	0.00267
47	98	3.69	4.3	4.1	0.00242
19	98	3.40	4.2	3.5	0.00230
4	98	3.64	4.2	3.6	0.00223
9	98	3.69	4.1	3.8	0.00217
44	80	3.22	3.8	3.2	0.00185
101	93	3.29	3.8	3.1	0.00184
14	93	3.41	3.8	3.8	0.00183
135	98	2.99	3.4	3.3	0.00149

* CONTROL LOTS: 201=Pinus oocarpa Chiquimula, Guatemala
 202=Pinus tecunumanii Mt. Pine Ridge, Belize
 200=Pinus tecunumanii San Jeronimo, Guatemala

** 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.

NOTE: Stem straightness ranked from 1 to 6. 1=poorest to 6=best