

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-08-05A
 SPECIES: Pinus oocarpa
 Guatemala, Honduras, Belize 1982
 COMPANY: Jari Florestal

SITE NAME: Monte Dourado
 ELEVATION (m): 50 - 100
 LATITUDE: 0° 50' S
 LONGITUDE: 53° W
 ANNUAL PRECIPITATION (mm): 1981

| <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 999 | 47 | 87 | 5.21 | 10.4 | 18.4 |
| Las Crucitas | 345 | 80 | 4.70 | 6.6 | 7.5 |
| La Campa | 349 | 81 | 4.59 | 6.7 | 6.9 |
| Camotan | 260 | 72 | 4.67 | 6.7 | 6.7 |
| Guaimaca | 348 | 81 | 4.37 | 6.4 | 6.1 |
| San Luis Jilotepeque | 321 | 74 | 4.33 | 6.4 | 5.9 |
| El Castano | 341 | 82 | 4.23 | 6.1 | 5.6 |
| La Lagunilla | 328 | 79 | 4.17 | 6.0 | 5.5 |

CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil

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

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LATITUDE: 0° 50' S

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ANNUAL PRECIPITATION (mm): 1981

| <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> |
|---------------|----------------------------|-----------------------------|-----------------------------------|------------------------------------------|----------------------------------------------------|
| *999 | 47 | 87 | 5.21 | 10.4 | 0.01902 |
| 202 | 49 | 91 | 5.77 | 9.1 | 0.01653 |
| 317 | 52 | 96 | 5.12 | 7.7 | 0.01180 |
| 137 | 50 | 93 | 4.62 | 7.4 | 0.01047 |
| 331 | 36 | 67 | 4.71 | 7.1 | 0.01046 |
| 3 | 29 | 81 | 5.12 | 7.5 | 0.01026 |
| 350 | 44 | 81 | 4.84 | 7.0 | 0.00987 |
| 188 | 42 | 78 | 4.84 | 7.2 | 0.00904 |
| 389 | 43 | 80 | 4.68 | 7.2 | 0.00886 |
| 376 | 45 | 83 | 4.85 | 7.1 | 0.00866 |
| 104 | 46 | 85 | 4.52 | 7.1 | 0.00862 |
| 193 | 41 | 76 | 4.69 | 7.0 | 0.00858 |
| 190 | 47 | 87 | 4.73 | 7.0 | 0.00825 |
| 75 | 46 | 85 | 4.77 | 7.0 | 0.00808 |
| 340 | 41 | 76 | 4.74 | 6.6 | 0.00805 |
| 167 | 45 | 83 | 4.63 | 6.9 | 0.00776 |
| 8 | 47 | 87 | 4.65 | 6.8 | 0.00768 |
| 120 | 34 | 63 | 4.67 | 6.8 | 0.00768 |
| 146 | 44 | 81 | 4.42 | 6.8 | 0.00754 |
| 165 | 45 | 83 | 4.44 | 6.5 | 0.00747 |
| 184 | 45 | 83 | 4.48 | 6.5 | 0.00742 |
| 335 | 42 | 78 | 4.60 | 6.3 | 0.00735 |
| 387 | 44 | 81 | 4.40 | 6.4 | 0.00731 |
| 155 | 42 | 78 | 4.41 | 6.4 | 0.00719 |
| 145 | 38 | 70 | 4.20 | 6.3 | 0.00711 |
| 139 | 41 | 76 | 4.32 | 6.7 | 0.00711 |
| 78 | 50 | 93 | 4.33 | 6.7 | 0.00705 |
| 93 | 50 | 93 | 4.59 | 6.3 | 0.00704 |

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06-08-05A 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> |
|---------------|----------------------------|-----------------------------|-----------------------------------|------------------------------------------|----------------------------------------------------|
| 328 | 48 | 89 | 4.42 | 6.5 | 0.00675 |
| 346 | 40 | 74 | 4.44 | 5.9 | 0.00672 |
| 102 | 43 | 80 | 4.42 | 6.2 | 0.00661 |
| 169 | 44 | 81 | 4.50 | 6.2 | 0.00660 |
| 90 | 48 | 89 | 4.43 | 6.4 | 0.00649 |
| 325 | 42 | 78 | 4.65 | 5.8 | 0.00648 |
| 111 | 26 | 72 | 4.23 | 6.4 | 0.00648 |
| 370 | 46 | 85 | 4.25 | 6.3 | 0.00630 |
| 367 | 46 | 85 | 4.61 | 6.0 | 0.00630 |
| 130 | 33 | 61 | 4.43 | 5.8 | 0.00624 |
| 82 | 41 | 76 | 4.41 | 6.1 | 0.00622 |
| 198 | 40 | 74 | 4.39 | 6.2 | 0.00617 |
| 379 | 38 | 70 | 4.23 | 6.2 | 0.00612 |
| 71 | 45 | 83 | 3.93 | 6.0 | 0.00601 |
| 391 | 43 | 80 | 4.01 | 6.4 | 0.00594 |
| 99 | 35 | 65 | 4.11 | 6.0 | 0.00590 |
| 97 | 43 | 80 | 4.06 | 5.7 | 0.00580 |
| 141 | 36 | 67 | 4.25 | 5.9 | 0.00548 |
| 153 | 37 | 69 | 4.25 | 5.9 | 0.00537 |
| 92 | 52 | 96 | 4.05 | 5.8 | 0.00534 |
| 95 | 41 | 76 | 3.90 | 5.5 | 0.00531 |
| 85 | 25 | 69 | 4.20 | 5.8 | 0.00517 |
| 148 | 34 | 63 | 3.96 | 5.2 | 0.00504 |
| 383 | 43 | 80 | 3.91 | 5.4 | 0.00500 |
| 119 | 44 | 81 | 3.48 | 4.8 | 0.00383 |
| 122 | 38 | 70 | 3.73 | 4.9 | 0.00352 |
| 69 | 34 | 63 | 3.56 | 4.5 | 0.00350 |
| 162 | 30 | 56 | 3.96 | 4.8 | 0.00331 |
| ----- | | | | | |
| **OVERALL | 2293 | 79 | 4.43 | 6.4 | 0.00723 |
| ----- | | | | | |

* CONTROL LOTS: 999 = Pinus oocarpa Agudos, Brasil

**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.