

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 07-02-01A
 SPECIES: Pinus patula
 SAFRI 1982
 COMPANY: Carton de Colombia

SITE NAME: Finca Salinas, Cauca
 ELEVATION (m): 2500
 LATITUDE: 2°20'N
 LONGITUDE: 76° 32'W
 ANNUAL PRECIPITATION (mm): 2300

| <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> |
|---------------|----------------------------|-----------------------------|-----------------------------------|--|--|
| 84 | 53 | 98 | 4.74 | 9.0 | 0.01715 |
| 80 | 54 | 100 | 5.42 | 8.7 | 0.01308 |
| 59 | 54 | 100 | 5.39 | 8.8 | 0.01293 |
| 70 | 53 | 98 | 5.13 | 8.9 | 0.01272 |
| 10 | 54 | 100 | 4.93 | 8.8 | 0.01249 |
| 83 | 53 | 98 | 5.19 | 8.6 | 0.01222 |
| 3 | 53 | 98 | 5.17 | 8.7 | 0.01214 |
| 42 | 53 | 98 | 5.24 | 8.6 | 0.01213 |
| 146 | 53 | 98 | 5.03 | 8.6 | 0.01180 |
| 77 | 50 | 93 | 5.33 | 8.3 | 0.01174 |
| 71 | 52 | 96 | 5.07 | 8.5 | 0.01149 |
| 67 | 54 | 100 | 5.20 | 8.2 | 0.01129 |
| 81 | 53 | 98 | 5.23 | 8.3 | 0.01128 |
| 60 | 53 | 98 | 4.97 | 8.5 | 0.01121 |
| 50 | 53 | 98 | 5.23 | 8.1 | 0.01107 |
| 62 | 52 | 96 | 5.04 | 8.1 | 0.01097 |
| 46 | 53 | 98 | 5.16 | 8.2 | 0.01094 |
| 86 | 54 | 100 | 4.99 | 8.3 | 0.01094 |
| 75 | 51 | 94 | 5.21 | 8.2 | 0.01086 |
| 85 | 54 | 100 | 4.94 | 8.4 | 0.01078 |
| 82 | 53 | 98 | 4.84 | 8.4 | 0.01077 |
| 79 | 50 | 93 | 4.95 | 8.2 | 0.01068 |
| 44 | 52 | 96 | 5.11 | 8.1 | 0.01044 |
| 65 | 53 | 98 | 4.97 | 8.1 | 0.01038 |
| 13 | 52 | 96 | 5.11 | 8.0 | 0.01035 |
| 51 | 47 | 98 | 4.74 | 8.2 | 0.01028 |
| 4 | 53 | 98 | 4.87 | 8.0 | 0.01007 |
| 1 | 53 | 98 | 4.80 | 8.1 | 0.01006 |
| 57 | 60 | 100 | 4.81 | 8.1 | 0.01002 |
| 2 | 53 | 98 | 4.76 | 8.1 | 0.00984 |

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07-02-01A 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> |
|---------------|----------------------------|-----------------------------|-----------------------------------|--|--|
| 76 | 48 | 89 | 4.83 | 7.8 | 0.00964 |
| 69 | 53 | 98 | 4.76 | 8.0 | 0.00959 |
| 47 | 52 | 96 | 4.92 | 7.8 | 0.00952 |
| 144 | 51 | 94 | 4.88 | 7.8 | 0.00943 |
| 74 | 53 | 98 | 4.64 | 8.0 | 0.00935 |
| 45 | 54 | 100 | 4.80 | 7.4 | 0.00934 |
| 58 | 52 | 96 | 4.66 | 7.9 | 0.00933 |
| 20 | 52 | 96 | 4.92 | 7.6 | 0.00925 |
| 73 | 52 | 96 | 4.72 | 7.7 | 0.00922 |
| 105 | 54 | 100 | 5.04 | 7.6 | 0.00921 |
| 66 | 54 | 100 | 4.63 | 7.9 | 0.00919 |
| 88 | 52 | 96 | 4.59 | 7.9 | 0.00915 |
| 61 | 49 | 91 | 4.69 | 7.8 | 0.00913 |
| 63 | 49 | 91 | 4.83 | 7.7 | 0.00910 |
| 87 | 54 | 100 | 4.88 | 7.7 | 0.00910 |
| 48 | 54 | 100 | 4.59 | 7.8 | 0.00892 |
| 72 | 53 | 98 | 4.65 | 7.6 | 0.00888 |
| 999 | 54 | 100 | 4.74 | 7.5 | 0.00870 |
| 78 | 54 | 100 | 4.73 | 7.6 | 0.00863 |
| 68 | 51 | 94 | 4.73 | 7.6 | 0.00859 |
| 16 | 51 | 94 | 4.37 | 7.7 | 0.00843 |
| 49 | 53 | 98 | 4.46 | 7.7 | 0.00839 |
| 56 | 53 | 98 | 4.64 | 7.5 | 0.00829 |
| 43 | 54 | 100 | 4.44 | 7.5 | 0.00808 |
| 52 | 53 | 98 | 4.81 | 7.3 | 0.00806 |
| 53 | 52 | 96 | 4.68 | 7.0 | 0.00797 |
| 64 | 52 | 96 | 4.55 | 7.3 | 0.00779 |
| 55 | 52 | 96 | 4.51 | 7.2 | 0.00760 |
| 54 | 52 | 96 | 4.38 | 7.0 | 0.00688 |

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|-----------|------|----|------|-----|---------|
| **OVERALL | 3048 | 97 | 4.88 | 8.0 | 0.01015 |
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* CONTROL LOT: 999 = COMMERCIAL CONTROL

** OVERALL MEAN DOES NOT INCLUDE CONTROL LOT

NOTE: Tree volume with bark was calculated using a formula for juvenile trees: $\text{Volume (m}^3\text{)} = .00003 D^2 H$, where D = D.B.H. in centimeters and H = total height in meters.