

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 03-02-02A

SPECIES: Pinus tecunumanii

Mt. Pine Ridge, Belize

COMPANY: Carton de Colombia

SITE NAME: Finca La Arcadia, Cauca

ELEVATION (m): 1750

LATITUDE: 2° 30' N

LONGITUDE: 76° 35' W

ANNUAL PRECIPITATION (mm): 1930

<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>
85	47	87	11.01	16.3	0.08993
*203	40	74	10.38	16.6	0.08871
60	44	81	10.27	16.7	0.08861
51	45	83	9.99	16.6	0.08760
44	49	91	10.26	16.3	0.08589
81	48	89	10.51	16.1	0.08538
46	43	80	10.22	16.2	0.08507
55	45	83	9.83	16.6	0.08489
52	48	89	10.21	16.2	0.08391
45	50	93	10.62	16.0	0.08373
101	49	91	10.70	15.9	0.08311
82	45	83	10.06	16.1	0.08237
76	44	81	9.98	16.2	0.08234
50	47	87	9.93	16.3	0.08154
91	50	93	9.98	16.0	0.08113
83	43	80	9.95	16.0	0.07958
68	42	78	10.14	15.9	0.07838
69	40	74	9.73	15.8	0.07817
78	49	91	10.23	15.5	0.07732
72	44	81	9.76	15.8	0.07606
79	48	89	9.63	15.8	0.07575
*202	43	80	10.15	15.4	0.07498
42	46	85	9.10	15.9	0.07460
57	31	74	9.53	15.3	0.07437
64	41	76	10.32	15.3	0.07416
61	48	89	9.23	16.1	0.07378
29	41	85	9.45	16.0	0.07373
73	46	85	9.76	15.5	0.07331
117	47	87	9.68	15.5	0.07316

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## 03-02-02A 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>
21	35	83	9.27	15.4	0.07274
47	50	93	9.75	15.2	0.07082
18	42	78	9.57	15.2	0.07019
84	46	85	9.54	15.1	0.06978
48	47	87	9.62	15.1	0.06911
66	47	87	9.46	15.3	0.06904
37	45	83	9.56	14.8	0.06712
38	47	87	9.13	14.3	0.06310
77	46	85	8.86	14.3	0.05902
75	30	71	8.83	14.5	0.05796
86	40	74	8.75	13.9	0.05601
96	25	52	8.72	13.3	0.05235
*201	39	72	8.01	12.1	0.03943
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**OVERALL	1720	84	9.81	15.6	0.07607
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\* CONTROL LOTS: 201 = Pinus oocarpa Chiquimula, Guatemala  
202 = Pinus tecunumanii Mt. Pine Ridge, Belize  
203 = Pinus oocarpa Mal Paso, Guatemala

\*\* 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.