

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 02-02-01A

SPECIES: Pinus oocarpa (Guatemala-1981)

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>PROVENANCE</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>**VOLUME CUBIC METERS/ha</u>
San Lorenzo, Gua.	94	9.18	15.7	82.9
La Lagunilla, Gua.	89	8.10	16.3	72.9
*Mt. Pine Ridge, Bel.	87	9.14	15.8	70.4
*Mal Paso, Gua.	91	8.71	14.8	63.3
Tapalapa, Gua.	89	8.45	14.1	55.9
Selva Pinares, Gua.	85	7.81	14.3	49.1
La Union, Gua.	92	8.07	12.9	47.1
San Jose, Gua.	92	7.47	12.8	43.0
La Mina, Gua.	83	7.56	13.1	40.2
*Chiquimula, Gua.	87	7.37	12.0	35.7

* CONTROL LOTS: Pinus oocarpa Chiquimula, Guatemala
Pinus tecunumanii Mt. Pine Ridge, Belize
Pinus oocarpa Mal Paso, 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.

PROVENANCES/FAMILIES

<u>PROVENANCE</u>	<u>FAMILIES</u>
San Lorenzo, Gua.	48 49 50 51 53 54 56
La Lagunilla, Gua.	9 10
Tapalapa, Gua.	57 58 59 62 63 64
La Union, Gua.	44 441 45 46
Selva Pinares, Gua.	20
San Jose, Gua.	36 37 40 41 42
La Mina, Gua.	23 25 27 29 31

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

FIVE YEAR MEASUREMENT

TEST IDENTIFICATION: 02-02-01A

SPECIES: Pinus oocarpa (Guatemala-1981)

COMPANY: Carton de Colombia

<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>
53	52	94	9.42	16.6	0.109
50	54	96	9.33	15.1	0.092
56	53	98	9.28	16.3	0.079
62	51	94	10.19	14.6	0.077
48	54	93	9.17	16.4	0.076
10	53	92	7.87	16.6	0.076
*202	52	87	9.14	15.8	0.073
9	53	85	8.35	15.9	0.072
54	54	89	9.28	15.0	0.069
49	52	94	9.07	15.4	0.069
51	54	91	8.73	15.1	0.063
*203	54	91	8.71	14.8	0.063
63	52	92	8.04	14.6	0.057
57	45	91	8.48	14.2	0.055
31	53	83	7.56	14.3	0.053
59	39	85	7.87	14.5	0.052
20	54	85	7.81	14.3	0.052
44	51	88	8.49	13.4	0.052
64	45	71	8.04	13.2	0.051
42	53	96	7.62	14.1	0.050
41	52	96	8.31	13.5	0.048
58	52	94	7.95	13.6	0.048
441	53	92	8.36	13.1	0.047
46	54	96	7.89	13.5	0.046
37	54	94	7.58	13.1	0.044
29	53	91	7.99	12.7	0.043
23	50	84	7.28	13.6	0.043
36	38	79	7.24	13.0	0.042
27	51	78	7.65	12.2	0.039
45	54	91	7.47	11.8	0.039
*201	54	87	7.37	12.0	0.037
25	29	79	6.93	12.1	0.035
40	52	88	6.41	10.1	0.025

* CONTROL LOTS: 201=Pinus oocarpa Chiquimula, Guatemala
 202=Pinus tecunumanii Mt. Pine Ridge, Belize
 203=Commercial Control Pinus oocarpa Mal Paso, 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.