

C A M C O R E

EIGHT YEAR MEASUREMENTS

TEST IDENTIFICATION: 03-02-03A
 SPECIES: Pinus tecunumanii - Low elevation
 COMPANY: Carton de Colombia
 SITE NAME: Finca La Arcadia, Cauca
 LATITUDE: 2° 30' N
 LONGITUDE: 76° 35' W
 ELEVATION: 1750 m
 ANNUAL PRECIPITATION: 2112 mm

DATE PLANTED: October 1982
 DATE MEASURED: February 1990

***** MEANS BY REPLICATION *****

<u>Rep</u>	<u># Trees</u>	<u>% Surv</u>	<u>Mean Height (m)</u>	<u>C.V. (%)</u>	<u>Mean D.B.H. (cm)</u>	<u>Tree Volume (cubic m)</u>
1	42	63.64	14.2	16.02	21.9	0.21555
2	45	68.18	13.9	23.77	20.7	0.20286
3	51	77.27	14.4	23.11	20.1	0.19437
4	46	69.70	13.7	22.64	20.9	0.20780
5	38	57.58	13.7	18.58	21.6	0.21067
6	49	74.24	14.1	22.61	20.1	0.19358
7	41	62.12	14.5	18.42	20.9	0.20054
8	39	59.09	14.1	17.89	21.6	0.22323
9	49	74.24	14.1	15.85	22.0	0.21852

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

<u>Fam</u>	<u># Trees</u>	<u>% Surv</u>	<u>Mean Height (m)</u>	<u>C.V. (%)</u>	<u>Mean D.B.H. (cm)</u>	<u>Tree Volume (cubic m)</u>
12	43	79.63	15.4	15.95	22.5	0.25167
13	46	85.19	14.3	21.74	22.3	0.24314
10	25	46.30	15.5	11.82	22.5	0.24289
4	10	55.56	14.5	27.05	21.8	0.24117
5	34	62.96	14.1	17.00	22.7	0.23484
9	38	70.37	14.7	16.49	22.4	0.23219
7	37	68.52	14.8	11.02	20.7	0.19919
6	41	75.93	13.0	20.43	21.3	0.19567
11	33	61.11	14.0	22.21	20.6	0.19282
15	4	66.67	12.4	40.05	21.0	0.18971
8	16	66.67	14.2	15.30	20.8	0.18560
1	39	72.22	13.6	20.65	20.2	0.17260
3	1	16.67	11.0	.	22.8	0.17155
* 203	33	61.11	11.6	26.86	14.6	0.09377

OVERALL	400	67.34	14.1	20.12	21.1	0.20695

Note: Tree volume with bark was calculated using a formula for juvenile trees: Volume (cubic meters) = $0.0003 \cdot D^2 \cdot H$, where D=DBH in centimeters and H = total height in meters.

The overall values do not include control lots.

All families are from the provenance of Mt. Pine Ridge, Belize

* Control lot: 203 = Pinus oocarpa, Comm. control, Mal Paso, Guatemala