

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-02-08A

SPECIES: Pinus oocarpa (Honduras, 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>
*Mt. Pine Ridge, Bel.	85	4.94	8.1	11.6
Guaimaca, Hon.	95	4.29	6.9	7.6
San Marcos, Hon.	97	4.15	6.6	6.8
Las Crucitas, Hon.	95	4.17	6.6	6.8
Tablazon, Hon.	96	4.10	6.5	6.5
El Castano, Gua.	92	4.02	6.7	6.5
La Campa, Hon.	95	3.98	6.4	6.1
San Luis, Gua.	92	3.57	5.6	4.2

* CONTROL LOT: Pinus tecunumanii Mt. Pine Ridge, Belize

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

PROVENANCE/FAMILIES

<u>PROVENANCE</u>	<u>FAMILIES</u>							
Guaimaca, Hon.	318	356	327					
San Marcos, Hon.	242	235	231	239	246	233	223	
Las Crucitas, Hon.	275	267	278					
Tablazon, Hon.	167	177	179					
El Castano, Gua.	160	159	137	152	148	155	142	
La Campa, Hon.	394	391	367	382	374	365	379	377 372 381
San Luis, Gua.	100	105	97					

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-02-08A

SPECIES: Pinus oocarpa (Honduras, Guatemala 1982)

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>
*202	54	85	4.94	8.1	0.01226
356	45	93	4.42	7.1	0.00796
148	48	98	4.52	7.3	0.00786
242	54	98	4.27	7.4	0.00779
318	42	95	4.53	7.2	0.00764
142	54	87	4.23	7.4	0.00761
159	54	96	4.37	7.3	0.00746
267	54	94	4.38	7.1	0.00715
374	54	93	4.11	7.0	0.00708
239	54	94	4.12	6.9	0.00706
167	52	100	4.20	6.8	0.00701
275	54	100	4.29	6.8	0.00684
152	38	95	4.00	6.8	0.00672
372	36	97	4.22	6.5	0.00650
177	54	96	4.33	6.7	0.00645
155	54	85	3.98	6.7	0.00636
327	54	96	4.01	6.5	0.00634
246	52	98	4.22	6.7	0.00633
382	54	96	4.13	6.5	0.00619
233	54	100	4.08	6.5	0.00616
231	48	94	4.02	6.5	0.00603
367	39	100	4.09	6.3	0.00589
223	44	98	4.38	6.2	0.00576
377	54	94	4.07	6.4	0.00564
391	54	98	3.85	6.4	0.00559
394	54	98	4.07	6.2	0.00536
365	54	87	3.74	6.3	0.00527
381	48	96	3.84	6.0	0.00515
137	54	94	3.64	6.0	0.00515
379	54	96	3.88	6.4	0.00509

CONTINUED NEXT PAGE...

(PAGE 2)

06-02-08A THREE YEAR MEASUREMENTS 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>
179	54	91	3.76	5.8	0.00492
235	54	98	3.89	5.9	0.00472
105	40	88	3.57	5.7	0.00453
278	36	89	3.64	5.7	0.00442
100	43	93	3.56	5.5	0.00399
97	54	94	3.57	5.5	0.00382
160	54	89	3.42	5.3	0.00358

* CONTROL LOT: 202=Pinus tecunumanii Mt. Pine Ridge, Belize

** 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.

NOTE: The number of trees was included to indicate the family representation throughout the entire test.