

***** QUARTILE MEANS *****

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 03-02-03A

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

DESCRIPTION: There are a total of 13 families represented in this test plus one control lot. The four quartiles, FIRST, SECOND, THIRD and FOURTH, represent the 13 families divided into four groups according to their ordered rank by individual tree volume. Each quartile contains 25% of the families. Values for control lots have also been calculated.

QUARTILE	PERCENT SURVIVAL	MEAN HEIGHT METERS	MEAN DIAMETER CENTIMETERS	**INDIVIDUAL TREE VOLUME CUBIC METERS
FIRST QUARTILE	76	3.66	4.4	0.00286
SECOND QUARTILE	73	3.65	4.2	0.00246
THIRD QUARTILE	80	3.82	4.0	0.00213
FOURTH QUARTILE	73	3.42	3.3	0.00142
CONTROL LOT 203	59	1.89	2.6	0.00084

TREATMENT MEANS	75	3.67	4.1	0.00240
CONTROL LOT MEAN	59	1.89	2.6	0.00084

CONTROL LOT: Commercial Control Pinus oocarpa Mal Paso, Guatemala

** 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.

FAMILIES IN QUARTILES: FIRST: 9 6 13 4
 SECOND: 7 11 5
 THIRD: 12 1 3
 FOURTH: 8 10 15

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

THREE YEAR MEASUREMENT

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SPECIES: Pinus tecunumanii Mt. Pine Ridge, Belize

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>
9	54	70	3.76	4.5	0.00303
6	54	78	3.56	4.3	0.00289
13	54	85	3.64	4.4	0.00272
4	18	56	3.77	4.4	0.00266
7	51	71	3.93	4.1	0.00249
11	49	69	3.47	4.2	0.00249
5	43	79	3.54	4.2	0.00241
12	54	81	3.97	3.9	0.00218
1	54	81	3.75	4.0	0.00210
3	5	40	2.00	5.0	0.00186
8	24	71	3.38	3.3	0.00151
10	33	76	3.47	3.2	0.00140
15	6	67	3.25	3.2	0.00116
*203	54	59	1.89	2.6	0.00084

* CONTROL LOT: 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.

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