

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-02-06A

SPECIES: Pinus tecunumanii var ochoterenae
Mexican Population

COMPANY: Carton de Colombia

SITE NAME: Finca San Jose

ELEVATION (m): 1750

ANNUAL PRECIPITATION (mm): 1949 - 2060

<u>PROVENANCE</u>	<u>NUMBER OF TREES</u>	<u>PERCENT SURVIVAL</u>	<u>MEAN HEIGHT METERS</u>	<u>MEAN DIAMETER CENTIMETERS</u>	<u>VOLUME CUBIC METERS/ha</u>
Montebello	363	97	6.76	11.4	29.7
Chempil	369	98	6.75	11.3	29.6
Jitotol	367	97	6.68	11.3	29.2
Control 200	50	93	6.34	10.7	23.9
Las Piedrecitas	357	94	6.10	9.9	20.7

CONTROL LOT: 200 = Commercial control Pinus tecunumanii

NOTE: 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.

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

THREE YEAR MEASUREMENT

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<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>
370	53	98	6.97	11.8	0.03022
430	51	94	7.01	11.8	0.03010
375	51	94	6.77	12.0	0.03009
369	51	94	7.10	11.6	0.02966
373	52	96	6.93	11.7	0.02963
356	54	100	7.15	11.4	0.02948
393	51	98	6.89	11.6	0.02913
412	52	96	6.73	11.4	0.02882
397	53	98	6.91	11.5	0.02868
392	53	98	6.56	11.7	0.02844
389	52	96	6.83	11.0	0.02792
415	54	100	6.95	11.3	0.02773
371	54	100	6.56	11.5	0.02745
424	51	94	6.81	11.4	0.02722
427	53	98	6.52	11.2	0.02626
382	50	93	6.60	11.3	0.02619
426	52	96	6.55	11.1	0.02584
422	54	100	6.21	10.9	0.02346
403	53	98	6.75	10.4	0.02332
*200	50	93	6.34	10.7	0.02325
314	50	93	6.34	10.7	0.02319
372	53	98	6.32	10.4	0.02317
322	52	96	6.38	10.3	0.02230
323	50	93	6.09	10.3	0.02122
348	52	96	6.20	10.3	0.02116
321	52	96	6.24	9.9	0.01991
317	53	98	6.04	9.7	0.01810
308	51	94	5.89	9.7	0.01767
309	49	91	5.70	9.1	0.01568

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**OVERALL	1456	96	6.57	11.0	0.02546
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* CONTROL LOTS: 200 = Commercial Control Pinus tecunumanii

**Overall mean does not include control lots.

NOTE: 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.