

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 13-02-02E

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>
Chempil	402	93	6.84	11.0	27.4
Montebello	421	88	6.98	11.0	26.3
Control 200	45	94	6.77	10.5	25.5
Jitotol	371	87	6.42	10.7	22.7
San Jose	360	94	6.10	9.7	21.0
Las Piedrecitas	325	86	6.28	9.8	19.0

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>
327	50	93	6.14	11.0	0.03188
356	49	91	7.57	11.6	0.03140
390	50	93	7.62	11.5	0.03129
352	48	89	7.09	11.6	0.03045
387	48	89	7.48	11.4	0.03035
389	37	77	7.40	10.9	0.02909
375	49	91	6.79	11.4	0.02840
393	47	87	7.06	11.1	0.02695
355	52	96	6.91	11.1	0.02686
348	52	96	6.74	11.1	0.02663
392	52	96	6.59	11.3	0.02663
427	45	83	6.81	11.0	0.02647
430	51	94	6.84	11.0	0.02627
384	53	88	7.06	10.8	0.02614
362	52	96	6.69	10.5	0.02548
416	47	87	6.53	11.1	0.02538
412	45	83	6.16	11.2	0.02535
382	48	89	6.96	10.7	0.02532
369	50	93	6.63	11.0	0.02484
329	50	93	6.40	10.9	0.02437
314	50	93	6.55	10.7	0.02437
349	50	93	6.43	10.8	0.02394
*200	51	94	6.66	10.3	0.02351
372	49	91	6.66	10.2	0.02273
406	45	83	6.43	10.4	0.02257
422	50	93	6.41	10.4	0.02203
304	49	91	6.52	10.1	0.02171
426	47	87	6.05	10.4	0.02060
300	49	91	6.40	9.9	0.01988

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13-02-02E 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>
310	43	80	6.38	9.7	0.01947
344	49	91	6.25	9.5	0.01871
413	46	85	6.02	10.0	0.01869
317	46	85	6.22	9.5	0.01850
340	52	96	6.08	9.6	0.01811
301	33	79	5.96	9.2	0.01763
308	44	81	5.90	9.3	0.01673
221	48	89	5.71	9.5	0.01666
337	52	96	6.05	8.9	0.01645
339	49	91	5.93	9.2	0.01612
336	47	87	5.82	9.1	0.01592

**OVERALL	1879	89	6.55	10.5	0.02365

* 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: Volume(cubic meters) = .00003 D² H, where D = D.B.H. in centimeters and H = total height in meters.