

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

THREE YEAR MEASUREMENT

TEST IDENTIFICATION: 06-06-23A  
 SPECIES: Pinus oocarpa  
 Guatemala, Honduras, Belize 1982  
 COMPANY: EMBRAPA/PNPF

SITE NAME: Felixlandia  
 ELEVATION (m): 614  
 LATITUDE: 18° 45' S  
 LONGITUDE: 44° 53' W  
 ANNUAL PRECIPITATION (mm): 1220

<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>
Control 202	45	83	5.99	9.1	14.6
El Castano	397	92	5.02	7.8	10.5
San Marcos de Colon	401	93	4.83	7.3	8.9
Guaimaca	355	82	4.95	7.2	8.2
San Luis Jilotepeque	373	86	4.68	7.1	7.9
Control 405	43	80	4.87	7.3	7.7
Las Crucitas	357	83	4.66	6.8	6.8
La Campa	372	86	4.42	6.4	6.1
Tablazon	329	76	4.48	6.7	5.8

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CONTROL LOTS: 405 = Pinus oocarpa Commercial Control CAFMA  
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize

NOTE: Tree volume with bark was calculated using a formula for  
 juvenile trees: Volume(cubic meters) = .00003 D<sup>2</sup>H, 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>
*202	45	83	5.99	9.1	0.01575
147	47	87	5.09	8.3	0.01209
158	52	96	5.26	8.0	0.01173
159	53	98	5.33	8.1	0.01155
102	50	93	5.32	8.0	0.01105
350	41	76	5.44	7.8	0.01078
333	47	87	5.14	8.0	0.01061
146	48	89	4.99	7.8	0.01054
359	43	80	4.77	7.2	0.01050
96	45	83	4.87	7.9	0.01042
141	47	87	5.16	7.7	0.01013
289	44	81	5.20	7.5	0.00991
149	50	93	4.85	7.7	0.00990
219	53	98	4.88	7.7	0.00973
245	54	100	4.85	7.7	0.00971
196	41	76	4.96	7.6	0.00940
353	43	80	5.24	7.4	0.00918
329	48	89	4.87	7.3	0.00900
250	48	89	4.82	7.4	0.00883
*405	43	80	4.87	7.3	0.00874
223	53	98	4.96	7.2	0.00871
241	52	96	4.80	7.2	0.00833
236	46	85	4.79	7.2	0.00832
363	46	85	4.99	7.1	0.00826
99	45	83	4.61	7.1	0.00822
155	48	89	4.68	7.2	0.00818
157	52	96	4.75	7.3	0.00808
234	46	85	4.88	7.1	0.00807

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## 06-06-23A 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>
95	48	89	4.54	7.1	0.00794
97	47	87	4.89	7.0	0.00775
269	47	87	4.81	6.9	0.00763
105	41	76	4.41	6.7	0.00754
284	42	78	4.66	6.8	0.00751
207	38	70	4.59	6.8	0.00745
381	51	94	4.55	6.7	0.00742
188	48	89	4.41	6.9	0.00735
323	44	81	4.78	6.6	0.00726
388	40	74	4.53	6.9	0.00710
265	47	87	4.57	6.8	0.00707
247	49	91	4.68	6.7	0.00706
397	38	70	4.46	6.8	0.00690
282	42	78	4.54	6.7	0.00686
187	42	78	4.50	6.7	0.00686
267	45	83	4.50	6.5	0.00685
296	43	80	4.55	6.6	0.00679
338	43	80	4.39	6.5	0.00654
94	48	89	4.33	6.4	0.00653
384	42	78	4.45	6.5	0.00647
277	47	87	4.47	6.6	0.00643
377	51	94	4.54	6.4	0.00640
400	40	74	4.49	6.4	0.00637
110	49	91	4.41	6.2	0.00627
369	50	93	4.35	6.5	0.00625
372	45	83	4.39	6.2	0.00622
395	48	89	4.26	5.9	0.00555
192	42	78	4.33	6.2	0.00550
375	45	83	4.32	6.1	0.00542
178	40	74	4.09	5.8	0.00488
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**OVERALL	2584	85	4.73	7.0	0.00815
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\* CONTROL LOTS: 405 = Pinus oocarpa Commercial Control CAFMA  
 202 = Pinus tecunumanii Mt. Pine Ridge, Belize

\*\*Overall mean does not include control lots.

NOTE: Tree volume with bark was calculated using a formula for  
 juvenile trees: Volume(cubic meters) = .00003 D<sup>2</sup> H, where  
 D = D.B.H. in centimeters and H = total height in meters.