

# C A M C O R E

## ANOVA AND MEANS FOR FAMILY HEIGHT

### THREE YEAR MEASUREMENTS

TEST IDENTIFICATION: 10-08-09B  
SPECIES: Pinus caribaea  
COMPANY: Jari Florestal  
SITE NAME: Quadra 37 Area 60-75(85)  
LATITUDE: 0° 50' S  
LONGITUDE: 53° W  
ELEVATION: 50 - 100 m  
ANNUAL PRECIPITATION: 1981 mm

DATE PLANTED: February 1985  
DATE MEASURED: March 1988

### ANALYSIS OF VARIANCE

DEPENDENT VARIABLE: Three Year Height (meters)

<u>SOURCE</u>	<u>DF</u>	<u>SUM OF SQUARES</u>	<u>F VALUE</u>
REP	9	114.50104976	6.89 **
FAM	38	318.65442790	4.54 **
REP*FAM	313	577.74614677	2.06 **
ERROR	1773	1585.86098485	
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CORRECTED TOTAL	2133	2590.18897845	

\*\* Significant at  $p < .01$

TEST MEAN	C.V. (%)
4.87 m	19.43

## \*\*\*\*\* MEANS BY FAMILY \*\*\*\*\*

<u>Family</u>	<u># Trees</u>	<u>% Survival</u>	<u>Mean Height (m)</u>	<u>C.V. (%)</u>	<u>Mean D.B.H. (cm)</u>
382	59	98.33	5.52	24.76	7.75
387	58	96.67	5.46	21.30	8.18
391	59	98.33	5.43	16.19	8.45
348	59	98.33	5.34	16.93	8.04
350	81	96.43	5.32	20.99	8.17
354	57	95.00	5.27	17.18	7.71
383	57	95.00	5.25	21.15	7.79
347	59	98.33	5.23	20.20	8.04
327	53	88.33	5.21	21.83	8.03
352	58	96.67	5.17	16.65	7.78
332	60	100.00	5.15	18.78	7.45
366	65	98.48	5.11	16.42	7.75
326	58	96.67	5.09	19.93	7.85
341	59	98.33	5.06	16.24	7.68
355	58	96.67	5.05	22.26	7.19
356	59	98.33	4.97	23.28	6.93
339	60	100.00	4.96	18.96	7.46
360	47	97.92	4.93	16.59	7.76
338	57	95.00	4.93	19.29	7.24
390	71	98.61	4.92	20.12	7.53
381	32	88.89	4.89	17.46	7.39
373	58	96.67	4.73	20.49	6.67
388	58	96.67	4.67	28.33	7.21
358	58	96.67	4.65	24.30	7.08
365	54	90.00	4.57	34.22	6.81
397	58	96.67	4.52	21.51	6.57
* 80	28	93.33	4.51	25.55	6.54
398	59	98.33	4.51	21.93	6.37
337	57	95.00	4.48	26.72	6.62
* PV	52	86.67	4.47	17.56	7.29
363	59	98.33	4.45	19.05	6.52
353	57	95.00	4.45	21.66	6.74
345	59	98.33	4.42	21.51	6.81
* 79	30	100.00	4.41	19.69	6.40
379	60	100.00	4.37	23.28	6.12
343	46	95.83	4.34	27.65	6.53
370	58	96.67	4.30	21.29	6.29
* 81	28	93.33	4.18	28.49	5.75
* 78	29	96.67	4.02	31.56	5.81

<u>Family</u>	<u># Trees</u>	<u>% Survival</u>	<u>Mean Height (m)</u>	<u>C.V. (%)</u>	<u>Mean D.B.H. (cm)</u>
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OVERALL	2134	96.39	4.87	22.64	7.26
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The overall mean does not include control lots.

All families are from the provenance of Guanaja, Honduras

\* Control lots: 78 = P. caribaea, La Mosquitia, Honduras  
 79 = P. caribaea, San Nicolas, Honduras  
 80 = P. caribaea, San Esteban, Honduras  
 81 = P. caribaea, Los Limones, Honduras  
 PV = Commercial control, CAFMA, Brazil