

C A M C O R E

ANOVA AND MULTIPLE COMPARISONS
FOR FAMILY HEIGHT

TWO YEAR MEASUREMENTS

TEST IDENTIFICATION: 22-03-01A
SPECIES: Albizia guachapele
COMPANY: Carton de Venezuela
SITE NAME: El Hierro
LATITUDE: 9° 10' N
LONGITUDE: 69° 20' W
ELEVATION: 150 m
ANNUAL PRECIPITATION: 1123 - 1916 mm

DATE PLANTED: July 1987
DATE MEASURED: July 1989

ANALYSIS OF VARIANCE

DEPENDENT VARIABLE: Two Year Height (meters)

<u>SOURCE</u>	<u>DF</u>	<u>SUM OF SQUARES</u>	<u>F VALUE</u>
REP	8	28.40556326	5.44 **
FAM	19	40.76938400	3.29 **
REP*FAM	152	99.14902682	2.00 **
ERROR	869	283.21666667	
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CORRECTED TOTAL	1048	453.65119161	

** Significant at $p < .01$

TEST MEAN	C.V. (%)
3.79 m	15.08

***** 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>
10	54	100.00	4.16	14.63	5.62
12	50	92.59	4.14	15.10	5.64
11	53	98.15	4.02	12.13	5.49
15	54	100.00	3.94	15.05	5.31
2	52	96.30	3.91	14.64	5.41
5	54	100.00	3.91	14.70	5.65
4	54	100.00	3.88	13.85	5.43
1	53	98.15	3.87	16.34	5.41
14	53	98.15	3.83	14.45	5.02
7	54	100.00	3.78	16.46	5.21
20	49	90.74	3.74	18.19	4.90
13	52	96.30	3.73	20.34	5.18
9	50	92.59	3.71	19.75	5.09
19	50	92.59	3.71	14.87	4.97
18	54	100.00	3.71	14.19	5.18
17	54	100.00	3.64	16.77	5.00
6	53	98.15	3.62	21.31	5.08
3	53	98.15	3.60	19.57	4.94
16	51	94.44	3.49	20.75	4.63
8	52	96.30	3.30	20.65	4.46

OVERALL	1049	97.13	3.79	17.38	5.18

All families are from the provenance of Comayagua, Honduras