

Table 17. Least square means for lint yield grown with two irrigation treatments (wet vs. dry) in the 2015 RBTN conducted at Maricopa, AZ. Cultivars were grown in a 0,1 alpha lattice design with three replicates per treatment planted (May 11, 2015). The dry treatment started at first flower (July 11, 2015) and continued to the last day of irrigation (Sept. 20, 2015). The data was analyzed in SAS v9.4 using a mixed model (Cooperator: Alison Thompson)

Cultivar	Mean lbs/a	Irrigation Treatment		Treatment Difference lbs/a	Treatment Difference <i>P-value</i> [†]
		Wet*	Dry*		
	lbs/a	lbs/a	lbs/a	lbs/a	
0042-3 -7	1034	997	1070	-73	0.71
0043-28 -1	1077	1226	929	297	0.14
0045-14 -5	1216	1027	1405	-377	0.06
0045-14 -8	1054	1075	1034	41	0.81
Acala 1517-08	915	945	885	60	0.73
Ark 0701-17	1296	1296	1296	0	1.00
Ark 0705-46	1142	1405	879	526	0.00
Ark 0707-33	1215	1235	1195	40	0.82
Ark 0711-2	1075	1070	1079	-9	0.97
Ark 0712-9	1105	1175	1035	140	0.48
DP 393	1202	1064	1339	-275	0.12
DP 491	1210	1120	1299	-178	0.31
DP1044 CK	1216	1348	1084	264	0.03
FM 958	1181	1147	1215	-68	0.70
GA 2010102	943	1024	863	161	0.36
GA 2011004	1216	1316	1116	200	0.31
GA 2011124	990	1112	868	244	0.17
LA12306010	1021	850	1192	-342	0.05
LA12306017	1224	1314	1134	180	0.28
LA12306028	1176	1245	1107	138	0.43
NM 13P1088	613	357	868	-511	0.00
NM 13W3007	959	995	923	73	0.66
NM 13W3017	771	262	1280	-1017	0.00
PD 07040	1155	1137	1173	-36	0.84
PD 07092	1082	1049	1114	-66	0.71
PD 07105	995	987	1004	-17	0.92
PD 07116	951	847	1055	-208	0.21
SG 105	1227	1291	1164	127	0.47
ST4946 CK	1300	1268	1331	-63	0.63
UA 222	1048	1060	1036	24	0.90
Mean	1087	1075	1099	-	-
Cultivar (P>F)	0.006	-	-	-	-
Treatment (P>F)	0.848	-	-	-	-
Cult. x Trt. (P>F)	0.001	-	-	-	-
Reps	3	-	-	-	-

Wet treatment = 1233mm total water from May to September

Dry treatment= 1107mm total water from May to September

[†] p-values from Tukey comparison of lsmeans difference