

Table 21. Least square means for lint yield grown with two irrigation treatments (wet vs. dry) in the 2016 RBTN conducted at Maricopa, AZ. Cultivars were grown in a 0,1 alpha lattice design with three replicates per treatment planted (May 18, 2016). The dry treatment started at first flower (July 18, 2016) and continued to the last day of irrigation (Sept. 20, 2016). The data was analyzed in SAS v9.4 using a mixed model (Cooperator: Alison Thompson)

Cultivar	Mean	Irrigation Treatment		Treatment Difference	Treatment Difference
		Wet ¹	Dry ²		
	lbs/a	lbs/a	lbs/a	lbs/a	<i>P-value</i> ³
PD09046	1010	1138	864	-274	1.000
MD 16-2	1279	1623	918	-705	0.143
DP 493 CK	1396	1748	1026	-721	0.113
PD07040	1273	1633	895	-738	0.088
TAM11L-24	1190	1554	808	-745	0.078
TAM13Q-18	1474	1842	1089	-754	0.068
Ark 0819-89	1097	1469	707	-762	0.060
MS 0152-3-11	1746	2120	1354	-766	0.056
SG 105 CK	1408	1757	977	-780	0.159
NM 13G1029	1186	1596	759	-837	0.016
Ark 0824-89	1254	1679	812	-867	0.009
PD09084	1290	1727	836	-891	0.005
GA 2012141	1411	1854	950	-904	0.004
GA 2012082	1302	1756	831	-926	0.003
MD 16-1	1449	1907	973	-934	0.002
PD08028	1508	1976	1022	-954	0.001
GA 2011113	1548	2021	1057	-964	0.001
MS 0043-28-1	1317	1810	807	-1003	0.001
Ark 0822-48	1269	1805	714	-1091	<.0001
AU82074	1428	1974	864	-1111	<.0001
AU77082	1389	1944	817	-1127	<.0001
DP 393 CK	1474	2029	900	-1129	<.0001
GA 2012050	1610	2166	1036	-1130	<.0001
Ark 0812-87ne	1433	1997	852	-1146	<.0001
Ark 0818-23	1366	1948	765	-1183	<.0001
NM 13G2019	1364	1973	737	-1236	<.0001
FM 958 CK	1284	1903	647	-1256	<.0001
UA 222 CK	1449	2124	756	-1368	<.0001
Mean	1364	1824	885	-	-
Cultivar (P>F)	0.001	-	-	-	-
Treatment (P>F)	<.0001	-	-	-	-
Cult. x Trt. (P>F)	0.072	-	-	-	-
Reps	3	-	-	-	-

¹ Wet treatment = 1199.6mm total water from May to September

² Dry treatment= 1056.5mm total water from May to September

³ p-values from Tukey comparison of lsmeans difference