

Table 7. Performance of corn hybrids on Sharkey clay at St. Joseph, 2013.

Brand/hybrid	2013 Yield¹	2-yr avg	Gr mo	Test wt	Stand	Mid- silk	Plt ht	Ear ht	Ker wt²	KPE³
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in		
REV@22BHR43™	160.1	161.2	14.7	59.8	26,900	79	77	33	29.6	494
REV@28R10™	154.0	162.8	15.8	60.6	24,030	82	75	35	35.2	458
Dekalb DKC66-87	153.6	-	14.9	58.9	25,580	78	68	31	33.9	434
REV@24BHR93™	153.3	-	14.6	60.7	26,240	79	77	36	34.8	414
Dekalb DKC66-40	153.2	-	15.3	58.8	25,420	77	72	34	35.9	431
Armor 1880PRO2	151.6	-	15.0	59.6	26,240	78	75	31	38.1	376
REV® 17HR73™	151.6	-	14.0	56.9	26,730	76	70	34	31.2	462
Dyna-Gro D54VP81	151.4	157.9	15.7	60.5	24,110	78	69	29	36.7	439
BH Genetics 8735VTTP	150.2	-	14.7	58.5	25,500	81	77	38	32.1	486
Mycogen 2C786	149.8	-	14.3	59.4	26,570	78	67	34	35.7	406
Golden Acres G7601	149.0	-	15.1	59.1	26,160	77	71	36	35.3	421
Mycogen 2Y811	148.5	-	16.2	58.0	26,240	79	76	38	31.8	444
Dekalb DKC69-29	147.7	156.5	15.2	60.4	26,980	76	65	30	35.8	398
REV® 22BHR21™	147.5	-	14.8	62.1	25,580	80	75	34	32.1	458
Golden Acres G6611	146.4	-	15.2	60.1	26,320	77	70	32	33.8	416
Delta Grow DG3660VIP	145.4	-	15.4	59.6	24,680	78	74	32	32.6	484
Dekalb DKC67-57	145.1	158.0	15.0	60.5	27,720	77	66	30	37.7	372
Dyna-Gro D57VP51	145.0	155.7	15.1	60.3	27,220	76	64	27	37.9	358
Dekalb DKC66-97	144.9	157.6	14.7	59.9	25,580	78	71	30	38.5	330
BH Genetics 8900GT3	144.8	-	15.6	59.7	24,440	79	71	30	33.8	406
Armor 1262PRO2	144.7	153.7	14.2	58.8	26,400	76	77	34	31.7	430
REV@27HR83™	144.2	158.6	14.3	60.0	25,170	80	80	41	33.3	417
Croplan Genetics CG6960VT3P	144.1	152.5	15.0	61.4	27,550	77	70	30	35.8	380
REV@22BHR54™	144.0	-	15.5	57.2	25,170	77	71	34	32.3	467
REV@26BHR50™	143.8	-	15.9	61.9	27,470	78	74	34	33.8	407
BH Genetics 8550VT2P	143.5	-	14.5	59.4	25,420	77	72	32	31.3	440
Mycogen 2Y816	143.1	-	16.2	57.6	26,080	78	75	39	32.4	442
Mycogen 2J794	142.7	-	15.8	57.1	27,720	77	72	37	29.3	436
Armor 1550PRO2	142.7	-	15.8	60.6	27,310	77	69	27	34.0	393
Triumph TRX21366S	141.8	-	14.4	57.6	25,170	79	62	30	34.3	417
BH Genetics 8732VTTP	141.1	-	15.0	58.3	27,390	78	74	35	33.7	397
Golden Acres 26V21	140.9	136.3	15.3	58.3	27,060	78	72	31	33.7	387
BH Genetics 8928VTTP	140.6	152.2	15.6	57.2	26,570	77	76	40	30.9	427
Croplan Genetics CG8621VT2P	140.4	-	14.3	56.6	25,910	79	71	35	30.7	449
Croplan Genetics CG6640VT3P	140.3	-	15.2	60.9	24,520	79	65	31	34.7	442
Mycogen 2V707	139.6	-	14.3	57.0	24,760	80	65	35	33.2	435
Dyna-Gro D52VC91	139.6	-	14.7	60.0	25,340	76	65	30	33.3	410
Armor 1133PRO2	139.6	-	14.1	57.9	24,760	77	65	27	32.1	430
BH Genetics 8830VTTP	139.4	-	15.0	59.0	23,860	80	70	31	37.0	388
Dekalb DKC64-69	138.9	158.7	15.3	60.6	26,980	78	71	34	39.8	314
Delta Grow DG2788GTCBLL	138.8	-	14.3	59.3	24,600	77	72	36	34.0	417
Delta Grow DG6160VIPGTCBLL	138.0	-	14.9	59.8	25,500	78	77	34	38.5	375
Dyna-Gro D56VC46	138.0	-	15.3	59.7	26,240	76	68	31	33.1	425
REV@28HR20™	137.6	161.5	15.3	60.2	23,780	82	77	36	32.7	394
Pioneer P1105YHR	137.0	-	15.0	59.6	24,930	77	76	37	30.3	453
Delta Grow DG3788GTCBLL	137.0	130.7	16.0	58.8	24,850	76	75	35	31.4	453
REV® 18BHR84™	136.7	-	14.4	58.2	25,670	76	60	28	34.0	393

Brand/hybrid	2013 Yield¹	2-yr avg	Gr mo	Test wt	Stand	Mid- silk	Plt ht	Ear ht	Ker wt²	KPE³
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in		
Dyna-Gro D53VC13	136.6	-	14.7	60.3	22,800	77	73	32	37.8	400
Mycogen 2V714	135.7	-	14.3	56.2	27,800	80	65	34	27.5	418
Dekalb DKC61-78	135.3	-	14.8	59.7	24,930	77	65	28	40.0	372
Dekalb DKC62-08	135.2	-	14.3	58.7	26,980	77	69	36	39.1	349
Croplan Genetics CG6926RR	134.8	-	15.1	60.9	25,260	76	66	30	37.3	368
Delta Grow DG2888GTCBLL	134.6	134.8	14.8	59.8	25,580	77	75	37	31.3	418
Croplan Genetics CG8410VT3P	132.6	148.7	15.0	60.6	24,680	77	67	30	42.3	310
Pioneer P1685YHR	132.5	-	14.9	59.3	26,890	82	79	37	34.1	389
REV@25BHR44™	131.2	-	14.6	60.5	26,240	80	78	35	31.2	383
Dekalb DKC61-88	130.3	145.0	14.8	58.7	27,220	76	66	33	35.6	343
Dyna-Gro D55VP77	129.5	147.6	15.2	60.1	26,320	77	64	30	39.7	309
Triumph TR1725H	128.5	-	16.1	57.3	26,160	79	75	37	33.5	389
Delta Grow DG1660	127.6	-	14.2	56.2	25,910	77	67	31	30.3	399
BH Genetics 8700SS	126.1	-	15.2	60.1	25,830	78	70	29	34.6	399
Triumph TRX11832X	124.1	-	17.0	60.4	25,090	81	79	36	28.0	477
Mycogen 2A787	122.7	-	15.4	59.6	26,900	78	67	29	34.6	336
Armor 1555SS	119.6	-	15.4	58.7	24,110	79	68	30	39.2	335
Mycogen 2P886	117.7	-	17.8	57.9	24,850	82	80	35	26.4	455
Average	140.3		15.1	59.2	25,740	78	71	33	34.1	409
CV, %	8		2	2	6	2	4	5	5	10
LSD (0.10)	13.4		0.3	1.7	NS⁴	2	5	3	2.8	70

¹Yields in bold denote hybrids that are in the highest-yielding group in 2013. No hybrid was in the highest-yielding group for both years, 2012 and 2013.

²Ker wt = kernel weight, grams/100 kernels

³KPE = number of kernels/ear

⁴NS = non-significant at the 0.10 probability level

Corn Hybrid Performance Trial at the Macon Ridge Research Station – Winnsboro

Location Summary

May, June, and July rainfall was low in this trial (see below). About seven furrow-irrigations were applied in June and July. Yields ranged from 156.6 to 206.2 bu/acre, with a trial average of 183.3 bu/acre (Table 6). Sixteen hybrids fell within the highest-yielding group in 2013 and two hybrids, REV®24BHR93™ and Dekalb DKC67-57, were in the highest-yielding group both years, 2012 and 2013. Kernel weights ranged from 30.8 to 44.6 grams/100 kernels, with a trial average of 36.8 grams/100 kernels. Ear size ranged from 356 to 552 kernels/ear, with a trial average of 440 kernels/ear.

Soil type	Gigger silt loam
Tillage	Conventional tillage prior to planting, with no spring cultivation.
Row spacing	40 inches
Seeding rate	32,000 seed/acre
Previous crop	Cotton
Planting date	March 13
Fertilization	<i>Sidedress</i> : 200 lb N/acre (30-0-0-2)
Pesticides	<i>Burndown</i> : 1 qt/acre of Round-up, 1.5 pt/acre of 2,4-D (LV4); <i>Preemerg</i> : 3 qt/acre of Lexar; <i>Postemerg</i> : 1 qt/acre of Atrazine
Harvest date	August 28

