

Table 6. Performance of corn hybrids on Commerce silt loam at St. Joseph, 2013.

Brand/hybrid	2013 Yield¹	2-yr avg²	Gr mo	Test wt	Stand	Mid- silk	Plt ht	Ear ht	HC	Ker wt³	KPE⁴
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3		
Dekalb DKC66-87	229.4	-	15.7	59.7	31,730	75	73	32	1	42.3	407
REV@26BHR50™	224.5	-	16.9	62.9	30,670	79	82	37	1	44.2	423
Croplan Genetics CG6960VT3P	221.6	200.0	16.9	61.0	30,640	73	76	30	2	40.7	443
Pioneer P1685YHR	220.2	-	16.7	59.0	34,990	81	81	41	1	40.3	412
REV@24BHR93™	219.0	-	16.6	59.9	29,930	77	77	35	1	42.1	440
REV@27HR83™ *	218.7	212.8	15.8	60.5	29,360	76	83	38	2	42.7	432
REV@28HR20™ *	217.2	212.9	17.2	61.2	27,880	81	84	39	1	41.5	443
Dyna-Gro D57VP51	213.7	191.5	16.1	59.5	30,670	75	70	31	2	42.3	436
REV@28R10™	213.7	203.6	16.8	61.3	27,470	79	80	38	2	42.7	481
Delta Grow DG3660VIP	213.3	-	16.6	59.9	29,270	76	75	35	1	40.1	429
Dyna-Gro D56VC46	213.1	-	17.0	60.1	29,270	74	70	31	1	38.8	471
BH Genetics 8735VTTP	213.0	-	16.3	60.8	32,700	79	77	36	2	40.0	419
BH Genetics 8700SS	212.2	-	17.0	60.4	29,930	78	67	29	2	43.2	399
Croplan Genetics CG6640VT3P	212.0	-	15.8	60.1	30,280	76	62	30	1	36.8	503
Mycogen 2A787	209.9	-	16.1	58.6	30,670	75	72	31	3	39.9	449
Dekalb DKC61-88	209.9	197.6	15.3	58.2	29,360	73	75	32	3	40.7	438
Dekalb DKC66-97	209.6	200.4	15.6	61.5	29,930	74	73	30	1	41.3	427
REV@25BHR44™	209.4	-	16.3	61.4	31,820	79	81	39	2	36.7	426
REV@22BHR43™	209.1	200.3	15.4	62.3	31,730	76	78	37	2	38.4	436
Golden Acres G6611	208.7	-	16.6	58.8	28,540	76	69	32	2	38.8	453
Dekalb DKC69-29	207.9	201.8	17.1	61.4	28,780	76	70	30	1	40.4	435
Armor 1880PRO2	207.7	-	16.0	58.8	26,490	77	76	39	2	41.8	446
REV® 18BHR84™	207.6	-	15.1	58.5	32,140	75	75	29	2	37.6	445
Dekalb DKC61-78	205.2	-	15.7	58.5	33,950	72	72	32	3	40.5	394
BH Genetics 8732VTTP	204.4	-	16.5	60.0	28,040	78	77	36	1	44.0	419
REV@ 22BHR21™	204.0	-	15.5	61.5	31,980	78	84	37	1	38.7	432
BH Genetics 8900GT3	203.6	-	17.2	58.5	29,850	75	79	37	1	38.9	437
Pioneer P1105YHR	203.5	-	15.7	60.1	28,290	75	78	36	2	35.4	488
Golden Acres 26V21	203.1	187.0	17.7	56.8	27,140	75	77	34	1	38.4	501
Delta Grow DG6160VIPGTCBLL	201.5	-	16.9	60.5	28,290	75	76	38	1	44.4	406
Armor 1550PRO2	201.5	-	16.6	60.1	26,650	74	73	31	2	40.5	453
Dekalb DKC62-08	201.2	-	16.1	59.7	31,320	74	70	36	2	41.4	385
Golden Acres G7601	199.8	-	16.6	58.3	28,540	76	75	38	1	41.9	416
Dekalb DKC66-40	199.3	-	16.0	59.7	29,190	76	76	36	3	41.3	427
BH Genetics 8928VTTP	198.5	201.8	16.0	59.3	32,390	78	80	44	1	39.2	391
Armor 1555SS	197.8	-	17.7	60.6	28,210	74	68	29	1	41.9	427
Dyna-Gro D54VP81	197.4	188.6	16.8	60.5	31,820	74	70	28	1	42.1	404
Dyna-Gro D55VP77	197.2	194.4	16.7	60.4	29,770	74	70	29	2	38.6	421
Mycogen 2C786	197.0	-	14.9	58.0	31,650	79	74	40	1	41.3	393
BH Genetics 8830VTTP	196.2	-	15.5	60.2	28,860	76	75	38	1	43.0	409
BH Genetics 8550VT2P	195.0	-	15.5	59.5	29,770	72	72	31	3	38.7	406
Dyna-Gro D52VC91	194.2	-	16.0	61.0	26,900	77	69	30	2	38.5	472
Croplan Genetics CG8621VT2P	192.8	-	16.0	57.6	27,310	75	74	35	3	40.2	448
Mycogen 2V714	192.4	-	15.1	56.8	32,620	81	74	41	2	35.0	429
Mycogen 2Y811	192.3	-	17.4	59.2	28,410	80	79	37	1	37.6	431
Armor 1133PRO2	192.1	-	15.0	50.6	30,010	74	75	32	3	36.6	483
Triumph TR1725H	192.1	-	17.3	56.4	30,560	77	79	41	1	38.0	380

Brand/hybrid	2013 Yield ¹	2-yr avg ²	Gr mo	Test wt	Stand	Mid- silk	Plt ht	Ear ht	HC	Ker wt ³	KPE ⁴
	bu/a	bu/a	%	lb/bu	plt/a	DAP	in	in	1-3		
Croplan Genetics CG8410VT3P	191.9	181.1	15.8	62.4	30,500	77	68	31	1	43.9	396
Mycogen 2J794	191.2	-	18.8	57.4	29,270	80	73	37	1	35.5	466
Mycogen 2V707	191.1	-	15.7	58.9	28,370	75	74	35	2	38.9	461
REV® 17HR73™	191.1	-	16.0	58.3	31,820	79	74	31	2	35.6	443
Mycogen 2Y816	190.9	-	17.2	57.7	30,780	79	83	40	2	38.6	390
Delta Grow DG2788GTCBLL	190.1	-	16.5	59.9	31,000	77	73	33	1	40.1	400
Dekalb DKC64-69	190.0	191.8	17.2	60.0	27,390	75	69	32	3	44.7	400
REV®22BHR54™	189.6	-	16.5	58.4	28,540	78	75	37	2	36.6	437
Triumph TRX21366S	189.2	-	15.0	57.9	28,620	79	72	36	1	39.8	417
Delta Grow DG2888GTCBLL	189.0	171.0	16.5	60.2	29,030	76	76	36	1	37.7	433
Croplan Genetics CG6926RR	186.2	-	15.8	62.7	27,390	72	71	31	1	42.0	408
Triumph TRX11832X	185.8	-	17.8	59.2	28,370	80	86	45	3	32.5	523
Armor 1262PRO2	183.6	172.8	17.0	59.4	27,470	71	76	30	3	37.6	482
Dekalb DKC67-57	183.0	188.7	16.3	60.1	29,770	75	65	31	1	41.9	367
Dyna-Gro D53VC13	180.4	-	17.3	57.6	27,390	73	73	33	2	37.3	465
Delta Grow DG1660	175.4	-	15.5	56.8	31,490	75	70	34	1	32.1	414
Mycogen 2P886	174.4	-	19.6	55.9	27,060	79	85	42	2	28.2	546
Delta Grow DG3788GTCBLL	173.2	165.0	18.3	59.0	29,110	77	77	38	1	35.6	429
Average	200.0		16.4	59.5	29,610	76	74	34	2	39.5	434
CV, %	7		2	2	8	2	4	7	30	4	8
LSD (0.10)	15.2		0.3	1.7	NS⁵	3	5	4	1	2.5	54

¹Yields in bold denote hybrids that were in the highest-yielding group in 2013.

²Hybrids in bold with an asterisk (*) were in the highest-yielding group in both 2012 and 2013.

³Ker wt = kernel weight, grams/100 kernels

⁴KPE = number of kernels/ear

⁵NS = non-significant at the 0.10 probability level

Corn Hybrid Performance Trial on Sharkey Clay at the Northeast Research Station – St. Joseph

Location Summary

Rainfall was timely in April and early May and sporadic in June and July in this dryland trial (see below). Yields were relatively low, ranging from 117.7 to 160.1 bu/acre with a trial average of 140.3 bu/acre (Table 5). Fourteen hybrids fell within the highest-yielding group in 2013. Kernel weights ranged from 26.4 to 42.3 grams/100 kernels, with a trial average of 34.1 grams/100 kernels. Ear size ranged from 309 to 494 kernels/ear, with a trial average of 409 kernels/ear.

Soil type	Sharkey clay
Tillage	Stale seedbed, with no spring cultivation.
Row spacing	40 inches
Seeding rate	32,000 seed/acre
Previous crop	Cotton
Planting date	March 18
Fertilization	<i>Sidedress</i> : 230 lb N/acre (30-0-0-2)
Pesticides	<i>Preemergence</i> : 1.5 qt/acre of Atrazine, 1.5 pt/acre of Dual, and 1 oz/acre of Discipline; <i>Postemergence</i> : 1.5 oz/acre of Steadfast, 1 qt/acre of Atrazine, 0.75 oz/acre of Permit Plus, and 1% crop oil.
Harvest date	August 21-22

