

Spearman 2019 Corn Performance Trial

Brand	Hybrid	GE Trait(s)	Days to 50% Silk	Plant Height (in)	Ear Height (in)	Plants per Acre	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	D54SS74	SmartStax	74	93	35	33,136	20.9	57.6	284
Dyna-Gro	D55VC80	Genuity VT Double PRO	75	95	38	29,916	20.7	57.6	282
LG Seeds	67C45	SmartStax	75	98	41	29,925	22.1	58.8	276
Dyna-Gro	D54VC14	Genuity VT Double PRO	73	91	33	29,428	20.5	59.1	270
REV	25LPR26	Leptra	76	103	40	27,517	21.0	57.6	270
Dyna-Gro	D53TC19	Genuity Trecepta	72	91	36	28,482	19.0	58.6	270
Dyna-Gro	D58VC65	Genuity VT Double PRO	74	96	38	29,864	22.6	57.8	268
Progeny	EXP1913	Genuity VT Double PRO	73	94	38	27,748	19.7	58.8	268
Integra	6588	Genuity VT Double PRO	75	99	37	30,549	22.6	57.9	267
Dyna-Gro	D52VC63	Genuity VT Double PRO	74	95	35	30,114	20.0	57.6	267
LG Seeds	64C30	Genuity Trecepta	72	98	40	27,290	21.3	58.2	266
Progeny	PGY9117	Genuity VT Double PRO	75	97	37	30,483	22.0	57.9	265
REV	24LPR70	Leptra	73	89	37	29,948	21.0	59.0	265
REV	26BHR30	Optimum Intrasect	76	97	35	29,412	22.5	59.2	264
Dyna-Gro	D57VC17	Genuity VT Double PRO	75	94	38	30,038	22.8	59.0	264
Integra	6533	Genuity VT Double PRO	73	96	39	28,450	20.7	58.9	262
Integra	6695	Genuity Trecepta	72	93	37	29,053	21.3	58.6	260
Dyna-Gro	D53VC33	Genuity VT Double PRO	72	99	37	31,049	17.9	58.7	259
Integra	6410	SmartStax	73	88	32	30,015	20.5	58.7	257
B-H Genetics	8721	N/A	74	95	34	29,848	21.8	58.2	255
Integra	6720	Genuity DG VT Double PRO	75	96	37	31,070	22.4	58.8	253

*Yields highlighted in yellow are not significantly different (L.S.D., $p=0.05$) from the top ranked hybrid.

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LG Seeds	5643	Genuity VT Double PRO RIB	74	97	36	28,902	19.8	57.2	253
Integra	CX801115	Genuity DG VT Double PRO	73	96	36	27,276	20.5	57.7	252
Progeny	PGY8116	SmartStax	77	97	43	30,351	22.7	58.7	252
Dyna-Gro	D55VC45	Genuity VT Double PRO	74	97	39	31,064	21.3	58.6	252
Progeny	EXP1915	SmartStax	75	91	36	28,871	21.4	60.0	251
Dyna-Gro	D51VC67	Genuity VT Double PRO	72	90	35	28,736	19.4	57.7	249
Dyna-Gro	D52VC15	Genuity VT Double PRO	72	90	34	30,169	17.4	58.8	248
Dyna-Gro	D52VC50	Genuity VT Double PRO	73	94	35	28,156	20.7	57.5	247
Dyna-Gro	D52VC91	Genuity VT Double PRO	72	92	34	27,914	19.9	59.6	247
Progeny	PGY9114	Genuity VT Double PRO	72	92	32	31,276	20.4	59.1	246
LG Seeds	66C32	Genuity VT Double PRO	76	95	37	25,796	22.9	57.1	242
Pioneer	P1395R	RR2	74	99	35	27,700	19.2	59.9	237
Dyna-Gro	D49VC70	Genuity VT Double PRO	72	90	33	28,471	18.6	58.7	237
Dyna-Gro	D50VC30	Genuity VT Double PRO	73	95	39	27,061	17.7	58.9	217

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Agronomic information			Mean	74	95	36	29,288	20.7	58.5	258
Plant Date	5/2/2019		C.V. %	1.0	2.9	6.2	5.9	3.3	0.8	4.7
Harvest Date	9/25/2019		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Irrigated	Yes		L.S.D.	1.0	3.8	3.1	2,447.9	1.0	0.6	17.2
Row Spacing (in)	30	Trial Notes								
Number of Rows	2	*0.5lb/ac Zinc applied when strip-tilled								
Seeds per Acre	32,000									
N (lb/ac)	270									
P2O5 (lb/ac)	70									
K2O (lb/ac)	0									
Precipitation (in)	24									
Irrigation (in)	20									
Herbicide	8 oz/ac 24D + 32 oz/ac Roundup applied as burndown. 2 oz/ac Valor applied in March. 3oz/ac Balance Flexx + 5 oz/ac Starane + 32 oz/ac Roundup applied right after planting.									
		Soil Type	Silty clay loam							
		Tillage	Strip-tilled							
		Previous Crop	Cotton							
			Cooperator: Travis Patterson							
			Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date. For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505							

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