



Department of Soil and Crop Sciences

Dumas 2017 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)
REV	23LPR55	Leptra	79	103	44	28,691	18.1	54.9	270
Integra	9678	Genuity VT Triple PRO	79	96	40	29,738	19.7	56.0	268
LG Seeds	5618	SmartStax	80	97	36	29,654	19.4	54.7	267
Dyna-Gro	D55VP77	Genuity VT Triple PRO	78	95	42	28,817	19.7	55.2	267
Agventure	EXP1014AM	Optimum AcreMax (AM-R)	82	103	41	29,906	21.2	54.0	267
Progeny	PGY6119	Genuity VT Double PRO	82	100	44	29,996	22.8	55.8	266
Integra	6647	N/A	79	102	39	29,822	20.7	54.6	264
DEKALB	DKC 62-08	Genuity SmartStax	81	97	44	30,743	20.0	55.8	263
Integra	6533	N/A	79	101	41	27,728	20.0	57.1	263
NuTech	5V217	Agrisure Viptera 3111	79	107	43	29,068	20.6	55.7	262
Golden Acres	G8828	Genuity VT Double PRO	82	98	45	28,854	21.2	56.1	261
Phoenix	6542	Agrisure Viptera 3111	81	102	43	30,324	20.5	55.2	259
LG Seeds	5663	Genuity VT Double PRO	79	102	45	26,639	21.9	57.3	259
Hoegemeyer	HPT 8572	Optimum AcreMax (AM-R)	80	101	42	29,425	21.7	56.6	259
Golden Acres	G6832	SmartStax	82	98	40	29,277	20.9	56.8	259
Dyna-Gro	D58VC37	Genuity VT Double PRO	80	99	38	28,817	21.6	54.1	258
Integra	6400	Genuity SmartStax	80	99	40	30,734	18.6	55.1	258
Progeny	PGY6116	Genuity VT Double PRO	78	98	38	29,403	22.2	55.8	258
Golden Acres	G7893	Agrisure Viptera 3111	81	103	44	27,177	21.5	53.1	258
Progeny	PGY7215	Genuity VT Double PRO	78	98	41	26,555	20.0	55.8	258
Phoenix	6342	Agrisure Viptera 3111	80	101	39	29,026	18.8	51.2	258

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



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NuTech	5F015	Optimum AcreMax (AM-R)	79	103	38	29,654	20.5	56.1	257
LG Seeds	5643	SmartStax	81	100	42	30,953	19.9	54.5	257
Progeny	EXP1715	Genuity SmartStax	81	100	44	30,408	20.5	55.8	257
NuTech	5F713	Optimum AcreMax (AM-R)	79	101	43	30,785	19.1	55.6	256
Allegiant	11758	N/A	81	99	43	30,492	18.6	52.8	255
Progeny	EXP1726	Genuity VT Double PRO	78	93	35	29,487	18.8	55.2	255
REV	25LPR26	Leptra	81	103	41	29,403	19.9	56.0	255
Progeny	EXP1714	Genuity VT Double PRO	77	97	39	30,115	20.3	57.3	255
Hoegemeyer	HPT 8414	Optimum AcreMax (AM-R)	80	99	41	29,403	18.3	55.3	254
Golden Acres	5788	Genuity VT Double PRO	79	103	45	29,682	19.1	57.0	254
LG Seeds	5650	SmartStax	80	98	41	30,672	19.3	56.9	253
Progeny	EXP1716	Genuity VT Double PRO	82	99	42	28,733	21.5	55.9	253
Agventure	EXP1013AM	Optimum AcreMax (AM-R)	81	98	37	29,531	17.7	53.5	253
Progeny	PGY5115	Genuity VT Double PRO	81	97	36	29,143	19.1	55.9	253
Integra	6474	Genuity VT Double PRO	81	102	42	29,201	19.4	54.2	252
Allegiant	11697	N/A	78	99	42	30,027	19.5	53.9	250
Integra	6273	N/A	79	99	39	31,101	19.0	55.4	249
NuTech	5FB9016	Optimum AcreMax (AM-R)	80	104	38	28,358	20.2	56.0	249
Pioneer	P1395	Optimum Intrasect	80	100	37	28,146	20.6	57.7	248
NuTech	XFN1305	Optimum AcreMax (AM-R)	78	103	44	29,035	19.3	54.5	247
Progeny	EXP1712	Genuity VT Double PRO	81	100	40	29,277	19.1	56.4	245

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REV	28BHR18	Optimum Intrasect	81	103	45	22,407	20.8	55.9	239
Hoegemeyer	HPT 8326	Optimum AcreMax (AM-R)	79	104	38	30,701	19.1	54.9	238
Progeny	PGY4114	Genuity VT Double PRO	79	102	40	27,811	20.2	55.9	234
LG Seeds	5606	SmartStax	78	98	43	29,864	19.6	54.4	233
Agventure	RL7844YHB	Optimum Intrasect	78	98	39	27,979	18.4	55.2	232
Progeny	PGY7111	Genuity VT Double PRO	78	98	35	29,403	19.1	54.9	230
Progeny	PGY6110	Genuity VT Double PRO	78	98	37	24,126	18.9	55.0	205

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Agronomic information			Mean	80	100	41	29,108	19.9	55.4	253
Plant Date	<input type="text" value="4/27/2017"/>		C.V. %	1.6	2.8	7.4	6.8	7.1	2.8	4.6
Harvest Date	<input type="text" value="10/13/2017"/>		P>f (hybrid)	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Irrigated	<input type="text" value="Yes"/>		L.S.D.	1.8	4.0	4.2	2,760.8	2.0	2.3	16.4
Row Spacing (in)	<input type="text" value="30"/>	Trial Notes								
Number of Rows	<input type="text" value="2"/>	*Comite 2 applied pre-tassel *Prevathon applied at silking for earworm & SWCB *Prevathon applied at dough stage for SWCB *Phosphorous levels high in field								
Seeds per Acre	<input type="text" value="32,000"/>									
N (lb/ac)	<input type="text" value="192"/>	*Special appreciation expressed to Marcel Fischbacher, Moore Co. CEA, for assisting with planting, silk notes, and harvest notes.								
P2O5 (lb/ac)	<input type="text" value="0"/>									
K2O (lb/ac)	<input type="text" value="0"/>	Soil Type <input type="text"/> Tillage <input type="text" value="Strip-till"/> Previous Crop <input type="text" value="Wheat"/>								
Precipitation (in)	<input type="text" value="30.87"/>									
Irrigation (in)	<input type="text" value="18"/>	Cooperator <input type="text" value="Justin Crownover;Lonestar Family Farms"/> 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 Almaco meter units on a JD Max-Emerge II 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								
Herbicide	<input type="text" value="Basis Blend + Brash + Atrazine applied 3/17. Cinch ATZ + Sharpen + Roundup applied at planting. Status + IronClad + Atrazine applied post emergence"/>									

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