



TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Dumas 2020 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)
Pioneer	P1903	N/A	70	106	46	32,412	23.5	54.9	292
Progeny	PGY9117	Genuity VT Double PRO	N/A	105	43	31,757	25.7	55.5	288
Integra	6695	Genuity Trecepta	70	104	45	31,967	21.7	57.2	285
Agventure	AV7516	N/A	71	106	40	30,914	24.3	57.5	281
LG Seeds	5643	Genuity VT Double PRO RIB	71	103	42	30,281	22.5	55.5	281
Progeny	PGY2025	Genuity DG VT Double PRO	70	107	43	31,686	21.9	56.6	280
Progeny	EXP2013	Genuity VT Double PRO	N/A	102	43	32,600	23.4	57.1	280
Mission	A1798	Genuity VT Double PRO	70	104	43	31,850	24.2	55.0	278
Dyna-Gro	D54SS74	SmartStax	71	102	39	31,897	22.5	56.2	278
LG Seeds	67C45	SmartStax	71	105	47	32,248	23.9	56.8	277
Dyna-Gro	D57VC17	Genuity VT Double PRO	71	103	46	31,967	22.6	56.6	275
Integra	6410	SmartStax	70	103	44	31,288	21.9	57.1	275
Mission	A1477	Genuity DG VT Double PRO	71	106	46	32,459	21.6	54.5	275
Progeny	PGY8116	SmartStax	N/A	106	46	30,633	23.9	57.0	275
Progeny	EXP1915	SmartStax	71	101	42	33,092	22.3	57.2	273
Dyna-Gro	D55VC80	Genuity VT Double PRO	N/A	106	47	31,757	20.3	54.6	273
LG Seeds	66C44	Genuity VT Double PRO	N/A	108	47	33,162	21.7	55.1	270
LG Seeds	66C32	Genuity VT Double PRO	71	103	45	32,389	23.7	56.9	270
Dyna-Gro	D58VC65	Genuity VT Double PRO	71	103	42	31,124	22.7	56.8	269
Dyna-Gro	D53TC19	Genuity Trecepta	70	104	44	31,686	18.6	57.9	269
Integra	6621	Genuity DG VT Double PRO	71	107	45	30,633	21.6	56.5	269

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



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Dyna-Gro	D58QC72	Agrisure Viptera 3110	71	108	44	32,459	26.0	55.7	269
LG Seeds	68C59	N/A	N/A	114	46	31,288	23.9	55.2	267
Integra	6720	Genuity DG VT Double PRO	N/A	103	43	32,319	23.3	57.4	266
Mission	A1657	Genuity DG VT Double PRO	70	106	44	31,054	22.2	56.1	265
LG Seeds	64C30	Genuity Trecepta	71	107	43	31,405	21.0	57.6	264
Progeny	EXP2015	SmartStax	71	106	44	30,633	19.8	55.0	263
Progeny	EXP1912	Genuity VT Double PRO	70	106	43	31,967	18.0	56.5	257
Integra	6533	Genuity VT Double PRO	71	101	41	32,225	21.4	58.0	256
Integra	6588	Genuity VT Double PRO	N/A	107	48	32,670	22.5	55.5	251
Progeny	PGY2012	Genuity VT Double PRO	71	106	44	31,382	19.3	55.3	248
Mission	A1257	Genuity VT Double PRO	N/A	106	47	32,178	19.1	55.3	246
Progeny	PGY9114	Genuity VT Double PRO	71	105	45	32,506	21.7	56.4	243
Progeny	PGY2015	Genuity VT Double PRO	71	103	47	31,967	18.7	57.5	238
Progeny	EXP1913	Genuity VT Double PRO	71	99	42	32,412	17.0	54.7	227
Progeny	EXP1917	Genuity Trecepta	N/A	104	48	30,539	21.8	57.1	191

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Dumas

2020 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)	
Agronomic information			Mean	71	105	44	31,800	21.9	56.3	266
Plant Date	5/5/2020		C.V. %	0.7	1.5	3.1	4.8	3.8	1.1	3.7
Harvest Date	10/1/2020		P>f (hybrid)	0.165	0.000	0.000	0.713	0.000	0.000	0.000
Irrigated	Yes		L.S.D.		2.2	1.9		1.2	0.9	14.6
Row Spacing (in)	30		Trial Notes							
Number of Rows	2		*3 ton/ac compost applied			Cooperator Lone Star Family Farms				
Seeds per Acre	32,000		*Nitrogen applied as 32-0-0			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.				
Precipitation (in)	16.3		*7/15: Applied 6 oz/ac Steward + 4.6 oz/ac Zolera FX + 2.5 pt/ac Comite 2			For additional information contact: Dr. Ronnie Schnell / Katrina Horn ronschnell@tamu.edu / khorn@tamu.edu 979-845-2935 / 979-845-8505				
Irrigation (in)	21.47		*8/15: Applied 20 oz/ac Prevathon							
Herbicide										
3/31: 1.25 qt/ac Fultime + 12 oz/ac Strut + 12 oz/ac 2,4-D			* Mehlich 3 by ICP, soiltesting.tamu.edu							
5/9: 1.25 qt/ac Resicore + 1 pt/ac Atrazine + 1 qt/ac Gramoxone			** Samples collected at planting, some locations may have applied fertilizer							
6/13: 32 oz/ac Abundit Edge + 6 oz/ac Strut										
Soil Type	Clay loam		Fertilizer Applied		Soil Analysis Report**					
Tillage	Strip-till		N (lb/ac)	248	NO3-N (ppm)	34	pH	7.3		
Previous Crop	Corn		P2O5 (lb/ac)		P (ppm)*	67	Conductivity (umho/cm)	335		
			K2O (lb/ac)		K (ppm)*	912	Ca (ppm)*	3,347		
			S (lb/ac)		S (ppm)*	16	Mg (ppm)*	985		
			Zn (lb/ac)				Na (ppm)*	49		

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