

College Station 2020 Soybean Performance Trial

Brand	Variety	GE Trait(s)	Maturity Group	Plant Height (in)	Lodging (%)	Shattering Score	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Dyna-Gro	S52XS39	Roundup Ready 2 Xtend Soybeans with STS	5.2	32	0	4	10.5	49.4	47.1
Progeny	P5252RX	Roundup Ready 2 Xtend Soybeans	5.2	33	0	4	10.8	49.0	45.1
Credenz	CZ 5420	Roundup Ready 2 Xtend Soybeans	5.4	33	4	2	10.1	52.2	43.7
University of Missouri	S16-13165	Conventional	4.8	31	0	1	10.7	47.2	42.7
Credenz	CZ 4770	Roundup Ready 2 Xtend Soybeans	4.7	25	1	1	10.9	47.3	42.1
University of Arkansas	R13-14635RR	Roundup Ready Soybeans	5.4	32	0	4	9.4	50.6	40.9
Credenz	CZ 5299	Roundup Ready 2 Xtend Soybeans	5.2	33	0	4	12.2	50.7	40.8
Progeny	P5211	Enlist E3 Soybeans		24	0	0	9.8	49.3	40.7
University of Missouri	S16-12805	Conventional	5.5	39	0	1	12.2	47.7	40.6
University of Missouri	V-20			32	1	3	13.4	52.5	39.1
University of Missouri	S16-12774	Conventional	5.3	35	0	1	10.0	49.2	38.8
University of Missouri	S17-20780	Conventional	5.4	34	4	5	8.0	49.1	38.3
Progeny	P4970RX	Roundup Ready 2 Xtend Soybeans	4.9	28	0	1	10.4	49.2	38.1
Credenz	CZ 4649	LibertyLink Soybeans	4.6	32	0	3	9.6	49.0	37.9
Dyna-Gro	S49EN79	Enlist E3 Soybeans	4.9	23	0	0	11.2	47.9	37.3
University of Missouri	10-0			35	5	5	11.1	51.4	36.6
Credenz	CZ 5000	Roundup Ready 2 Xtend Soybeans	5.0	25	0	0	9.8	46.4	34.3
University of Missouri	S17-2193	Conventional	4.8	29	1	1	9.3	46.5	34.1
Progeny	P5170RX	Roundup Ready 2 Xtend Soybeans	5.1	29	0	0	14.1	49.0	34.1
University of Arkansas	R15-2422	Conventional	4.7	30	0	1	9.3	48.5	33.9
Mission	A4950X	Roundup Ready 2 Xtend Soybeans	4.9	26	0	0	10.0	49.8	33.8

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked variety. Shattering score is based on a 0-9 scale. 0 = no shattering, 9 = severe.

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Credenz	CZ 4869	Roundup Ready 2 Xtend Soybeans	4.8	22	0	0	10.4	49.2	33.8
Progeny	P4908	Enlist E3 Soybeans	4.9	32	0	3	10.4	46.4	32.4
Dyna-Gro	S48XT90	Roundup Ready 2 Xtend Soybeans	4.8	28	0	1	11.0	48.7	32.0
Credenz	CZ 4730	Roundup Ready 2 Xtend Soybeans	4.7	25	0	0	10.4	45.3	29.0
Progeny	P4902	Enlist E3 Soybeans	4.9	22	0	2	10.4	48.7	28.8
Credenz	CZ 4979	Roundup Ready 2 Xtend Soybeans	4.9	26	0	1	8.6	42.9	27.2
Credenz	CZ 4570	Roundup Ready 2 Xtend Soybeans	4.5	23	0	0	9.2	47.1	26.7
Credenz	CZ 4918	LibertyLink Soybeans	4.9	23	0	0	8.6	46.0	26.4
Credenz	CZ 4600	Roundup Ready 2 Xtend Soybeans	4.6	21	0	0	9.8	42.6	25.0
Credenz	CZ 4539	LibertyLink GT27 Soybeans	4.5	22	0	0	8.6	42.8	24.1
Credenz	CZ 4810	Roundup Ready 2 Xtend Soybeans	4.8	21	0	0	12.0	44.6	23.4
Progeny	P4821RX	Roundup Ready 2 Xtend Soybeans	4.8	22	0	0	11.3	45.3	23.4
University of Missouri	S17-5044	Roundup Ready Soybeans	4.6	27	0	0	9.7	43.5	22.7
Mission	A4828X	Roundup Ready 2 Xtend Soybeans	4.8	29	0	0	9.9	42.5	21.8
University of Missouri	020			32	0	6	8.8	41.4	21.1
Dyna-Gro	S49XT70	Roundup Ready 2 Xtend Soybeans	4.9	27	0	0	9.7	41.6	20.2
University of Missouri	S17-6302		4.7	24	0	1	12.7	39.0	20.1
University of Missouri	S17-17195	Conventional	4.7	27	0	1	14.1	41.4	20.0
Progeny	P5016RXS	Roundup Ready 2 Xtend Soybeans with STS	5.0	22	0	0	13.0	42.7	19.8
University of Missouri	S17-1828	Conventional	4.5	19	0	0	11.4	46.1	17.4
Progeny	P4851RX	Roundup Ready 2 Xtend Soybeans	4.8	28	0	0	12.4	34.9	17.3

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TEXAS A&M UNIVERSITY
Soil & Crop Sciences

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University of Missouri	S17-10339	Roundup Ready Soybeans	4.9	33	0	0	10.3	33.4	17.2
University of Missouri	S17-10809	Roundup Ready Soybeans	4.7	27	0	0	12.5	37.7	15.9

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Brand	Variety	GE Trait(s)	Maturity Group	Plant Height (in)	Lodging (%)	Shattering Score	Moisture %	Test Weight (lb/bu)	Yield (bu/acre)
Agronomic information			Mean	28	0	1	10.6	46.0	31.0
Plant Date	4/1/2020		C.V. %	7.1	363.1	60.4	18.6	7.6	21.5
Harvest Date	9/30/2020		P>f (hybrid)	0.000			0.004	0.000	0.000
Irrigated	Yes		L.S.D.	2.8			3.1	5.9	10.4
Row Spacing (in)	30		Trial Notes						
Number of Rows	2		7/16: Applied 1 lb/ac acephate for stink bugs						
Seeds per Acre	140,000		8/6: Applied 1 lb/ac acephate + 3.8 oz/ac Lambda-Cy						
Precipitation (in)	19.1		8/18: Applied 1 lb/ac acephate + 3.8 oz/ac Lambda-Cy						
Irrigation (in)	12.5		9/18: Sprayed 25 oz/ac Cornerstone + 2 oz/ac Sharpen as harvest aid						
Herbicide			*Tropical storms and rainy weather patterns delayed harvest and contributed to a higher CV.						
Pre-emerge: 14 oz/ac Outlook + 1 oz/ac Sharpen			* Mehlich 3 by ICP, soiltesting.tamu.edu						
Post-emerge: 16 oz/ac Select			** Samples collected at planting, some locations may have applied fertilizer						
Soil Type	Silty clay loam		Fertilizer Applied			Soil Analysis Report**			
Tillage	Conventional		N (lb/ac)	0	NO3-N (ppm)	13	pH	8.0	
Previous Crop	Grain sorghum		P2O5 (lb/ac)	0	P (ppm)*	46	Conductivity (umho/cm)	135	
			K2O (lb/ac)	0	K (ppm)*	248	Ca (ppm)*	5,602	
			S (lb/ac)	0	S (ppm)*	10	Mg (ppm)*	182	
			Zn (lb/ac)	0			Na (ppm)*	12	

Cooperator: Texas A&M AgriLife

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. 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.

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