

# Wharton

## 2019 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	S49XT39	Roundup Ready 2 Xtend Soybeans	4.9	31	0	1	11.0	44.9	36
REV	4927X	Roundup Ready 2 Xtend Soybeans	4.9	28	0	2	12.7	49.3	34
University of Arkansas	R13-13997	Conventional	5.4	21	0	1	10.8	47.2	33
University of Arkansas	R15-2422	Conventional	4.7	38	0	1	13.3	50.3	33
Progeny	P5252RX	Roundup Ready 2 Xtend Soybeans	5.2	35	0	1	11.8	49.9	33
University of Arkansas	R14-1422	Conventional	5.4	21	0	1	13.5	50.1	32
Petrus Seed	4916	Roundup Ready Soybeans	4.9	21	0	2	11.8	50.8	32
Dyna-Gro	S52RS86	Roundup Ready 2 Yield Soybeans with STS	5.2	29	0	1	15.4	46.4	32
Garcia Grain	WCV-4810	N/A		38	0	1	9.6	48.9	32
University of Missouri	S11-20337GT	Roundup Ready Soybeans	4.9	22	0	1	12.2	52.6	31
University of Arkansas	R13-14635RR	Roundup Ready Soybeans	5.4	36	0	1	13.8	48.1	31
REV	49L88	LibertyLink Soybeans	4.9	28	0	4	11.5	50.8	30
Progeny	P4851RX	Roundup Ready 2 Xtend Soybeans	4.8	26	0	1	12.4	48.8	30
Credenz	CZ 5515	LibertyLink Soybeans	5.5	31	0	1	12.6	48.8	30
Credenz	CZ 4938	LibertyLink Soybeans	4.9	37	0	1	10.3	49.4	30
Credenz	CZ 5242	LibertyLink Soybeans	5.2	36	0	1	15.3	54.4	30
REV	49R94	Roundup Ready Soybeans	4.9	28	0	2	11.8	47.8	29
University of Missouri	S15-10434C	Conventional	5.5	18	0	1	12.4	50.1	29
University of Arkansas	R15-1587	Conventional	5.1	18	0	1	11.1	47.6	29
Progeny	P5170RX	Roundup Ready 2 Xtend Soybeans	5.1	35	0	1	11.9	49.4	29
Progeny	P4999RX	Roundup Ready 2 Xtend Soybeans	4.9	28	0	1	12.3	51.1	28

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

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Dyna-Gro	S52XS39	Roundup Ready 2 Xtend Soybeans with STS	5.2	35	0	1	11.6	52.0	28
Garcia Grain	WCO-4820	N/A		41	0	1	14.7	51.2	27
University of Missouri	S14-15138R	Roundup Ready Soybeans	4.8	24	0	1	12.6	46.3	27
Garcia Grain	Otono	Conventional		40	0	1	13.6	47.2	27
University of Arkansas	R13-818	Conventional	5.3	19	0	1	11.9	52.1	27
Progeny	P4821RX	Roundup Ready 2 Xtend Soybeans	4.8	27	0	1	12.2	48.7	27
Dyna-Gro	S48XT56	Roundup Ready 2 Xtend Soybeans	4.8	27	0	1	12.5	46.3	26
Credenz	CZ 4918	LibertyLink Soybeans	4.9	26	0	2	11.1	46.9	26
Garcia Grain	WCO-4610	N/A		39	0	2	12.7	50.3	26
Garcia Grain	WCV-4614	N/A		38	0	2	11.9	47.5	26
Progeny	P5226RYS	Roundup Ready 2 Yield Soybeans with STS	5.2	28	0	1	14.4	45.8	25
Dyna-Gro	S49XS76	Roundup Ready 2 Yield Soybeans with STS	4.9	25	0	1	12.1	46.2	24
University of Missouri	S14-15146R	Roundup Ready Soybeans	4.6	22	0	2	11.4	46.9	24
University of Missouri	S13-3851C	Conventional	4.4	29	0	1	13.0	45.5	24
University of Tennessee	TN13-5537R1	Roundup Ready Soybeans	5.3	18	0	1	14.5	49.0	24
University of Missouri	S13-1955C	Conventional	5.5	17	0	2	12.2	50.0	23
University of Missouri	S13-10592C	Conventional	4.5	28	0	3	13.3	49.2	23
Progeny	P5016RXS	Roundup Ready 2 Xtend Soybeans with STS	5.0	24	0	1	16.8	50.5	23
University of Missouri	S14-9051R	Roundup Ready Soybeans	4.7	24	0	2	11.4	46.7	23
University of Missouri	S14-9017R	Roundup Ready Soybeans	5.3	22	0	1	11.6	46.7	22
University of Tennessee	TN16-520R1	Roundup Ready Soybeans	4.9	18	0	1	11.9	47.9	22

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



TEXAS A&M UNIVERSITY  
Soil & Crop Sciences

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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)
Garcia Grain	Vernal	Conventional		42	0	2	13.2	49.4	22
University of Missouri	S13-2743C	Conventional	4.1	25	0	1	10.1	48.8	18
University of Missouri	S13-10590C	Conventional	4.3	24	0	3	12.3	45.6	18

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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)
<b>Agronomic information</b>			Mean	28	0	1	12.4	48.7	27
Plant Date	4/12/2019		C.V. %	9.3		41.3	13.3	7.1	14.9
Harvest Date	9/3/2019		P>f (hybrid)	0.000			0.000	0.227	0.000
Irrigated	No		L.S.D.	3.6			2.3		5.7
Row Spacing (in)	40		<b>Trial Notes</b>						
Number of Rows	2		*6/11: 6 oz/ac Sniper + 6 oz/ac Satori + 4 oz/ac Liberate						
Seeds per Acre	140,000		*7/17: 1 lb/ac Acephate 92UP + 6 oz/ac Sniper + 4 oz/ac Liberate						
N (lb/ac)	11		*8/9: 12 oz/ac Paraquat as defoliant + 1 oz/ac Freeway						
P2O5 (lb/ac)	36		Cooperator <b>Howard Wittig</b>						
K2O (lb/ac)	56		Four replications of each variety are planted in a randomized block design. Model : yield = variety blk. LSD provided when variety significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked variety. 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						
Precipitation (in)	35.91		Soil Type	Loam					
Irrigation (in)			Tillage	Re-hipped rows from 2018-2019					
Herbicide	4/17: 18oz/ac Medal EC. 5/22: 10 oz/ac Clethodim + 50 oz/ac Warrant Ultra.		Previous Crop	Soybean					

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