

**Table 1. 2019 University of Maryland State Soybean Variety Trials Summary**

<b>Group 3</b>		<b>State Average</b>			<b>Full Season</b>				<b>Double Crop</b>	
<b>Brand</b>	<b>Variety</b>	<b>All</b>	<b>Full Season</b>	<b>Double Crop</b>	<b>Keedysville</b>	<b>Clarksville</b>	<b>Wye</b>	<b>Quantico</b>	<b>Wye</b>	<b>Quantico</b>
		<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>
		<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>
USG	7399ET	61.7	65.4	54.2	77.0 *	67.0 *	59.0 *	58.7 *	58.9	49.6
Dyna-Gro	S39EN19	61.7	63.5	58.1	72.9	64.9 *	57.5 *	58.5 *	63.4 *	56.4 *
Asgrow	AG37X0	61.1	62.4	58.4	72.5	63.4 *	58.3 *	55.6	67.7 *	54.1 *
LG SEEDS	C3985RX	61.0	62.3	58.2	79.5 *	60.7	52.0	57.3 *	63.8 *	49.9
Mid-Atlantic Seeds	MAS3718RR2/X	60.4	62.3	56.6	71.6	60.0	54.5 *	63.0 *	65.0 *	53.3 *
USG	73P93R	60.0	61.4	57.3	70.4	62.1 *	57.0 *	55.9	60.6	49.4
Credenz	CZ 3929GTLL	59.3	60.4	57.2	73.2	57.9	53.5 *	56.9	65.4 *	47.6
Pioneer	P37T51PR	58.2	57.6	59.3	65.1	58.4	51.4	55.5	69.1 *	49.3
Asgrow	AG36X6	58.0	62.3	49.3	76.1 *	67.8 *	48.6	56.7	48.7	48.2
Dyna-Gro	S39XT68	57.8	59.5	54.3	67.3	58.9	54.8 *	57.1	64.4 *	51.2
Seed Consultants	SC 8399X	57.7	60.9	51.2	74.8 *	60.9	58.5 *	49.5	53.5	45.7
NK Brand	S39-G2X	57.3	59.2	53.5	72.0	59.5	53.0	52.2	59.3	52.8 *
Mid-Atlantic Seeds	MAS3884GT/LL	57.1	57.0	57.1	73.3	56.9	49.2	48.8	64.8 *	43.1
Asgrow	AG38X8	56.7	56.8	56.5	74.1	52.5	45.0	55.7	64.3 *	46.0
LG SEEDS	LGS3777RX	56.4	60.3	48.5	79.9 *	56.3	52.4	52.8	49.9	44.2
Mid-Atlantic Seeds	MAS3419GT/LL	56.1	56.2	56.0	67.0	53.0	59.4 *	45.4	60.9 *	47.8
Asgrow	AG37X9	56.0	58.8	50.5	73.1	53.8	53.5 *	54.8	58.6	42.3
USG	7390ET	56.0	59.7	48.6	77.3 *	56.2	52.0	53.1	51.1	48.8
USG	7370ETS	55.6	59.7	47.5	73.1	55.8	56.2 *	53.6	51.9	49.0
Southern Harvest	SH3814 LL	55.6	53.7	57.5	-	56.6	50.8	- *	58.5	47.9
Credenz	CZ 3309GTLL	55.3	57.4	51.0	74.7	55.9	54.6 *	44.4	56.4	45.6
Asgrow	AG38X8	54.8	57.8	48.9	74.3	54.4	51.0	51.6	50.2	49.1
Mid-Atlantic Seeds	MAS3600E3/STS	54.8	56.4	51.8	62.6	55.6	56.1 *	51.2	50.2	48.8
Credenz	CZ 3519GTLL	54.3	55.1	52.7	76.8 *	56.2	43.8	43.8	57.5	52.6 *
Mid-Atlantic Seeds	MAS3818GT/LL/STS	53.8	54.9	51.7	75.6 *	56.7	39.2	48.2	57.6	47.1
	Mean	57.5	59.2	53.8	70.1	58.5	52.9	53.3	58.9	48.8
				CV	8.6%	12.5%	14.4%	15.0%	15.1%	9.9%
				LSD <sub>10</sub>	5.23	5.94	6.27	5.63	8.18	4.43

Yields followed by an asterisk " \*" are not significantly different from the leading line.

**Table 1. Continued**

<b>Group 4 Early</b>		<b>State Average</b>			<b>Full Season</b>				<b>Double Crop</b>	
<b>Brand</b>	<b>Variety</b>	<b>All</b>	<b>Full Season</b>	<b>Double Crop</b>	<b>Keedysville</b>	<b>Clarksville</b>	<b>Wye</b>	<b>Quantico</b>	<b>Wye</b>	<b>Quantico</b>
		<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>
		<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>
Dyna-Gro	S43XS27	62.6	63.8	60.2	65.7 *	56.6	63.0 *	69.8 *	67.8 *	52.5 *
Asgrow	AG42X9	60.8	63.5	55.5	77.3 *	54.2	61.6 *	60.8	56.3	54.7 *
Mid-Atlantic Seeds	MAS4367GT/LL	60.5	60.4	60.8	71.2 *	56.2	53.3	61.0	71.0 *	50.5
USG	7410ET	59.9	62.0	55.9	78.2 *	63.3 *	47.5	59.0	54.8	57.0 *
USG	7447XTS	59.7	62.8	53.5	69.2 *	63.3 *	54.7 *	64.0 *	54.4	52.5 *
Dyna-Gro	S41XS98	59.5	60.0	58.6	70.3 *	61.1 *	51.2	57.3	65.3 *	51.9
LG SEEDS	C4227RX	59.3	60.9	56.1	63.5 *	63.2 *	57.3 *	59.6	59.8	52.4 *
Asgrow	AG43X8	58.7	60.5	55.1	63.2 *	60.5 *	50.9	67.6 *	55.2	55.1 *
Dyna-Gro	S42EN89	58.3	60.0	55.1	74.3 *	58.6 *	48.2	58.7	54.3	55.9 *
Asgrow	AG43X0	58.1	59.1	56.2	65.5 *	61.8 *	49.1	59.9	59.8	52.6 *
NK Brand	S44-C7X	57.5	57.5	57.4	61.5 *	62.7 *	44.9	60.7	62.0	52.9 *
Southern Harvest	SH4019 LLGT	57.3	56.9	58.2	65.5	50.9	50.9	60.3	64.7 *	51.6
Pioneer	P42T71PR	57.2	59.0	53.6	62.0 *	56.6	62.4 *	54.9	53.4	53.8 *
Virtue	V4220S	57.0	59.0	54.9	- *	57.4	60.7 *	-	56.8	53.1 *
Dyna-Gro	S40GL59	56.4	58.2	52.7	63.1 *	52.7	53.3	63.9 *	54.4	51.0
Seed Consultants	SC 8428X	55.8	60.6	46.0	67.9 *	55.7	63.1 *	55.9	40.3	51.6
USG	7440 ETS	55.7	57.9	51.2	68.9 *	54.2	51.3	57.3	48.6	53.8 *
USG	7429ET	55.2	60.6	44.5	63.1 *	61.3 *	53.9	64.2 *	36.5	52.4 *
	Mean	58.3	60.1	54.7	67.7	58.3	54.3	60.9	56.4	53.1
				CV	10.8%	10.0%	15.3%	15.5%	19.1%	8.3%
				LSD <sub>10</sub>	6.1	4.7	7.7	6.8	8.1	4.9

**Table 1. Continued**

<b>Group 4 Late</b>											
<b>Brand</b>	<b>Variety</b>	<b>State Average</b>			<b>Full Season</b>				<b>Double Crop</b>		
		<b>All</b>	<b>Full Season</b>	<b>Double Crop</b>	<b>Keedysville</b>	<b>Clarksville</b>	<b>Wye</b>	<b>Quantico</b>	<b>Wye</b>	<b>Quantico</b>	
		<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	
		<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>
Asgrow	AG46X6	64.7	66.9	60.3	72.6 *	78.3 *	51.2	65.6	62.3	58.3 *	
Asgrow	AG48X9	62.9	66.1	56.5	66.9	65.1	57.4	75.0 *	59.2	53.8 *	
USG	7450 ETS	62.5	63.5	60.5	73.4 *	58.2	55.9	66.4	67.4	53.6 *	
USG	7460ET	62.5	61.8	63.8	67.4	57.5	59.6 *	62.8	71.6 *	56.0 *	
DONMARIO	DM 47X39	62.0	60.1	65.8	69.3 *	55.5	51.5	64.1	76.5 *	55.0 *	
Mid-Atlantic Seeds	MAS4519E3/STS	60.9	62.7	57.4	70.8 *	52.6	63.2 *	64.1	57.8	57.0 *	
Dyna-Gro	S46XS60	60.9	59.8	63.0	59.5	63.5	58.2	58.0	69.6 *	56.3 *	
Dyna-Gro	S46XT80	60.6	63.3	55.4	69.7 *	54.4	58.9	70.1 *	56.6	54.1 *	
DONMARIO	DM EXP49	60.5	60.8	59.9	64.4	61.0	54.1	63.8	64.1	55.7 *	
Asgrow	AG47X0	60.5	60.1	61.3	71.8 *	51.7	59.4 *	57.5	65.9	56.8 *	
Asgrow	AG46X0	60.1	61.0	58.2	73.1 *	57.6	45.8	67.3 *	66.4	50.0 *	
USG	7480XT	60.0	62.1	55.8	71.9 *	58.0	54.2	64.2	60.4	51.2 *	
Virtue	V4720 S	59.9	61.5	57.5	-	58.1	61.9 *	64.3	60.8	54.3 *	
Southern Harvest	SH4820 E3	59.9	61.5	56.7	63.3	58.2	59.2 *	65.2	59.5	53.9 *	
USG	7479ET	59.8	60.8	57.8	66.4	58.8	53.3	64.4	64.1	51.5 *	
NK Brand	s49-F5X	59.8	60.9	57.5	61.2	62.9	56.4	62.9	62.8	52.3 *	
LG SEEDS	LGS4899RX	59.7	62.0	55.2	65.4	60.2	53.2	69.1 *	57.2	53.3 *	
Asgrow	AG46X0	59.7	62.1	54.9	74.1 *	56.2	54.9	63.1	57.4	52.3 *	
NK Brand	S47-Y9X	59.7	60.2	58.5	64.1	56.8	51.6	68.5 *	63.7	53.4 *	
Seed Consultants	SC 9489BR	59.6	60.8	57.3	70.6 *	59.6	46.7	66.3	60.4	54.1 *	
Seed Consultants	SC 9469BR	59.5	60.7	56.9	70.9 *	62.6	46.7	62.7	61.4	52.5 *	
Dyna-Gro	S48XT56	59.4	59.0	60.3	68.1	60.7	47.0	60.3	67.5	53.1 *	
LG SEEDS	C4845RX	59.4	60.7	56.8	67.0	60.7	48.2	66.9 *	61.1	52.6 *	
University of Missouri	S14-15138R	59.2	59.2	59.1	70.7 *	52.0	50.1	64.0	63.5	54.7 *	
Virtue	V4520 S	59.1	58.9	59.3	-	58.8	58.3	59.5	64.2	54.4 *	
Dyna-Gro	S46XS87	59.0	59.0	59.1	64.2	52.6	59.3 *	59.8	69.7 *	48.4 *	
USG	7480ET	59.0	58.3	60.3	65.3	51.1	59.8 *	57.2	64.5	56.1 *	
DONMARIO	DM 48E73	58.9	59.2	58.2	60.6	57.2	57.3	61.9	64.3	52.2 *	
Virtue	V4920 S	58.9	57.6	60.8	-	53.1	56.3	63.5	65.5	56.1 *	
USG	7496XTS	58.7	58.8	58.5	63.6	57.4	49.1	65.0	62.0	55.0 *	
USG	7478XTS	58.6	58.3	59.1	73.8 *	59.8	42.0	57.5	61.7	56.6 *	
University of Missouri	S14-15146R	58.5	58.9	57.7	73.0 *	60.7	54.2	47.7	59.2	56.2 *	
Mid-Atlantic Seeds	MAS4550GT/LL/STS	57.9	57.9	57.9	65.5	50.8	56.1	59.3	60.9	54.8 *	
Dyna-Gro	S49EN79	57.4	57.2	57.9	62.4	60.8	46.8	58.9	63.2	52.7 *	
Credenz	CZ 4539GTLL	57.4	58.9	54.3	71.1 *	56.5	46.8	61.4	54.4	54.1 *	
Southern Harvest	SH4619 LLGT	54.6	55.0	53.7	66.7	47.6	42.7	63.1	58.5	48.9 *	
Virginia Tech	V12-4590	52.5	48.5	56.5	-	46.7	50.4	-	62.0	50.9 *	
LG SEEDS C4567RX	LGS4597RX	51.9	47.1	61.5	67.1	57.2	55.9	8.1	64.6	58.3 *	
Southern Harvest	SH4817 LL	50.1	41.7	62.8	-	57.2	67.6 *	0.2	74.9 *	50.7 *	
Pioneer Seed	P46A45PR	47.4	44.1	53.9	74.9 *	55.9	44.4	1.3	57.9	49.9	
	Mean	58.8	58.9	58.4	68.0	57.6	53.6	63.1	63.1	53.8	
				CV	9.5%	15.4%	17.5%	15.9%	12.5%	9.1%	
				LSD <sub>10</sub>	5.6	8.8	8.6	8.1	7.8	5.3	

**Table 1. Continued**

<b>Group 5</b>											
<b>Brand</b>	<b>Variety</b>	<b>State Average</b>			<b>Full Season</b>				<b>Double Crop</b>		
		<b>All</b>	<b>Full Season</b>	<b>Double Crop</b>	<b>Keedysville</b>	<b>Clarksville</b>	<b>Wye</b>	<b>Quantico</b>	<b>Wye</b>	<b>Quantico</b>	
		<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	<b>Yield</b>	
		<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	<b>Bu/Ac</b>	
Southern Harvest	SH5215LL	58.0	58.6	57.4	-	-	65.5 *	51.6 *	62.1	52.7 *	
University of Missouri	S14-9017R	56.8	56.0	57.5	-	-	60.4 *	51.7 *	63.2	51.9 *	
NK Brand	S53-F7X	57.0	56.0	58.0	-	-	57.7	54.3 *	66.7	49.3 *	
University of Missouri	S16-3747RY	55.8	50.0	61.6	-	-	49.1	51.0 *	76.4 *	46.8	
Virginia Tech	v12-1416	53.5	52.2	54.9	-	-	48.0	56.4 *	63.0	46.7	
Virginia Tech	v16-1672RLP	45.5	45.0	46.1	-	-	45.1	44.8	46.0	46.2	
	Mean	54.4	53.0	55.9			54.3	51.6	62.9	49.0	
						CV	19.5%	12.9%	18.3%	9.8%	
						LSD <sub>10</sub>	7.4	6.5%	9.5	4.5	

Yields followed by an asterisk " \*" are not significantly different from the leading line.  
 ‡ Severe lodging impeded accurate yield measurements.  
 We gratefully acknowledge the assistance and experience of the personnel of the University of Maryland Research and Education Centers.

