

Table 1. 2018 University of Maryland State Soybean Variety Trials Yield Summary Factsheet

Group 3												
Brand	Variety	State Average			Full Season				Full Season + Sprays		Double Crop	
		All	Full Season	Double Crop	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	
		Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	
NK Brand	S39-P5X	71.8	73.1	71.4	77.9 *	65.8 *	66.1 *	72.5 *	83.0 *	77.1 *	65.6 *	
UniSouth Genetics	73P93R	71.0	73.8	65.0	76.9 *	70.6 *	61.8	75.8 *	84.2 *	73.4	56.6	
Asgrow	AG38X6	69.9	71.6	62.2	75.5 *	66.7 *	62.2	80.0 *	73.5 *	62.8	61.7 *	
Dyna-Gro	S39XT68	69.8	71.1	69.4	80.0 *	57.6	64.2 *	83.0 *	71.0 *	75.5 *	63.3 *	
Hubner	H38-27R2X	69.6	71.7	63.7	78.2 *	61.8 *	73.3 *	72.0	72.9 *	67.8	59.6 *	
Asgrow	AG37X9	69.3	69.8	76.7	81.7 *	67.4 *	66.0 *	65.7	68.2 *	87.0 *	66.5 *	
Dyna-Gro	S39XT08	68.7	69.3	66.9	80.8 *	60.9 *	59.6	65.9	79.3 *	68.2	65.6 *	
UniSouth Genetics	USG7399XT	67.5	70.4	64.7	80.6 *	67.5 *	69.9 *	65.4	68.7 *	76.7 *	52.8	
Mid-Atlantic Seed	MAS3718RR2/X	67.3	67.9	68.3	66.1	57.5	61.6	76.8 *	77.3 *	72.4	64.3 *	
Dyna-Gro	S37XS89	66.4	67.0	67.2	76.0 *	62.1 *	63.8 *	68.0	65.0	70.8	63.7 *	
Doebler's	DB39X9	66.1	67.7	67.4	77.8 *	59.2	58.6	75.6 *	67.4 *	77.1 *	57.7 *	
UniSouth Genetics	USG7379XTS	65.1	66.6	68.1	76.4 *	61.0 *	63.8 *	69.4	62.7	78.6 *	57.6 *	
Asgrow	AG38X8	65.0	65.9	68.7	76.4 *	66.6 *	55.4	65.1	66.1 *	77.2 *	60.2 *	
Mid-Atlantic Seed	MAS3611RR2/X	64.9	65.5	65.6	74.5	60.1 *	59.3	69.4	64.2	69.4	61.8 *	
Asgrow	AG36X6	62.5	63.4	65.8	75.4 *	63.0 *	50.8	67.6	60.0	73.3	58.3 *	
Pioneer	P37T51PR	61.7	61.5	66.6	70.6	46.0	62.9	66.6	61.4	70.4	62.9 *	
Mid-Atlantic Seed	MAS3516RR2	59.8	59.9	64.9	71.4	42.2	55.3	69.2	61.3	70.3	59.4 *	
Mid-Atlantic Seed	MAS3681RR2/X	59.7	60.4	66.7	74.8 *	51.6	53.0	63.6	59.0	77.3 *	56.1	
Pioneer	P33T34PR	56.0	55.0	61.6	60.7	56.1	47.9	64.3	46.0	62.0	61.3 *	
Mean		65.9	66.9	66.9	75.3	60.2	60.8	70.3	68.0	73.0	60.8	
CV					8.7%	15.0%	13.0%	12.7%	22.0%	15.1%	13.6%	
LSD ₁₀					6.8	8.9	7.7	11.3	15.8	15.6	11.8	

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

Group 4 Early												
Brand	Variety	State Average			Full Season				Full Season + Sprays		Double Crop	
		All	Full Season	Double Crop	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	
		Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	
Hubner	H44-26R2X	79.5	80.3	71.9	86.0 *	73.2 *	81.3 *	75.6 *	85.3 *	68.0	75.8 *	
Hubner	H43-27R2X	78.8	80.3	67.0	84.2 *	79.8 *	74.1	83.7 *	79.7	62.5	71.4	
UniSouth Genetics	USG7447XTS	78.8	79.5	72.0	74.3	68.5	78.4 *	83.4 *	93.0 *	68.7	75.2 *	
Dyna-Gro	S43XS27	77.7	78.0	73.4	83.1 *	67.6	77.9 *	80.7 *	80.5 *	70.4 *	76.3 *	
NK Brand	S42-89XS	76.3	75.0	74.4	73.6	72.2 *	69.9	82.2 *	77.2	66.3	82.5 *	
Mid-Atlantic Seed	MAS4355NRR2/STS	75.8	75.3	78.3	79.0 *	71.8 *	79.4 *	71.7	74.6	78.5 *	78.0 *	
Dyna-Gro	S41XS98	75.7	74.6	78.2	72.6	64.5	75.2 *	79.9 *	81.1 *	75.3 *	81.1 *	
Hubner	H42-28R2X	75.1	76.9	70.6	80.2 *	71.2 *	72.7	69.8	90.4 *	74.7 *	66.5	
Asgrow	AG42X9	74.7	74.0	74.5	76.9	68.5	68.6	80.4 *	75.8	71.2 *	77.8 *	
UniSouth Genetics	74F24RS	74.0	75.8	71.7	87.1 *	66.8	78.7 *	74.5 *	71.8	77.9 *	65.5	
Asgrow	AG44X6	73.9	73.8	73.7	73.9	70.8 *	73.8	73.5 *	77.0	73.3 *	74.0 *	
Asgrow	AG43X8	72.6	71.4	77.7	78.1 *	60.6	67.7	72.1	78.5	76.5 *	78.9 *	
Doebler's	DB42X9	72.0	72.6	67.3	66.1	65.2	78.9 *	74.6 *	78.3	65.5	69.2	
Asgrow	AG43X7	71.7	72.5	71.2	74.5	62.5	77.3 *	76.7 *	71.4	74.5 *	67.9	
Pioneer	P41T65PR	66.6	64.6	77.4	64.9	52.9	62.9	75.0 *	67.3	78.5 *	76.3 *	
Mean		74.9	75.0	73.3	77.0	67.7	74.5	76.9	78.8	72.1	74.4	
CV					11.2%	13.4%	8.1%	12.7%	14.0%	10.7%	11.2%	
LSD ₁₀					9.6	10.9	4.8	14.3	8.1	10.1	11.1	

Group 4 Late

Brand	Variety	State Average			Full Season				Full Season + Sprays		Double Crop	
		All	Full Season	Double Crop	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	
		Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	
Asgrow	AG48X7	80.0	80.5	72.6	77.6 *	79.5 *	80.3 *	73.4	91.5 *	67.7	77.4 *	
UniSouth Genetics	USG74K95RS	79.2	80.2	76.3	86.2 *	72.3 *	82.1 *	72.4	88.0 *	78.5 *	74.2 *	
Asgrow	AG48X9	78.5	78.9	75.4	75.2 *	76.0 *	78.3 *	80.7 *	84.2 *	74.3 *	76.6 *	
Dyna-Gro	S48XT56	78.1	76.6	79.2	77.4 *	68.4	74.1	83.7 *	79.4	73.1 *	85.4 *	
Mid-Atlantic Seed	MAS4688NRR2/STS/X	78.0	79.9	69.4	83.2 *	80.2 *	80.0 *	75.2 *	81.1	70.4	68.4	
Doebler's	DB49R9	77.7	77.7	72.3	82.1 *	72.0 *	81.3 *	71.6	81.3	66.6	78.0 *	
Dyna-Gro	S46XS87	76.8	77.7	72.8	78.5 *	72.4 *	82.0 *	71.8	83.6 *	72.7 *	72.8	
Asgrow	AG46X6	76.8	77.1	71.5	82.3 *	71.6 *	80.7 *	68.1	82.8 *	67.6	75.5 *	
Dyna-Gro	S49XS76	76.7	76.2	74.8	81.0 *	69.5	76.8 *	72.0	81.7 *	70.1	79.4 *	
UniSouth Genetics	USG7496XTS	76.3	76.5	76.8	81.8 *	70.7	78.2 *	71.6	80.0	78.1 *	75.5 *	
Doebler's	DB4817X	74.8	75.1	76.8	72.9	64.1	79.3 *	76.5 *	82.7 *	80.4 *	73.1	
University of Missouri	S14-9051R	74.4	74.4	74.9	76.4	74.9	74.9	73.4	83.2 *	75.4 *	74.4 *	
Dyna-Gro	S48XS78	74.4	75.7	72.3	79.1 *	66.9	76.0 *	76.2 *	80.5	76.7 *	68.0	
NK Brand	S45-K5X	74.3	75.1	74.0	79.4 *	67.6	79.9 *	73.7	74.9	77.4 *	70.6	
Doebler's	DB45BR9	73.8	74.1	72.0	78.2 *	67.0	73.4	76.6 *	75.2	71.5 *	72.4	
University of Missouri	S14-15138R	71.9	72.6	73.1	69.6	62.5	72.7	80.4 *	77.9	77.9 *	68.3	
Virginia Tech	V13-0116	71.3	71.4	70.1	68.7	68.5	68.0	75.2 *	76.7	69.6	70.6	
University of Missouri	S14-15146R	69.8	70.7	68.2	70.3	60.0	71.8	70.8	80.4	70.8	65.6	
Virginia Tech	V13-0113	67.0	65.3	72.1	63.8	63.0	61.6	70.7	67.3	68.4	75.7 *	
Mean		75.3	75.6	73.4	77.0	69.3	76.4	74.4	80.7	73.0	73.8	
CV					10.5%	11.3%	8.4%	11.7%	10.7%	11.8%	14.0%	
LSD ₁₀					9.7	9.6	6.2	13.3	8.5	12.7	15.6	

Table 1 Continued

Group 5

Brand	Variety	State Average			Full Season				Full Season + Sprays		Double Crop	
		All	Full Season	Double Crop	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	
		Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	
Mid-Atlantic Seed	MAS5034NRR2/STS/X	76.9	76.2	78.6	-	-	77.3 *	75.0 *	76.1 *	78.3 *	79.0 *	
University of Missouri	S14-9017R	75.2	76.1	76.9	-	-	77.3 *	73.6 *	77.4 *	81.3 *	72.5 *	
NK Brand	S52-Y7X	74.9	76.0	68.5	-	-	77.4 *	72.5 *	78.0 *	65.2	71.8 *	
Virginia Tech	V11-3485	69.4	69.7	71.5	-	-	68.0	70.9 *	70.1	74.5 *	68.6	
Mean		74.1	74.5	73.9	-	-	75.0	73.0	75.4	74.8	73.0	
CV					-	-	6.9%	19.1%	6.7%	11.8%	12.7%	
LSD ₁₀					-	-	3.4	22.9	6.1	10.8	15.2	

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

† Severe lodging impeded accurate yield measurements.

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