

Table 1. 2017 University of Maryland State Soybean Variety Trials Summary

Group 3		State Average			Full Season					Double Crop		
		All	Full Season	Double Crop	Clarksville	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Green Stem	Yield	Yield	Yield	Yield	Yield	
Brand	Variety	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac†	(0-5)	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac
Pioneer	39T67R	62.5	68.1	56.9	62.5	0	61.3 *	65.6 *	83.0 *	48.1	65.6 *	
Asgrow	AG37X8	60.2	61.9	58.6	61.5	0	61.8 *	57.1	67.0	55.8	61.4	
Asgrow	AG38X6	63.7	63.7	63.8	66.2	0	56.5	59.0	73.0	63.5	64.1	
Asgrow	AG38X8	65.1	67.3	63.0	70.9 *	0	60.7 *	60.5	77.2	58.3	67.6 *	
Asgrow	AG39X7	62.1	61.9	62.3	55.5	0	64.9 *	64.7 *	62.6	54.2	70.3 *	
Armor	ARX3907	63.4	63.5	63.3	61.5	3	55.3	65.7 *	71.3	60.9	65.6 *	
Mid-Atlantic Seed	MAS3516	63.5	58.7	68.2	61.8	0	54.4	57.3	61.5	72.1 *	64.4	
Mid-Atlantic Seed	MAS3674	67.9	70.5	65.4	73.1 *	0	65.3 *	71.0 *	72.5	64.3	66.5 *	
Mid-Atlantic Seed	MAS3817	63.9	62.0	65.9	66.1	0	49.5	62.2	70.3	65.0	66.7 *	
Pioneer	P33T19X	61.1	62.8	59.4	66.2	0	46.2	64.9 *	74.0	53.1	65.8 *	
Pioneer	P37T51PR	63.9	68.5	59.4	67.8 *	0	56.0	61.8	88.1 *	52.8	66.0 *	
Doebblers	RPM39X8	62.9	64.8	61.1	63.6	0	54.4	65.3 *	75.7	57.7	64.4	
Doebblers	RPMD83517R	62.0	64.0	59.9	66.4 *	0	46.2	68.1 *	75.2	52.9	66.9 *	
NK Brand	S39-P5X	63.9	66.3	61.5	56.9	0	60.1 *	68.5 *	79.8	57.2	65.8 *	
Dyna-Gro	S39XT08	69.2	68.3	70.1	66.9 *	0	60.7 *	69.0 *	76.7	72.8 *	67.4 *	
Dyna-Gro	S39XT08	62.5	62.4	62.5	60.6	0	56.7	65.9 *	66.5	59.6	65.4	
TA Seed	TA3959R25	63.5	63.5	63.4	68.7 *	0	54.9	57.1	73.3	60.9	66.0 *	
Unisouth Genetics	USG73P93R	64.8	68.6	61.1	66.5 *	0	65.3 *	65.7 *	77.0	58.9	63.3	
	Mean	63.7	64.8	62.5	64.6		57.2	63.9	73.6	59.3	65.7	
	CV	10.8%					13.0%	9.0%	10.4%	12.7%	5.30%	
	LSD <sub>10</sub>	6.7					7.5	6.3	6.1	7.0	4.7	

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

Group 4 Early		State Average			Full Season					Double Crop		
		All	Full Season	Double Crop	Clarksville	Clarksville	Keedysville	Queenstown	Quantico	Queenstown	Quantico	
		Yield	Yield	Yield	Yield	Green Stem	Yield	Yield	Yield	Yield	Yield	
Brand	Variety	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac†	(0-5)	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac	Bu/Ac
Armor Seed	44D51	69.1	72.4	65.8	62.9	2	64.7	79.5 *	82.6	60.5	71.1 *	
Asgrow	AG4135	64.3	70.8	57.7	72.0 *	1	58.7	79.7 *	73.0	57.7	57.6	
Asgrow	AG41X8	61.7	68.7	54.8	66.9	4	64.0	74.1	69.7	52.3	57.2	
Asgrow	AG43X7	66.6	69.0	64.2	55.8	3	64.5	70.2	85.7 *	58.8	69.7 *	
Asgrow	AG43X8	69.3	73.8	64.7	61.4	3	72.9 *	77.7	83.3 *	66.1 *	63.3	
Asgrow	AG44X6	68.9	71.1	66.8	65.0	2	59.5	78.9 *	80.9	67.6 *	66.0	
Armor	ARX4207	68.3	72.1	64.6	70.5 *	3	64.0	71.3	82.5	63.5	65.7	
Armor	ARX4407	64.2	69.2	59.3	61.7	2	68.8 *	72.5	73.9	59.0	59.5	
Bayer	C24181RY	63.1	67.2	59.0	63.5	4	55.8	71.8	77.9	55.0	63.1	
Hubner Seed	H42-13R2	66.4	71.8	61.0	67.2 *	2	69.0 *	70.2	80.8	57.6	64.5	
Hi-Soy	HS43X70	68.1	73.4	62.8	70.8 *	2	65.8 *	79.6 *	77.6	58.1	67.6	
Hi-Soy	HS44T60	64.3	70.0	58.7	57.8	1	61.7	75.5	84.9 *	49.7	67.6	
Mid-Atlantic Seed	MAS4355	63.7	67.9	59.4	67.1 *	1	64.8	62.8	77.0	53.3	65.4	
Maryland Crop Improvement	MDEXP84301	57.3	63.2	51.4	55.0	2	53.1	68.6	76.1	50.1	52.6	
Pioneer	P40T84X	65.1	70.1	60.0	70.0 *	2	58.5	73.3	78.8	52.6	67.4	
Pioneer	P41T65PR	59.6	64.1	55.1	63.2	5	54.9	65.7	72.8	50.9	59.4	
Pioneer	P42T71PR	63.3	68.2	58.3	61.9	4	57.3	73.0	80.5	55.4	61.3	
Doebblers	RPM42X8	64.0	69.9	58.1	64.9	2	63.7	73.8	77.0	50.7	65.4	
Dyna-Gro	S43RY95	67.8	71.4	64.1	66.9	2	61.9	74.4	82.6	64.1	64.1	
NK Brand	S43-V3X	69.0	76.6	61.5	70.2 *	2	69.2 *	78.0	88.9 *	58.0	65.0	
Dyna-Gro	S43XS27	73.9	75.6	72.2	68.8 *	4	65.8 *	79.5 *	88.1 *	70.2 *	74.2 *	
Unisouth Genetics	USG7427XTS	60.8	61.2	60.4	59.3	3	51.0	63.6	70.8	59.7	61.0	
Unisouth Genetics	USG7447XTS	71.5	77.3	65.8	77.5 *	1	62.3	85.0 *	84.3 *	62.3	69.3 *	
	Mean	65.7	70.2	61.1	62.2		62.3	73.5	79.5	58.0	64.3	
	CV	12.90%					12.20%	8.9%	8.0%	11.7%	9.5%	
	LSD <sub>10</sub>	10.4					7.8	6.2	5.9	6.2	5.4	

Table 1. continued

Group 4 Late		State Average			Full Season					Double Crop	
		All	Full Season	Double Crop	Clarksville	Clarksville Green Stem	Keedysville	Queenstown	Quantico	Queenstown	Quantico
Brand	Variety	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	(0-5)	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac‡	Yield Bu/Ac	Yield Bu/Ac
Armor Seed	46D08	67.9	70.1	65.6	65.8	1	68.1 *	69.9	76.7	58.7	72.5
Asgrow	AG45X6	67.8	69.6	65.9	58.6	2	62.1	82.7 *	75.1	61.2	70.6
Asgrow	AG46X6	72.7	77.5	67.9	71.8 *	3	65.4 *	81.2 *	91.4 *	64.2 *	71.5
Asgrow	AG46X8	71.7	78.1	65.3	71.0 *	2	70.0 *	76.1 *	95.3 *	66.6 *	64.0
Asgrow	AG47X6	66.2	69.1	63.2	65.3	2	56.0	75.0 *	80.0	56.5	70.0
Asgrow	AG4835	69.8	72.7	66.8	72.0 *	3	67.1 *	76.2 *	75.7	59.4	74.2
Asgrow	AG48X7	68.3	70.2	66.3	68.0	2	67.1 *	73.0	72.6	61.1	71.5
Armor Seed	ARX4607	71.0	73.2	68.9	68.2	1	59.6	75.9 *	89.0 *	67.4 *	70.4
Bayer	CZ4590RY	65.6	73.7	57.4	66.8	2	70.4 *	71.2	86.6 *	52.9	61.9
Hubner Seed	H48-13R2/STS	70.4	71.8	69.0	71.8 *	3	66.0 *	68.2	80.9	66.0 *	72.1
Hi-Soy	HS46X60	66.1	67.3	64.9	71.3 *	2	50.7	71.9	75.3	61.7	68.0
Hi-Soy	HS48X70	69.0	71.6	66.4	65.4	2	71.9 *	75.4 *	73.7	62.2	70.6
Maryland Crop Improvement	MD4901DGT	57.4	55.5	59.4	53.3	2	38.5	63.3	66.8	59.6	59.1
Doebler's	RPM45R8	67.1	71.6	62.7	65.6	2	61.8	71.1	87.7 *	59.2	66.2
Doebler's	RPM48R8	77.4	79.2	75.7	80.6 *	2	68.1 *	76.9 *	91.1 *	69.6 *	81.7 *
Univeristy of Missouri	S14-15146R	58.8	60.7	56.8	60.2	2	52.8	61.5	68.2	53.6	60.0
Univeristy of Missouri	S14-9051R	62.4	63.9	60.8	66.6	2	53.1	65.2	70.8	52.2	69.4
NK Brand	S45-K5X	66.0	69.8	62.2	65.5	2	56.5	75.4 *	81.9	55.6	68.8
Dyna-Gro	S46XS78	67.8	71.0	64.7	64.4	3	62.7 *	78.5 *	78.2	56.9	72.6
Dyna-Gro	S48XS78	65.8	68.5	63.1	65.2	2	60.4	67.7	80.7	57.6	68.5
Dyna-Gro	S48XT56	68.5	73.8	63.1	64.9	2	65.7 *	81.0 *	83.8	56.4	69.7
Dyna-Gro	S49XS76	66.4	71.6	61.3	74.8 *	3	60.0	69.9	81.6	52.8	69.8
Dyna-Gro	USG7458XT	64.3	67.0	61.6	58.9	2	62.3 *	73.5	73.3	55.8	67.4
Unisouth Genetics	USG7478GT	65.1	68.4	61.9	62.2	2	65.1 *	70.5	75.6	58.7	65.0
Unisouth Genetics	USG7478XTS	65.7	69.0	62.5	62.8	2	59.7	75.7 *	77.8	59.6	65.3
Unisouth Genetics	USG7496XTS	65.6	70.2	60.9	72.1 *	2	61.5	66.6	80.7	50.4	71.4
Unisouth Genetics	USG74K95T	68.9	68.7	69.2	73.8 *	1	54.0	76.3 *	70.5	63.3	75.1
	Mean	67.1	70.1	64.1	66.9		62.3	73.0	79.3	59.2	69.2
	CV				12.7%		13.7%	9.9%	11.9%	10.0%	8.3%
	LSD <sub>10</sub>				9.8		9.6	8.0	9.9	5.6	4.1

Group 5										
Bayer	CZ5375RY	56.1	56.2	56.0			56.2	‡	49.3 *	54.9
Doebler's	RPM50X8	61.7	58.8	64.5			58.8		46.6	63.8 *
Univeristy of Missouri	S14-9017R	70.9	75.0	66.8			75.0 *		54.8 *	64.9 *
NK Brand	S52-Y7X	66.4	69.4	63.3			69.4 *		49.6 *	59.8 *
	Mean	63.8	64.9	62.6			64.9		64.4	59.2
	CV						16.9%		7.8%	10.2%
	LSD <sub>10</sub>						8.5		6.3	5.3

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.**



Table 1. 2 and 3 Year Averages

Brand	Variety	Mat	2 Year State Average			3 Year State Average		
			All	Full Season	Double Crop	All	Full Season	Double Crop
			Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac
Mid-Atlantic Seed	MAS3674	3	67.1	71.6	59.4	-	-	-
Pioneer	39T67R	3	62.1	68.7	51.7	-	-	-
UniSouth Genetics	USG73P93R	3	63.2	67.3	57.1	-	-	-
Doebler	RPM® DB3517RTM	3	61.4	65.2	54.7	-	-	-
Mid-Atlantic Seed	MAS3516	3	62.0	62.4	59.0	60.1	58.3	60.2
Hubner	H42-13R2	4E	66.2	71.4	58.7	65.2	69.4	59.3
Dyna-Gro	S43XS27	4E	69.5	72.5	64.4	-	-	-
UniSouth Genetics	USG7427XTS	4E	62.3	62.8	61.6	-	-	-
Credeuz	CZ 4181 RY	4E	63.4	67.8	56.5	-	-	-
Mid-Atlantic Seed	MAS4355	4E	63.6	68.1	56.9	62.9	66.9	57.3
UniSouth Genetics	USG7447XTS	4E	67.4	71.1	63.0	-	-	-
Hi-soy	HS4T60	4E	63.7	67.8	58.5	-	-	-
Asgrow	AG4135	4E	63.2	67.8	57.4	-	-	-
Asgrow	AG44X6	4E	65.3	67.3	62.2	-	-	-
Asgrow	AG4835	4L	67.7	71.7	61.4	-	-	-
UniSouth Genetics	USG7496XTS	4L	65.4	70.4	57.7	-	-	-
Dyna-Gro	S49XS76	4L	65.7	69.9	59.9	-	-	-
Dyna-Gro	S46XS87	4L	66.2	69.5	61.2	-	-	-
Hi-soy	HS46X60	4L	65.2	68.2	59.8	-	-	-
Dyna-Gro	S48XT56	4L	66.3	70.7	60.2	-	-	-
Hubner	H48-13R2/STS	4L	66.7	69.7	61.4	68.2	70.7	64.1
UniSouth Genetics	USG74K95RS	4L	65.7	65.9	65.1	-	-	-
Asgrow	AG47X6	4L	64.2	68.3	57.4	-	-	-
Credeuz	CZ 4590 RY	4L	61.9	66.6	56.7	-	-	-
Credeuz	CZ 5375 RY	5	53.3	55.1	51.4	-	-	-

We gratefully acknowledge the assistance and experience of the personnel of the University of Maryland Research and Education Centers.

