

2016 University of Maryland State Soybean Variety Trials Factsheet

Group 3

Brand	Variety	State Average			Full Season				Double Crop	
		All	Full Season	Double Crop	Keedysville	Clarksville	Queenstown	Quantico	Queenstown	Quantico
		Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac†	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac
Mid-Atlantic Seed	MAS3674RR2/EX	66.3	72.8	53.4	81.6 *	80.9 *	69.5	59.1 *	59.9 *	46.9 *
Southern States	SS 3914NS R2	63.5	70.3	49.8	77.9	69.2	77.3 *	56.9 *	52.2	47.4 *
Southern States	SS 3916NS X	63.0	68.2	52.7	87.2 *	73.5	57.1	54.8 *	58.4 *	47.1 *
Hi-soy	HS 39T60	62.8	69.3	49.9	86.4 *	75.2 *	67.9	47.8	51.6	48.3 *
Terral Seed	TS3966R2XS	62.5	65.8	55.9	75.8	79.3 *	54.0	53.9 *	61.5 *	50.3 *
Syngenta	S38-W4	61.8	65.8	53.9	76.3	72.7	62.9	51.5 *	59.1 *	48.6 *
Pioneer	P39T67R	61.7	69.2	46.6	84.7 *	75.7 *	61.5	55.1 *	49.4	43.9
UniSouth Genetics	73P93R	61.6	65.9	53.1	69.2	81.6 *	59.6	53.3 *	56.6 *	49.6 *
Hubner	H37-14R2/STS	61.6	66.6	51.7	79.6 *	62.5	66.6	57.7 *	55.6	47.8 *
Mid-Atlantic Seed	MAS3855RR2/STS/EX	61.5	64.8	54.9	72.1	71.5	57.8	57.9 *	61.2 *	48.7 *
Asgrow	AG36X6 MP55AV11	61.3	66.7	50.5	82.2 *	67.0	58.2	59.3 *	51.6	49.4 *
Mid-Atlantic Seed	MA3815NRR2	61.3	65.9	51.9	79.1 *	65.7	65.7	53.3 *	52.6	51.2 *
Dyna-Gro	S39RY65	61.2	66.7	50.4	81.7 *	62.5	67.7	54.6 *	54.5	46.3 *
Dyna-Gro	S38RY87	61.0	65.2	52.5	72.0	69.6	67.6	51.8 *	55.3	49.7 *
Seedway	SG3644	60.9	66.0	50.8	75.5	79.2 *	60.5	48.9	55.6	46.0 *
Terral Seed	TS3759R2	60.8	66.1	50.3	72.0	77.1 *	59.7	55.6 *	51.7	48.9 *
Doebler	RPM® DB3517R™	60.8	66.4	49.5	71.9	66.0	68.3	59.6 *	50.7	48.3 *
Mid-Atlantic Seed	MA3516nRR2	60.6	66.0	49.8	78.2	70.3	59.9	55.7 *	51.6	47.9 *
Dyna-Gro	S38XS46	60.4	66.7	47.7	79.1 *	70.2	66.5	50.9	49.1	46.3 *
Syngenta	S39-C4	60.2	63.2	54.2	78.9 *	75.6 *	50.4	47.8	58.9 *	49.5 *
Bayer	CZ 3991 RY	59.8	65.5	48.2	74.5	69.4	61.5	56.7 *	49.7	46.8 *
Doebler	RPM® DB3817R™	59.7	65.0	49.1	80.5 *	67.2	61.2	51.0	52.8	45.4
Hubner	H35-16R2	59.0	65.0	47.1	80.7 *	60.4	61.2	57.7 *	46.5	47.6 *
Hi-soy	HS 39X50	58.9	62.2	52.1	76.4	61.8	56.9	53.8 *	54.4	49.9 *
Mid-Atlantic Seed	MAS3465RR2/EX	58.4	63.5	48.0	71.1	75.3 *	57.5	50.2	53.4	42.7
Asgrow	AG3832 WN5SLY19	57.9	62.7	48.3	68.1	66.2	64.4	52.3 *	45.4	51.2 *
Bayer	CZ 3560R Y	57.8	63.8	45.9	74.7	67.9	61.7	50.9	50.3	41.6
Bayer	CZ 3383 RY	56.4	61.4	46.3	70.4	64.0	62.8	48.6	44.8	47.8 *
	Mean	60.8	66.0	50.5	77.1	70.6	62.35	53.8	53.4	47.7
	CV	8.57%			10.6%	10.8%	11.5%	10.8%	8.3%	
	LSD ₁₀	8.9			7.0	6.4	8.1	5.6	5.2	

†All yields and test weights are reported at a 13% moisture content, yields followed by an asterisk " * " are not significantly different from leading line.



Group 4 Early

Brand	Variety	State Average			Full Season				Double Crop	
		All	Full Season	Double Cropped	Keedysville	Clarksville	Queenstown	Quantico	Queenstown	Quantico
		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
Hubner	H42-13R2	66.1	70.9	56.4	75.1 *	85.1 *	68.4 *	54.9	54.6	58.2 *
Dyna-Gro	S43XS27	65.2	69.5	56.6	80.3 *	69.2	68.1 *	60.4 *	57.8	55.5 *
UniSouth Genetics	7427XTS	63.9	64.4	62.9	71.2	68.8	67.0 *	50.7	67.4 *	58.4 *
Dyna-Gro	S43RY9S	63.8	70.0	51.3	82.6 *	73.2	72.6 *	51.6	54.3	48.3
Bayer	CZ 4181 RY	63.7	68.4	54.1	78.2 *	76.3	61.1	58.1 *	57.9	50.3
Mid-Atlantic Seed	MAS4355NRR2/STS	63.6	68.2	54.5	76.9 *	79.1 *	67.8 *	49.0	54.4	54.6 *
UniSouth Genetics	7447XTS	63.4	64.9	60.2	75.5 *	71.1	54.3	58.8 *	65.9 *	54.5 *
Hi-soy	HS 44T60	63.1	65.5	58.3	70.0	72.7	65.6 *	54.0	63.1 *	53.5 *
UniSouth Genetics	74F24RS	62.6	64.9	57.9	73.8	68.9	63.7	53.3	62.4 *	53.5 *
UniSouth Genetics	7426XTS	62.3	62.7	61.5	65.7	71.1	63.6	50.4	66.6 *	56.4 *
Asgrow	AG4135 CE5SFG33	62.2	64.8	57.1	69.7	64.6	67.4 *	57.4 *	58.2	55.9 *
Dyna-Gro	S42RY77	61.8	65.8	53.8	82.7 *	70.2	57.1	53.1	53.8	53.7 *
Asgrow	AG44X6 CE5SFF21	61.6	63.6	57.6	72.6	66.0	62.8	52.9	59.1	56.1 *
Southern States	SS 4417NS X	61.4	63.1	58.0	71.2	63.9	55.9	61.5 *	61.3 *	54.6 *
Southern States	SS 4215NS R2	61.1	64.2	55.0	71.5	72.2	64.3 *	48.9	58.6	51.4
Terral Seed	TS4279R2XS	60.6	61.4	58.9	69.2	61.5	60.9	54.0	64.0 *	53.9 *
Mid-Atlantic Seed	MAS4416RR2/STS/EX	60.2	62.3	56.0	71.0	66.0	53.8	58.2 *	55.9	56.0 *
Syngenta	S42-P6	60.1	63.0	54.1	72.7	70.4	58.8	50.2	58.5	49.7
UniSouth Genetics	74B42R	59.8	62.7	54.0	68.8	68.4	62.6	51.1	54.2	53.8 *
Syngenta	S42-G5	59.3	59.5	58.9	68.0	76.6	45.3	48.3	64.7 *	53.1 *
	Mean	62.3	65.0	56.8	73.3	70.8	62.1	53.8	59.6	54.1
	CV	9.90%	9.90%		9.90%	9.90%	13.40%	9.2%	10.0%	8.0%
	LSD ₁₀	9.4	6.6		8.7	5.1		6.6	5.3	

Group 4 Late

Brand	Variety	State Average			Full Season				Double Crop	
		All	Full Season	Double Cropped	Keedysville	Clarksville	Queenstown	Quantico	Queenstown	Quantico
		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
Bayer	CZ 4898R Y	65.7	69.5	58.2	83.5 *	75.1 *	64.4 *	55.0 *	61.4	55.0 *
Asgrow	AG4835 MAS5HJ6HU1	65.7	70.6	55.9	85.2 *	80.2 *	62.8 *	54.3 *	60.9	51.0
Syngenta	S47-K5	65.4	68.7	59.0	84.3 *	66.7 *	69.8 *	53.8 *	59.5	58.5 *
UniSouth Genetics	7496XTS	65.2	70.6	54.6	82.8 *	78.2 *	69.2 *	52.1	58.7	50.4
Dyna-Gro	S49XS76	65.0	68.3	58.4	79.1 *	78.1 *	66.6 *	49.4	64.6 *	52.3
Dyna-Gro	S46XS87	64.6	68.0	57.6	75.6	72.6	72.1 *	51.8	64.5 *	50.8
Southern States	SS 4514N R2	64.5	67.9	57.7	72.9	77.8 *	65.8 *	55.2 *	60.7	54.7 *
Pioneer	P46T21R	64.3	66.4	60.1	85.2 *	70.9	61.3 *	48.3	68.1 *	52.1
Hi-soy	HS46X60	64.3	69.1	54.7	83.3 *	65.3	71.2 *	56.5 *	60.5	48.8
Dyna-Gro	S48XT56	64.2	67.6	57.3	78.2 *	69.0	66.1 *	57.0 *	59.8	54.8 *
UniSouth Genetics	7477XTS	63.9	67.6	56.4	76.0	71.4	67.0 *	56.0 *	64.0 *	48.8
Pioneer	P45T48R	63.7	67.2	56.7	76.0	70.1	66.0 *	56.8 *	60.6	52.8 *
Mid-Atlantic Seed	MAS4535RR2/STS/EX	63.4	66.3	57.6	76.1	75.0 *	60.6	53.3 *	61.1	54.0 *
Syngenta	S45-W9	63.2	65.0	59.6	73.3	70.8	65.1 *	50.7	66.2 *	53.0 *
Doebblers	RPM®DB4715RR™	63.2	66.5	56.6	86.9 *	67.9	60.1	51.1	63.3 *	49.9
Hi-soy	H 48-13R2/STS	63.0	67.7	53.7	82.8 *	71.8	64.1 *	52.1	59.4	48.0
Syngenta	S45-R7	62.8	65.8	56.7	74.9	71.8	67.6 *	48.8	61.9	51.5
UniSouth Genetics	74K9SRS	62.5	63.2	61.0	75.6	61.1	63.8 *	52.4	70.2 *	51.8
Hi-soy	H47-16R2X	62.4	67.2	52.7	80.0 *	67.4	68.2 *	53.2	54.9	50.4
Asgrow	AG47X6 MASS59A11	62.2	67.5	51.6	84.7 *	69.2	67.2 *	49.0	60.0	43.1
Pioneer	P46RY8S	62.0	64.5	56.9	76.8 *	71.0	60.3	50.0	62.6	51.2
Bayer	CZ 4656 RY	61.7	64.9	55.2	78.6 *	60.3	68.7 *	52.0	60.6	49.9
Dyna-Gro	S48RS53	61.7	64.7	55.6	80.8 *	56.4	69.4 *	52.1	60.0	51.3
Bayer	CZ 4959 RY	61.6	66.6	51.7	96.6 *	63.4	56.5	50.0	53.3	50.0
Dyna-Gro	31RY45	61.6	64.9	55.0	73.6	65.4	61.6 *	59.0 *	60.1	49.9
Bayer	CZ 4590 RY	58.3	59.5	56.0	70.1	64.1	56.5	47.2	54.1	57.8 *
	Mean	63.3	66.8	56.4	79.9	69.6	64.4	52.6	61.2	51.6
	CV	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1
	LSD ₁₀	10.0	7.0		11.0	5.7		7.1	5.9	

Group 5									
UniSouth Genetics	7506XTS	52.8	56.2	49.5	60.8 *	51.6 *	49.6 *	49.3	
Bayer	CZ 5375 RY	50.5	54.0	46.9	59.8 *	48.3	47.2	46.6	
Doebler	DBS416R	51.7	52.4	51.0	57.5 *	47.4	47.2	54.8 *	
Virginia Tech	V11-3485	50.2	50.2	50.2	53.6 *	46.8	50.8 *	49.6	
Virginia Tech	V12-0045R2	53.4	54.0	52.8	56.6 *	51.5 *	52.7 *	52.8 *	
Mean		51.7	53.4	50.1	57.7	49.1	49.5	50.6	
					CV	10.2%	5.6%	5.7%	7.6%
					LSD ₁₀	7.5	2.4	4.9	3.7

†All yields and test weights are reported at a 13% moisture content, yields followed by an asterisk " * " are not significantly different from leading line.

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