

TABLE 2. 2023 MICHIGAN SOUTH CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	Herb Tech	TMT <sup>1</sup>	Phyto RES	SCN	YIELD (BU/AC)										
							2023 AVG	22-23 AVG	21-23 AVG	2023 AVERAGE							
										Hillsdale	Ingham	Lenawee	St. Joseph	Height	Lodging	Protein	Oil
DF Seeds	DF 155 F	2.5	Conv	DFender			53.8	55.3	59.6	44.5	57.0	54.9	58.6	35	2.8	38.9	21.4
DF Seeds	DF 204 N	2.0	Conv	DFender			54.0			45.8	56.0	55.1	59.0	35	2.3	37.3	21.9
DF Seeds	DF 214 N	2.1	Conv	DFender			57.9			42.4	59.9	64.9	64.5	35	2.4	38.6	22.1
DF Seeds	DF 224 N	2.2	Conv	DFender			45.9			40.5	44.2	50.8	48.2	34	3.3	35.7	22.1
DF Seeds	DF 231 N	2.3	Conv	DFender			57.8	61.4	67.0	52.0	55.6	64.2	59.4	35	2.4	37.5	21.9
DF Seeds	DF 234 N	2.3	Conv	DFender			58.8			49.2	54.9	67.6	63.8	37	2.1	39.5	21.5
DF Seeds	DF 260 N	2.6	Conv	DFender			57.7	64.1	68.8	53.1	50.3	66.4	61.0	35	2.9	40.5	21.1
DF Seeds	DF 262 N F	2.6	Conv	DFender			47.6	52.4	55.8	43.9	40.8	50.0	55.7	34	3.3	43.0	19.4
DF Seeds	DF 282 N	2.8	Conv	DFender			60.3			50.6	50.7	74.6	65.4	36	2.8	36.2	21.9
Growmark	HS 15C00	1.5	Conv	ACL,Sa	1k	R	54.9	54.9	54.9	45.5	58.8	54.0	61.2	34	2.8	38.4	21.4
Growmark	HS 19C20	1.9	Conv	ACL,Sa	1k	R	55.8			37.2	58.7	59.2	*68.2	33	2.3	37.7	22.0
Growmark	HS 28C20	2.8	Conv	ACL,Sa	1c	R	*61.5	66.3		47.5	58.2	*78.3	61.9	37	2.8	38.7	21.1
MSU	E12076T-03	2.2	Conv	DFender		R	53.8	59.5	63.2	38.5	60.9	62.3	53.7	34	2.8	36.8	21.4
MSU	E13268	1.7	Conv	DFender	1c		57.1	58.3	63.1	42.1	*61.1	62.3	62.9	34	3.3	38.5	21.9
MSU	E14077	2.4	Conv	DFender	1k	R	57.8	60.7	64.9	48.4	54.7	68.5	59.5	37	2.8	38.4	22.0
MSU	E15339	2.4	Conv	DFender		R	57.8			50.9	58.4	60.6	61.5	36	3.6	36.7	22.3
MSU	E15345	2.7	Conv	DFender		R	57.2	62.2	66.1	51.5	53.8	67.3	56.3	38	3.8	37.5	21.5
MSU	E15351	2.2	Conv	DFender	1c	MR	58.1	61.3	66.7	44.8	58.6	70.4	58.5	36	3.3	39.1	20.7
MSU	E17203	2.4	Conv	DFender		HR	52.9	59.2	64.0	47.7	50.8	61.5	51.6	35	3.2	38.8	21.2
MSU	E17283	2.9	Conv	DFender	1k	R	61.2			50.3	57.3	73.9	63.2	37	2.7	39.3	20.1
MSU	E18331-34HO	2.9	Conv	DFender			48.6			33.5	48.8	61.9	50.2	35	2.7	39.4	20.8
MSU	E18610T	2.4	Conv	DFender			51.4			51.4	46.0	58.2	50.0	36	3.4	38.4	21.2
MSU	E18638T	1.8	Conv	DFender		MR	54.3	59.8	64.4	49.1	52.9	54.9	60.3	36	3.1	37.7	21.5
MSU	E19288T	2.3	Conv	DFender			47.5			45.4	36.0	54.1	54.4	36	3.3	38.1	21.7
MSU	E19307T	2.4	Conv	DFender		R	48.9	54.6		48.8	41.2	53.3	52.4	38	3.3	40.4	20.1
MSU	E19314T	1.6	Conv	DFender	1k,3a	R	54.5	57.2	59.3	43.1	51.8	61.7	61.6	35	3.0	41.4	19.9
MSU	E19412	2.4	Conv	DFender		R	54.0	59.7	63.0	50.1	51.5	58.9	55.5	38	3.1	37.5	21.5
MSU	E20026	2.0	Conv	DFender			58.3			50.1	56.9	63.6	62.6	37	3.4	36.9	22.2
MSU	E20078	1.7	Conv	DFender	1a	R	56.6	60.0		49.1	59.9	57.4	60.2	42	3.2	38.6	21.3
MSU	E20099	1.8	Conv	DFender			49.1			46.4	50.9	50.1	49.2	36	3.3	37.7	22.4
MSU	E20195HO	2.1	Conv	DFender			47.3			44.6	48.1	50.0	46.6	35	2.8	38.8	21.7
MSU	E20329	2.5	Conv	DFender	1k	R	52.0	58.5		52.7	45.1	62.3	47.7	36	3.3	37.3	22.0
MSU	E20333	2.6	Conv	DFender			54.0			51.0	49.8	64.2	51.2	39	3.3	38.1	21.7
MSU	E20351	2.6	Conv	DFender		R	58.3	61.8		50.6	55.0	65.5	61.9	37	3.3	37.3	21.8
MSU	E20352	2.3	Conv	DFender		R	55.5			50.0	56.1	63.0	53.1	42	3.8	36.7	22.3
MSU	E20355	2.9	Conv	DFender		R	59.3	62.2		51.1	57.2	65.5	63.5	38	3.1	35.8	21.7
MSU	E21058	2.3	Conv	DFender		R	56.2			45.5	58.5	60.2	60.6	37	3.2	37.0	21.9
MSU	E21062T	2.4	Conv	DFender		R	58.6			47.7	56.9	65.2	64.4	35	2.8	40.0	21.6
MSU	E21088	2.9	Conv	DFender		R	54.9			50.0	48.5	61.4	59.7	38	3.0	37.2	21.9
MSU	E21100	1.8	Conv	DFender		R	53.0			37.7	46.3	63.8	64.1	35	2.3	34.2	22.7
MSU	E21107	2.9	Conv	DFender		R	59.0			51.3	55.2	70.1	59.4	37	3.3	37.4	21.2
MSU	E21109	2.5	Conv	DFender		R	55.2			48.6	51.4	65.9	55.0	38	2.9	37.9	20.9
MSU	E21116	2.3	Conv	DFender		R	57.0			50.2	53.9	65.8	58.1	38	3.0	37.1	22.6
MSU	E21118	2.9	Conv	DFender		R	54.2			53.1	46.2	60.9	56.4	36	2.4	37.0	21.7
MSU	E21125	2.3	Conv	DFender		R	56.6			55.9	54.2	53.5	62.8	38	3.3	38.2	21.0
MSU	E21127	2.3	Conv	DFender		R	54.8			48.0	55.7	54.4	61.3	38	3.1	39.1	20.9
MSU	E21139LF	2.5	Conv	DFender			48.2			42.1	42.0	56.2	52.7	38	2.9	42.6	19.4
MSU	E21327	2.7	Conv	DFender		R	53.6			48.6	52.0	63.5	50.3	40	3.4	37.9	21.6
MSU	E21345	2.2	Conv	DFender		R	58.0			*56.6	57.3	53.5	64.6	38	3.1	39.0	20.8
New Age Seeds	NA2700	2.7	Conv		1c	R	53.6			47.3	47.7	61.6	57.9	37	2.5	40.1	20.6
Southwest	AAC Big Ben	2.9	Conv	Vib		R	^			42.0	^	58.6	53.6	40	2.2	37.5	21.2
Star of the West	Nature's Genetics 1926	2.4	Conv			S	51.4			41.7	48.4	55.3	60.2	36	3.0	39.5	21.4

BRAND	VARIETY	Maturity Group	Herb Tech	TMT <sup>1</sup>	Phyto RES	SCN	YIELD (BU/AC)													
							2023 AVERAGE													
							2023 AVG	22-23 AVG	21-23 AVG	Hillsdale	Ingham	Lenawee	St. Joseph	Height	Lodging	Protein	Oil			
Star of the West	Nature's Genetics 9430	2.2	Conv		S		33.8													
Star of the West	Star 18	1.8	Conv		S		31.4													
Star of the West	Star 25	2.5	Conv	DFender	S		41.7													
Wyckoff Hybrids	W281C	2.8	Conv	WycKOAT	1c	R	<b>60.6</b>													
Zeeland Farm Services	ZFS 1326	2.6	Conv	Ecl-US-Q,N,N-H		R	50.6	57.7												
Zeeland Farm Services	ZFS 2023	2.0	Conv	Ecl-US-Q,N,N-H		R	55.7													
Zeeland Farm Services	ZFS 2324HO	2.3	Conv	Ecl-US-Q,N,N-H		R	51.7													
Zeeland Farm Services	ZFS 2521HO	2.5	Conv	Ecl-US-Q,N,N-H		R	48.8	55.4	60.4											
Zeeland Farm Services	ZFS 2819HO	2.8	Conv	Ecl-US-Q,N,N-H		R	45.1	51.2	57.2											
Zeeland Farm Services	ZFS 3023HO	3.0	Conv	Ecl-US-Q,N,N-H		R	47.0													
<b>GRAND MEAN</b>							<b>53.3</b>			<b>46.2</b>	<b>50.7</b>	<b>59.5</b>	<b>56.6</b>	<b>37</b>	<b>3.0</b>	<b>38.4</b>	<b>21.4</b>			
<b>Max.</b>							<b>61.5</b>			<b>56.6</b>	<b>61.1</b>	<b>78.3</b>	<b>68.2</b>	<b>42</b>	<b>3.8</b>	<b>43.0</b>	<b>22.7</b>			
<b>Min.</b>							<b>31.4</b>			<b>30.6</b>	<b>22.2</b>	<b>31.2</b>	<b>34.7</b>	<b>32</b>	<b>2.1</b>	<b>34.2</b>	<b>19.4</b>			
<b>LSD (0.05)</b>							<b>3.9</b>			<b>6.7</b>	<b>7.2</b>	<b>9.5</b>	<b>6.8</b>							
<b>CV (%)</b>							<b>9.3</b>			<b>9.0</b>	<b>8.8</b>	<b>9.9</b>	<b>9.0</b>							

<sup>1</sup> Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

\* High yield in plot

^ Data not available because of late arriving seed

Michigan State University varieties are experimental

Top 1/3 of trial is Bold