

TABLE 2. 2021 MICHIGAN SOUTH CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	Herb Tech	TMT <sup>1</sup>	Phyto RES	SCN	Aphid Res	YIELD (BU/AC)									
								2021	20-21	19-21	2021 AVERAGE						
								AVG	AVG	AVG	Ingham	Hillsdale	Lenawee	Height	Lodging	Protein	Oil
Dairyland	DSR-3001	3.0	Conv	EG,G,I,LUM	1c	R		<b>66.3</b>			<b>84.8</b>	61.3	52.9	40	1.6	43.2	20.6
DF Seeds	DF 155 F	2.5	Conv	DFender-N-I	1k	MS		63.1	61.3	62.2	<b>79.5</b>	56.8	<b>53.0</b>	36	2.1	43.7	20.5
DF Seeds	DF 260 N	2.6	Conv	DFender-N-I	1k	R		<b>67.0</b>	65.4	71.7	<b>81.2</b>	59.3	<b>60.5</b>	34	2.6	41.8	21.4
DF Seeds	DF 262 N F	2.6	Conv	DFender-N-I		R		58.7			67.0	59.0	50.1	33	1.9	46.1	18.8
DF Seeds	DF 282 N	2.8	Conv	DFender-N-I	1c	R		<b>71.5</b>			<b>93.4</b>	59.9	<b>*61.2</b>	34	1.5	41.9	21.0
Dyna-Gro	S2409N	2.4	Conv	Equity VIP Saltro		MR		<b>67.7</b>	62.5	64.3	<b>87.8</b>	<b>66.2</b>	49.0	33	1.0	42.7	20.5
Dyna-Gro	S2872N	2.8	Conv	Equity VIP Saltro	1c	R		<b>72.3</b>			<b>95.7</b>	<b>63.7</b>	<b>57.5</b>	34	1.4	41.9	21.2
GDM Seeds	V2122	2.1	Conv	CM + Vib	3a	S		<b>69.3</b>			<b>81.2</b>	<b>70.0</b>	<b>56.8</b>	35	1.6	43.1	20.2
GDM Seeds	V2922	2.9	Conv	CM + Vib	1k	R		<b>69.5</b>			<b>77.6</b>	<b>*71.8</b>	<b>59.2</b>	35	2.8	41.8	21.7
LG Seeds	C2300	2.3	Conv	Agri Max w/Saltro	1a	R		<b>68.3</b>	65.1	64.5	<b>87.9</b>	63.0	<b>53.9</b>	37	2.3	43.5	19.9
LG Seeds	LGS2020	2.0	Conv	Agri Max w/Saltro	k	R		<b>72.9</b>			<b>*95.9</b>	<b>67.5</b>	<b>55.3</b>	32	1.9	41.8	21.6
LG Seeds	LGS2801	2.8	Conv	Agri Max w/Saltro	1c	R		<b>*73.1</b>	67.1		<b>94.1</b>	<b>65.9</b>	<b>59.2</b>	36	1.1	42.0	21.1
MSU	E12076T	2.9	Conv	DFender-N-I		R		55.5	54.6	58.4	64.5	54.3	47.8	32	1.5	42.5	20.2
MSU	E12076T-03	2.2	Conv	DFender-N-I		R		<b>67.3</b>	60.8	63.6	<b>78.7</b>	<b>66.7</b>	<b>56.4</b>	33	1.9	42.8	20.2
MSU	E13268	1.7	Conv	DFender-N-I	1c			62.5	59.3	61.7	76.3	59.0	52.2	32	2.0	42.9	20.9
MSU	E14077	2.4	Conv	DFender-N-I	1k	R		63.2	60.4	63.3	75.6	<b>64.4</b>	49.5	35	2.0	42.8	21.1
MSU	E15339	2.4	Conv	DFender-N-I		R		62.0	58.5	62.3	74.1	57.2	<b>54.6</b>	39	3.4	42.3	21.0
MSU	E15345	2.7	Conv	DFender-N-I		R		<b>67.5</b>	63.4	65.8	<b>79.8</b>	63.1	<b>59.5</b>	36	3.4	41.8	20.8
MSU	E15351	1.8	Conv	DFender-N-I	1c	R		64.8	59.7	64.2	<b>85.1</b>	59.0	50.2	34	2.3	42.4	20.1
MSU	E15901	2.5	Conv	DFender-N-I	1k	R	R	64.8	60.8	63.1	<b>76.5</b>	61.1	<b>56.9</b>	36	1.6	43.1	19.8
MSU	E16189	2.8	Conv	DFender-N-I	1c			63.9	59.5	63.1	76.2	<b>63.4</b>	52.1	40	2.5	43.0	19.8
MSU	E16266	2.6	Conv	DFender-N-I	1k	R	R	62.2	58.2	62.4	75.7	58.4	52.4	35	1.3	42.9	20.8
MSU	E16915	2.7	Conv	DFender-N-I		R	R	60.4	61.2		76.5	60.8	43.8	36	2.0	43.3	19.7
MSU	E17004	2.6	Conv	DFender-N-I	1c			60.8	57.3	62.3	<b>80.3</b>	57.2	45.0	35	2.1	43.1	20.4
MSU	E17062	2.7	Conv	DFender-N-I				<b>65.9</b>	61.4	64.6	<b>80.3</b>	60.3	<b>57.1</b>	38	2.9	43.8	20.2
MSU	E17069	3.0	Conv	DFender-N-I		R		62.9	57.8	61.6	69.4	<b>65.7</b>	<b>53.7</b>	45	3.1	44.0	20.1
MSU	E17203	2.4	Conv	DFender-N-I		R		<b>64.9</b>	61.0	62.6	75.5	<b>64.7</b>	<b>54.4</b>	35	3.0	43.0	20.3
MSU	E17269	2.2	Conv	DFender-N-I	1k	R	R	62.7	59.7	63.8	75.7	<b>65.1</b>	47.3	37	2.5	41.8	20.8
MSU	E17283	2.7	Conv	DFender-N-I	1k	R	R	<b>66.8</b>	62.0	64.7	<b>80.5</b>	<b>63.3</b>	<b>56.7</b>	36	2.0	43.4	19.8
MSU	E18024T	2.7	Conv	DFender-N-I		R		55.5	53.0		66.6	53.1	46.7	35	2.3	45.0	19.2
MSU	E18450	2.5	Conv	DFender-N-I		R		62.1	61.9		71.1	<b>70.2</b>	44.9	39	2.9	42.8	20.9
MSU	E18638T	2.0	Conv	DFender-N-I		R		63.1	59.1		76.4	61.8	51.2	36	2.1	44.5	19.2
MSU	E19194	2.1	Conv	DFender-N-I				63.2			<b>78.4</b>	<b>66.2</b>	45.1	41	1.1	42.0	20.5
MSU	E19288T	2.4	Conv	DFender-N-I				58.0			68.0	59.0	47.1	35	2.0	45.1	19.2
MSU	E19312T	2.1	Conv	DFender-N-I				60.0			75.9	61.4	42.8	37	2.3	44.6	19.7
MSU	E19314T	1.6	Conv	DFender-N-I				63.0			76.2	62.5	50.3	31	2.3	43.9	19.1
MSU	E19323T	1.7	Conv	DFender-N-I				55.6			67.5	51.1	48.2	32	1.6	44.5	19.5
MSU	E19327T	2.0	Conv	DFender-N-I				61.9			74.0	61.0	50.6	32	2.0	44.3	19.5
MSU	E19412	2.4	Conv	DFender-N-I				<b>65.7</b>			71.9	<b>65.4</b>	<b>59.8</b>	38	2.1	43.6	19.8
MSU	E19413	2.5	Conv	DFender-N-I				63.6			74.3	<b>63.7</b>	52.7	40	2.5	42.2	20.4
MSU	E19689	2.1	Conv	DFender-N-I				57.9			69.1	57.9	46.6	35	2.0	43.6	21.5
MSU	E19803-07	2.7	Conv	DFender-N-I				54.0			74.5	46.9	40.5	32	1.9	43.5	20.9
Nature's Genetics	N.G. 1926	2.5	Conv					63.1			73.4	61.0	<b>54.9</b>	36	1.9	43.7	20.3
Nature's Genetics	N.G. 2.4	2.5	Conv					48.6			69.6	39.0	37.2	34	1.8	45.5	19.0

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BRAND	VARIETY	Maturity Group	Herb Tech	TMT <sup>1</sup>	Phyto RES	Aphid SCN	2021 Res	YIELD (BU/AC)										
								2021 AVG	20-21 AVG	19-21 AVG	2021 AVERAGE					Protein	Oil	
											Ingham	Hillsdale	Lenawee	Height	Lodging			
Southwest Seeds	AAC Wigle	2.2	Conv	untreated		MR		56.9			68.4	61.3	41.1	35	1.9	46.4	18.3	
Southwest Seeds	OAC Bruton	2.0	Conv	Vibrance Maxx		MR		50.4			64.9	49.9	36.5	31	1.3	44.5	19.7	
Wellman Seeds	W 295	2.5	Conv	ENCASE	1c			61.9	58.8		73.7	<b>64.6</b>	47.4	38	1.9	44.9	19.8	
Zeeland Farm Services	ZFS 2221	2.2	Conv	Ecl-US-Q, N, N-H		R		<b>65.2</b>			<b>80.1</b>	62.2	<b>53.4</b>	37	3.1	42.5	21.0	
Zeeland Farm Services	ZFS 2222HO	2.2	Conv	Ecl-US-Q, N, N-H		R		55.2			65.0	57.0	43.7	34	1.8	44.7	20.2	
Zeeland Farm Services	ZFS 24019HO	2.4	Conv	Ecl-US-Q, N, N-H		R		55.6	54.1		67.7	58.8	40.2	36	1.1	45.1	21.4	
Zeeland Farm Services	ZFS 2521HO	2.5	Conv	Ecl-US-Q, N, N-H		R		59.1	56.3		68.5	63.2	45.5	37	1.8	44.5	20.8	
Zeeland Farm Services	ZFS 2721	2.7	Conv	Ecl-US-Q, N, N-H		R		<b>66.0</b>			73.8	<b>64.0</b>	<b>60.3</b>	36	3.0	41.8	20.9	
Zeeland Farm Services	ZFS 2819HO	2.8	Conv	Ecl-US-Q, N, N-H		R		56.3	50.2		71.0	59.3	38.7	39	2.0	43.6	21.1	
<b>GRAND MEAN</b>								<b>62.8</b>			<b>75.3</b>	<b>60.0</b>	<b>49.3</b>	<b>35.6</b>	<b>2.2</b>	<b>43.4</b>	<b>20.3</b>	
<b>Max.</b>								<b>73.0</b>			<b>95.9</b>	<b>71.8</b>	<b>61.2</b>	<b>44.6</b>	<b>3.6</b>	<b>46.4</b>	<b>21.7</b>	
<b>Min.</b>								<b>49.9</b>			<b>64.5</b>	<b>39.0</b>	<b>36.5</b>	<b>30.9</b>	<b>1.0</b>	<b>41.8</b>	<b>18.3</b>	
<b>LSD (0.05)</b>								<b>5.2</b>			<b>7.4</b>	<b>8.9</b>	<b>8.6</b>					
<b>CV (%)</b>								<b>8.6</b>			<b>5.8</b>	<b>8.8</b>	<b>10.5</b>					

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

\* High yield in plot

Top 1/3 of trial is Bold

Michigan State University varieties are experimental