

TABLE 1. 2024 MICHIGAN CENTRAL CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity		TMT <sup>1</sup>	Phyto Res	SCN	Aphid Res	YIELD (BU/AC)										
		Group	Herb Tech					2024 AVG	23-24 AVG	22-24 AVG	2024 AVERAGE				Height	Lodging	Protein	Oil
											Ingham	Saginaw	Sanilac	Allegan				
Albert Lea	15B5	1.5	Conv	UT		R		62.7			68.5	60.7	66.8	53.3	32.0	1.3	36.6	22.4
Albert Lea	1718N	1.7	Conv	UT		MR		61.7			62.4	64.0	69.9	50.7	32.7	1.1	36.0	22.6
Albert Lea	19B5	1.9	Conv	UT		MR		64.4			68.9	63.1	74.2	52.4	34.8	1.5	37.0	21.9
Albert Lea	2155N	2.1	Conv	UT		MR		63.3			55.8	64.7	82.8	51.2	36.8	1.4	37.8	21.2
Benson Hill	e17Y993	1.7	Conv	CM, Sa		R		64.0			62.7	68.2	73.2	49.8	31.3	1.2	40.2	20.8
Benson Hill	e1993	1.9	Conv	CM, Sa	1k	R		59.7			57.9	61.1	69.2	50.6	33.1	1.2	36.5	21.5
Benson Hill	e21Y989	2.1	Conv	CM, Sa		R		58.8			57.9	62.3	69.1	48.9	32.7	1.0	41.0	21.0
Benson Hill	N23D217	2.3	Conv	CM, Sa		R		56.1			58.3	49.4	66.7	53.4	39.8	1.8	43.0	20.0
DF Seeds	DF 151 N	1.5	Conv	DFender	1k	R		63.6	61.5	63.8	63.4	67.9	81.3	48.0	33.4	1.3	36.9	22.6
DF Seeds	DF 155 F	2.5	Conv	DFender	1k F	S		60.2	56.7	56.7	60.0	57.6	72.4	53.9	36.3	2.3	37.7	22.0
DF Seeds	DF 174 N	1.7	Conv	DFender	1c	R		58.4	55.1		56.5	60.7	64.8	50.2	35.0	1.8	36.3	22.3
DF Seeds	DF 184 N	1.8	Conv	DFender	1k	R		56.7	55.8		54.9	50.2	68.4	53.2	36.3	1.7	37.7	21.3
DF Seeds	DF 193 N F	1.9	Conv	DFender	1k	R		56.4	54.1		50.1	62.5	65.4	51.5	33.5	2.3	40.6	21.5
DF Seeds	DF 204 N	2.0	Conv	DFender	1c	R		66.0	63.3		65.7	64.2	79.8	58.5	35.0	1.4	37.7	21.4
DF Seeds	DF 205 N F	2.0	Conv	DFender		R		57.8			60.5	58.3	65.8	50.6	33.3	2.2	39.8	20.8
DF Seeds	DF 214 N	2.1	Conv	DFender	1c	R		62.6	62.2		62.7	65.7	74.9	53.0	34.7	1.2	37.8	22.3
DF Seeds	DF 234 N	2.3	Conv	DFender	1k	R		62.4	58.6		56.2	59.8	75.5	55.5	36.6	1.3	38.6	21.7
DF Seeds	DF 260 N	2.6	Conv	DFender	1k	R		68.6	62.5	65.2	67.3	63.9	80.6	61.6	35.3	2.1	34.6	23.7
DF Seeds	DF 262 N F	2.6	Conv	DFender	1k	R		59.9	54.2	55.2	59.0	60.0	68.4	52.7	36.2	2.0	38.7	21.7
FS HiSOY	HS 15C00	1.5	Conv	ACL, Sa	1k	R		63.1	62.0	62.6	58.9	58.6	80.9	54.6	33.4	1.6	36.8	22.4
FS HiSOY	HS 19C20	1.9	Conv	ACL, Sa	1k	R		68.0	65.1		64.9	70.6	75.8	55.9	32.3	1.2	37.0	22.3
FS HiSOY	HS 28C20	2.8	Conv	ACL, Sa	1c	R		69.6	66.4	65.3	65.7	66.3	82.3	63.5	36.2	2.1	37.2	21.9
Iowa State University	IAS25C2	2.5	Conv	CM-APX, Sa				63.5			64.4	61.2	68.9	56.1	37.8	1.5	36.1	21.0
Iowa State University	IAS27C1	2.7	Conv	CM-APX, Sa				68.5			63.9	68.3	73.4	63.2	40.2	2.5	37.8	21.6
Jackson Seed Service	S12-J7	1.2	Conv	CM	1c, 3a	R		52.1			44.2	58.1	64.2	41.2	31.9	1.5	39.3	21.6
Jackson Seed Service	S16-B8	1.6	Conv	CM	1c, 3a	R		55.8	53.7		51.2	60.3	60.4	46.0	33.0	1.6	41.4	21.5
Jackson Seed Service	S20-G7	2.0	Conv	CM	1c	R		51.6			47.1	49.3	64.1	40.0	38.1	1.6	39.8	21.1
Jackson Seed Service	S23-T5	2.3	Conv	CM	1c	R		57.1			54.6	60.3	60.6	48.5	36.9	1.1	38.8	21.0
Jackson Seed Service	Silverline EE2101330	2.5	Conv	CM	Y	R		53.8			53.1	54.9	64.9	44.1	33.5	1.4	40.4	20.7
MSU	E11128T	2.5	Conv	DFender		R		50.8	50.3	51.7	52.3	51.9	58.8	39.4	34.8	1.9	42.0	20.1
MSU	E13268	1.7	Conv	DFender	1c	R		62.1	60.4	60.1	58.7	67.6	70.7	47.5	33.6	1.5	36.6	22.5
MSU	E15165T	2.0	Conv	DFender	1c	R		51.4	50.4	52.5	48.3	52.6	68.4	38.5	37.8	2.6	40.5	21.3
MSU	E15345	2.7	Conv	DFender		R		65.2	61.7	63.6	69.3	61.8	74.0	54.6	37.7	2.7	36.3	21.8
MSU	E15351	1.8	Conv	DFender	1c	MR		55.3	55.7	58.7	57.6	54.9	61.9	47.4	38.7	2.1	37.4	21.4
MSU	E17283	2.7	Conv	DFender	1k	R		62.9	61.0		67.5	62.0	76.0	51.4	35.8	2.0	38.6	21.5
MSU	E18610T	2.4	Conv	DFender		MR		60.2	59.2		60.3	62.5	67.7	50.3	33.8	2.6	39.8	20.7
MSU	E18638T	2.0	Conv	DFender		MR		60.9	61.8	62.9	60.2	64.9	69.3	52.0	36.9	2.2	39.2	20.8
MSU	E19314T	1.6	Conv	DFender	1k, 3a	R		61.3	60.4	60.2	57.0	67.9	68.7	52.1	34.4	1.8	39.9	20.7
MSU	E20026	2.2	Conv	DFender	1k, 6	R		64.3	60.3		60.3	62.9	79.2	53.8	38.4	2.2	36.6	21.9
MSU	E20078	1.7	Conv	DFender	1a	R		59.8	59.0	60.4	53.7	57.9	74.9	53.3	41.9	2.3	37.9	21.9
MSU	E20316T	2.6	Conv	DFender		R		59.2	58.3	59.6	53.5	56.6	73.5	50.8	35.9	1.8	40.3	21.4
MSU	E20327	2.2	Conv	DFender	R to race 4	R		63.7	62.3		62.2	60.6	79.4	51.4	37.9	1.5	37.4	22.1
MSU	E20333	2.6	Conv	DFender		R		58.2	60.2		57.7	58.3	71.0	49.2	39.2	2.1	35.5	22.8
MSU	E20351	2.6	Conv	DFender		R		62.0	60.8	62.3	61.8	53.7	79.5	55.3	40.5	2.5	35.6	21.9
MSU	E21062T	2.6	Conv	DFender		R		65.4	63.8		60.8	66.0	77.3	58.1	33.8	1.8	37.7	22.8
MSU	E21100	1.8	Conv	DFender		R		63.3	62.9		64.3	60.9	72.8	56.6	34.6	1.2	35.1	21.9
MSU	E21107	2.9	Conv	DFender		R		65.3	62.1		65.7	65.0	71.1	56.2	37.0	3.1	36.1	22.0
MSU	E21109	2.5	Conv	DFender		R		60.7	58.8		65.6	59.4	67.4	54.3	37.1	1.9	35.5	21.8
MSU	E21116	2.3	Conv	DFender		R		60.3	60.0		51.2	59.3	76.0	52.7	38.5	1.5	36.4	22.5
MSU	E21118	2.9	Conv	DFender		R		61.2	60.6		62.7	58.9	72.1	51.2	35.8	1.2	36.9	21.6
MSU	E21125	2.4	Conv	DFender		R		62.2	63.7		61.3	60.8	75.0	53.8	39.3	1.5	38.2	21.3
MSU	E21127	2.3	Conv	DFender		R		61.9	59.7		58.7	57.4	80.7	48.5	38.4	1.7	38.5	20.9
MSU	E21288-1HO	2.0	Conv	DFender		R		53.3			43.7	52.4	67.7	46.4	34.8	1.7	38.2	22.0
MSU	E21345	2.4	Conv	DFender		R		63.0	62.3		57.3	66.0	80.9	46.7	37.2	1.7	38.4	21.2
MSU	E22122HO	2.4	Conv	DFender		R		53.3			46.9	51.8	64.8	47.1	38.2	1.8	39.0	22.4
MSU	E22169HO	2.2	Conv	DFender		R		58.3			54.4	58.6	71.7	49.0	37.8	1.8	38.5	23.0
MSU	E22407	2.8	Conv	DFender		R		60.2			63.9	65.7	64.0	47.7	36.6	3.0	36.7	22.5
MSU	E22415	2.9	Conv	DFender		R		62.2			64.6	63.4	70.1	48.6	35.5	3.0	37.2	22.2
MSU	E22416	2.7	Conv	DFender		R		60.6			62.8	60.3	72.2	47.8	34.9	2.8	36.1	22.6
MSU	E22417	2.7	Conv	DFender		R		64.5			66.9	70.2	65.7	54.9	37.7	3.2	37.6	22.2

New Age Seeds	NA1800	1.8	Conv	Vay	1c	R	54.0	53.9	53.5	54.4	54.2	47.7	33.9	1.5	40.0	21.2	
New Age Seeds	NA2000	2.0	Conv	Vay	1c	R	58.2	55.3	57.3	59.6	64.9	49.4	34.6	1.5	40.2	20.9	
New Age Seeds	NA2700	2.7	Conv	Vay	1c	R	<b>64.5</b>	59.1	61.7	<b>64.8</b>	<b>78.6</b>	<b>57.0</b>	37.2	1.7	39.3	20.8	
Star of the West	DF Star 2400	2.4	Conv	SSS			60.7		<b>62.8</b>	58.6	<b>73.9</b>	50.6	35.2	1.8	38.2	22.2	
Star of the West	Star 18	1.8	Conv	UT			46.2	42.1	42.4	50.6	51.5	39.9	41.8	3.2	39.0	20.0	
Star of the West	Star 25	2.5	Conv	UT			50.7	47.3	50.6	49.3	56.6	44.4	31.7	2.0	38.4	20.3	
Star of the West	Star 9430	2.2	Conv	SSS			37.3	36.2	36.5	45.0	37.4	33.8	36.6	3.3	38.4	18.6	
Zeeland Farm Services	ZFS 1326	2.6	Conv	T-Elite, N-Durance		R	60.6	58.6	60.7	59.6	<b>64.2</b>	66.5	49.3	35.5	3.1	37.5	21.7
Zeeland Farm Services	ZFS 1721	1.7	Conv	T-Elite, N-Durance		R	61.7	61.1	61.4	58.3	<b>70.1</b>	70.1	46.9	31.3	1.1	41.2	20.4
Zeeland Farm Services	ZFS 2023	2.0	Conv	T-Elite, N-Durance		R	60.5	61.6		<b>65.1</b>	60.8	70.5	51.0	32.4	1.1	38.7	21.4
Zeeland Farm Services	ZFS 2324HO	2.3	Conv	T-Elite, N-Durance		R	61.9	58.3		<b>63.7</b>	<b>64.4</b>	66.8	52.0	35.0	1.2	38.1	21.8
Zeeland Farm Services	ZFS 2521HO	2.5	Conv	T-Elite, N-Durance		R	55.4	52.7	55.8	54.6	58.3	64.1	45.0	35.8	1.3	39.6	21.5
Zeeland Farm Services	ZFS 2725HO	2.7	Conv	T-Elite, N-Durance		R	58.4			61.0	57.2	65.5	48.5	33.1	1.4	39.1	22.3
<b>GRAND MEAN</b>							<b>59.9</b>			<b>58.4</b>	<b>60.2</b>	<b>69.8</b>	<b>50.4</b>	<b>35.8</b>	<b>1.8</b>	<b>38.4</b>	<b>21.6</b>
<b>Max.</b>							<b>69.6</b>			<b>69.3</b>	<b>70.6</b>	<b>82.8</b>	<b>63.5</b>	<b>41.9</b>	<b>3.3</b>	<b>43.0</b>	<b>23.7</b>
<b>Min.</b>							<b>37.3</b>			<b>36.5</b>	<b>45.0</b>	<b>37.4</b>	<b>33.8</b>	<b>31.3</b>	<b>1.0</b>	<b>34.6</b>	<b>18.6</b>
<b>LSD (0.05)</b>							<b>5.8</b>			<b>11.7</b>	<b>12.0</b>	<b>12.3</b>	<b>9.6</b>				
<b>CV (%)</b>							<b>11.8</b>			<b>9.7</b>	<b>12.1</b>	<b>10.6</b>	<b>11.5</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