TABLE 1. 2023 MICHIGAN CENTRAL CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

								YIELD (BU/AC)			2023 AVERAGE						
BRAND	VARIETY	Maturity Group	Herb Tech	TMT[1]	Phyto Res	SCN	Aphid Res	2023 AVG	22-23 AVG	21-23 AVG	Ingham	Saginaw	Sanilac	Height	Lodging	Protein	Oil
3G Seeds	AA2614 N	2.6	Conv	AA Elite	1k	R		**60.8**			52.0	**66.6**	**63.9**	37	2.8	37.3	22.3
DF Seeds	DF 151 N	1.5	Conv	DFender				**59.4**	63.9	69.2	**62.7**	59.8	55.8	37	2.2	37.8	21.8
DF Seeds	DF 155 F	2.5	Conv	DFender				53.2	55.0	59.4	52.6	48.9	58.1	38	2.2	39.4	21.4
DF Seeds	DF 174 N	1.7	Conv	DFender				51.7			47.6	55.0	52.7	37	2.7	37.6	21.9
DF Seeds	DF 184 N	1.8	Conv	DFender				54.8			49.1	58.7	56.5	38	2.7	37.2	21.3
DF Seeds	DF 187 N	1.8	Conv	DFender				54.3	59.1	63.8	54.5	51.7	56.7	39	2.7	39.4	20.6
DF Seeds	DF 193 F	1.9	Conv	DFender				51.9			47.1	54.0	54.7	36	2.7	43.0	20.2
DF Seeds	DF 204 N	2.0	Conv	DFender				**60.6**			53.6	***71.2**	56.9	38	2.2	39.0	21.0
DF Seeds	DF 214 N	2.1	Conv	DFender				**61.7**			**60.4**	57.9	**66.8**	37	2.3	38.9	22.0
DF Seeds	DF 224 N	2.2	Conv	DFender				47.1			49.3	35.0	57.0	37	2.7	36.8	22.4
DF Seeds	DF 231 N	2.3	Conv	DFender				**60.4**	62.7	67.9	**55.1**	**62.9**	**63.2**	35	1.7	36.8	21.9
DF Seeds	DF 234 N	2.3	Conv	DFender				54.7			52.5	49.7	**62.0**	38	2.2	41.4	20.3
DF Seeds	DF 260 N	2.6	Conv	DFender				56.4	63.4	68.4	**63.0**	55.5	50.7	36	2.8	36.6	22.7
DF Seeds	DF 262 N F	2.6	Conv	DFender				48.5	52.8	56.1	47.0	47.8	50.8	36	2.2	42.6	19.6
Dyna-Gro	S2409N	2.4	Conv	Eq-VIP,Sa,Vay		MR		**60.4**	64.0	69.1	**55.6**	60.1	**65.6**	37	2.2	39.6	21.2
Dyna-Gro	SX23119CV	1.9	Conv	Eq-VIP,Sa,Vay	1c	R		**57.5**			**57.2**	58.3	57.1	40	2.0	37.1	22.1
Growmark	HS 15C00	1.5	Conv	ACL,Sa	1k	R		**60.9**	62.3		54.9	59.8	**68.2**	34	2.7	38.6	21.5
Growmark	HS 19C20	1.9	Conv	ACL,Sa	1k	R		**62.1**			**56.8**	**60.8**	**68.9**	34	2.0	37.9	22.4
Growmark	HS 28C20	2.8	Conv	ACL,Sa	1c	R		**63.2**	63.2		**58.0**	**61.5**	**70.1**	38	1.8	38.9	21.5
Hensall Co-op	AAC McRae	2.2	Conv	Vay,O		MR		54.0			53.2	56.3	52.4	40	1.8	42.5	19.7
Hensall Co-op	HDC Blake	1.9	Conv	Vay,O				44.6			46.9	41.6	45.2	39	2.3	41.6	20.3
Hensall Co-op	S14-H3	1.5	Conv	Vay,O		MR		52.0			45.4	56.0	54.7	34	2.3	41.0	20.9
MSU	E11128T	2.5	Conv	DFender		R		49.7	52.1	54.9	45.9	58.1	45.0	38	2.3	41.9	20.0
MSU	E12076T-03	2.2	Conv	DFender		R		56.6	60.9	64.1	**55.9**	**64.3**	49.7	38	2.7	36.6	21.8
MSU	E13268	1.7	Conv	DFender	1c			**58.8**	59.2	63.7	53.3	59.2	**63.8**	38	2.8	37.9	22.2
MSU	E14077	2.4	Conv	DFender	1k	R		55.9	59.8	64.2	53.7	54.1	59.8	40	2.5	38.4	22.6
MSU	E15165T	2.5	Conv	DFender	1c	R		49.4	53.1	58.6	38.6	55.6	54.0	37	2.5	42.3	19.9
MSU	E15338	1.5	Conv	DFender	1k	R		51.9	56.6	61.0	**56.2**	55.8	43.8	28	2.0	38.1	21.8
MSU	E15339	2.4	Conv	DFender		R		55.6			50.4	**63.4**	53.0	37	3.2	38.3	22.2
MSU	E15345	2.7	Conv	DFender		R		**58.3**	62.8	66.5	**58.3**	**65.7**	51.0	41	2.5	37.7	21.7
MSU	E15346T	2.1	Conv	DFender				56.3	60.4	65.4	50.1	58.7	**60.2**	38	3.0	37.7	21.8
MSU	E15351	2.2	Conv	DFender	1c	MR		56.2	60.4	66.0	51.7	**60.5**	56.5	38	2.3	38.0	21.5
MSU	E17203	2.4	Conv	DFender		HR		54.9	60.2	64.6	46.5	**63.9**	54.4	38	2.5	38.9	21.5
MSU	E17283	2.9	Conv	DFender	1k	R	R	**59.2**			**60.1**	**60.8**	56.6	37	2.7	38.2	21.3
MSU	E18331-34HO	2.9	Conv	DFender				49.3			48.0	45.7	54.4	39	2.8	39.9	20.9
MSU	E18610T	2.0	Conv	DFender				58.2			**57.2**	54.0	**63.4**	37	2.7	39.9	20.6
MSU	E18638T	1.8	Conv	DFender		MR		**62.7**	64.0	67.2	**62.3**	**66.2**	59.6	36	2.7	41.3	20.1
MSU	E19288T	2.3	Conv	DFender				48.9			41.5	**61.5**	43.8	40	2.8	41.6	19.9
MSU	E19307T	2.4	Conv	DFender		R		52.4	56.3		50.3	53.8	53.2	39	2.5	38.9	20.8
MSU	E19314T	1.6	Conv	DFender	1k,3a	R		**59.5**	59.7	61.0	**57.7**	**61.4**	59.5	38	3.0	41.5	20.0
MSU	E20026	2.0	Conv	DFender				56.3			53.5	55.6	59.8	34	2.5	36.9	22.2
MSU	E20078	1.7	Conv	DFender	1a	R		58.2	60.8		**60.2**	58.1	56.2	41	2.7	37.6	22.1
MSU	E20099	1.8	Conv	DFender				50.0			41.1	57.6	51.3	37	2.2	36.5	23.0
MSU	E20154HO	2.0	Conv	DFender				50.5			47.5	56.3	47.8	38	2.2	40.5	21.4
MSU	E20195HO	2.1	Conv	DFender				51.7			42.2	53.5	59.5	35	2.7	37.9	22.0
MSU	E20316T	2.6	Conv	DFender		R		57.4	59.8		45.4	**60.6**	**66.3**	40	2.3	39.5	21.4
MSU	E20327	2.2	Conv	DFender				**60.8**			**61.0**	**64.4**	57.0	36	2.8	38.7	21.6
MSU	E20329	2.5	Conv	DFender	1k	R		55.9	60.4		46.1	**66.2**	55.5	40	2.7	36.2	22.3

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								YIELD (BU/AC)			2023 AVERAGE						
BRAND	VARIETY	Maturity Group	Herb Tech	TMT[1]	Phyto Res	SCN	Aphid Res	2023 AVG	22-23 AVG	21-23 AVG	Ingham	Saginaw	Sanilac	Height	Lodging	Protein	Oil
MSU	E20333	2.6	Conv	DFender				**62.2**			52.7	**66.0**	**67.7**	38	2.7	37.8	22.6
MSU	E20351	2.6	Conv	DFender		R		**59.6**	62.4		53.1	59.3	**66.6**	41	2.5	38.1	21.3
MSU	E20352	2.3	Conv	DFender		R		52.5			54.1	54.4	48.8	40	2.7	38.1	21.5
MSU	E20355	2.9	Conv	DFender		R		55.9	60.5		48.7	59.1	59.9	41	2.7	37.9	21.0
MSU	E21058	2.3	Conv	DFender		R		56.4			50.8	56.4	**62.0**	38	2.7	36.8	22.1
MSU	E21062T	2.4	Conv	DFender		R		**62.2**			54.6	**61.9**	**70.1**	35	2.5	40.4	21.5
MSU	E21100	1.8	Conv	DFender		R		**62.5**			**57.6**	**65.2**	**64.7**	36	2.5	36.9	21.5
MSU	E21102	2.9	Conv	DFender		R		**59.2**			**60.7**	57.4	59.5	40	2.3	36.9	22.4
MSU	E21107	2.9	Conv	DFender		R		**58.9**			51.5	**64.9**	**60.3**	39	2.3	36.7	21.6
MSU	E21109	2.5	Conv	DFender		R		56.8			**57.2**	60.3	52.9	40	2.5	37.7	21.2
MSU	E21116	2.3	Conv	DFender		R		**59.7**			**56.1**	**60.8**	**62.0**	39	2.5	37.8	22.5
MSU	E21118	2.9	Conv	DFender		R		**59.9**			50.1	**62.3**	**67.4**	38	2.7	39.1	21.6
MSU	E21125	2.3	Conv	DFender		R		***65.2**			***63.4**	59.6	***72.5**	39	2.3	40.5	20.6
MSU	E21127	2.3	Conv	DFender		R		57.4			**56.6**	50.3	**65.2**	41	2.7	38.5	21.2
MSU	E21139LF	2.5	Conv	DFender				46.1			43.4	49.1	45.8	38	2.3	40.8	20.2
MSU	E21345	2.2	Conv	DFender		R		**61.5**			**56.1**	**62.4**	**65.9**	38	2.2	37.3	21.6
New Age Seeds	NA1800	1.8	Conv		1c	R		53.8			51.2	50.5	59.7	36	2.3	39.9	21.7
New Age Seeds	NA2000	2.0	Conv		1c	R		52.3			51.5	53.0	52.5	36	2.0	41.5	20.2
New Age Seeds	NA2700	2.7	Conv		1c	R		53.6			49.0	47.9	**64.0**	37	2.2	41.2	20.5
Silverline	S16-B8	1.8	Conv	Vay,O	3a	MR		51.6			47.1	49.2	58.3	36	2.7	41.3	21.3
Silverline	S20-W9	2.0	Conv	Vay,O	3a	MR		49.4			47.8	50.5	49.8	33	2.3	42.7	20.6
Silverline	S21-C6	2.1	Conv	Vay,O		MR		46.9			44.1	52.0	44.6	39	2.3	40.4	21.2
Star of the West	Nature's Genetics 1926	2.4	Conv			S		55.1			**55.2**	55.4	54.8	39	2.5	39.1	21.4
Star of the West	Nature's Genetics 9430	2.2	Conv			S		35.0			26.6	39.7	38.6	38	3.3	38.6	20.2
Star of the West	Star 18	1.8	Conv			S		38.1			31.7	45.5	37.2	42	3.0	39.9	19.8
Star of the West	Star 25	2.5	Conv	DFender		S		43.8			37.8	41.4	52.2	31	2.7	38.1	20.6
Zeeland Farm Services	ZFS 1326	2.6	Conv	Ecl-US-Q,N,N-H		R		56.5	60.7		51.7	**60.6**	57.2	37	2.5	37.5	21.7
Zeeland Farm Services	ZFS 1624	1.6	Conv	Ecl-US-Q,N,N-H				54.9			51.6	54.3	58.9	35	2.7	37.1	21.8
Zeeland Farm Services	ZFS 1721	1.7	Conv	Ecl-US-Q,N,N-H		R		**60.5**	61.3	64.4	**57.2**	59.3	**65.0**	34	2.5	41.8	19.9
Zeeland Farm Services	ZFS 2023	2.0	Conv	Ecl-US-Q,N,N-H		R		**62.6**			**60.7**	**65.7**	**61.5**	34	1.8	38.1	21.4
Zeeland Farm Services	ZFS 2324HO	2.3	Conv	Ecl-US-Q,N,N-H		R		54.8			48.4	55.2	**60.9**	37	2.2	38.1	21.9
Zeeland Farm Services	ZFS 2521HO	2.5	Conv	Ecl-US-Q,N,N-H		R		49.9	56.0	60.7	49.5	56.1	44.0	34	2.0	40.5	21.2
Zeeland Farm Services	ZFS 2819HO	2.8	Conv	Ecl-US-Q,N,N-H		R		52.6	55.0	59.7	38.6	**69.9**	49.4	40	3.0	39.4	21.9
Zeeland Farm Services	ZFS 3023HO	3.0	Conv	Ecl-US-Q,N,N-H		R		50.6			47.3	49.6	55.0	37	2.2	39.0	21.2
GRAND MEAN								**55.0**			**51.3**	**56.8**	**56.9**	**37**	**2.5**	**38.9**	**21.3**
Max.								**65.2**			**63.4**	**71.2**	**72.5**	**42**	**3.3**	**43.0**	**23.0**
Min.								**35.0**			**26.6**	**35.0**	**37.2**	**28**	**1.7**	**35.4**	**19.6**
LSD (0.05)								**5.0**			**7.7**	**8.5**	**8.2**				
CV (%)								**9.9**			**9.4**	**11.0**	**9.0**				

[1] **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