

2023 NDSU Enlist, GT27, RR and Xtend Soybean Iron-deficiency Chlorosis Trial - Authors, C. Miranda and G. Kreutz (Page 1 of 3).

Company	Variety	Trial Mean IDC ¹	Company	Variety	Trial Mean IDC ¹
AgriGold	G0301E3	3.2	Dairyland	DSR-1290E	3.0
AgriGold	G0431E3	2.8	Dyna-Gro	S01XF43	3.0
AgriGold	G0500XF	2.4	Dyna-Gro	S03EN94	3.0
AgriGold	G0577E3	2.6	Dyna-Gro	S05XF73	2.8
AgriGold	G0854XF	3.5	Golden H.	GH00864XF	3.0
AgriGold	G0893E3	3.6	Golden H.	GH0234E3	3.2
AgriGold	G1055E3	3.0	Golden H.	GH0363E3	2.9
AgriGold	G1202XF	3.5	Golden H.	GH0384XF	3.3
AgriGold	G1209E3	3.0	Golden H.	GH0414E3	3.4
AgriGold	G1490XF	3.0	Golden H.	GH0502XF	3.3
AgriGold	G1493E3	3.3	Golden H.	GH0653XF	2.8
Bayer	AG02XF4	2.9	Golden H.	GH0734E3	2.8
Bayer	AG04XF4	2.9	Golden H.	GH0764XF	3.5
Bayer	AG05XF4	2.2	Golden H.	GH1124XF	3.0
Bayer	AG07XF4	2.8	Golden H.	GH1194E3	3.3
Bayer	AG10XF4	3.1	Golden H.	GH1323XF	3.2
Bayer	AG11XF4	2.7	Legacy	LS0098-23XF	2.8
Bayer	AG13XF4	3.2	Legacy	LS012-23E	2.7
Bayer	AG14XF4	3.6	Legacy	LS014-23XF	2.6
Channel	00924RFX	2.8	Legacy	LS024-23XF	3.3
Channel	0122RFX	2.9	Legacy	LS032-23E	3.2
Channel	0218R2X	1.9	Legacy	LS044-23XF	2.2
Channel	0320R2X	2.2	Legacy	LS052-23E	3.2
Channel	0423RFX	2.3	Legacy	LS064-23XF	3.4
Channel	0724RFX	3.2	Legacy	LS072-21E	3.1
Channel	0823RFX	3.0	Legacy	LS074-22XF	3.5
Channel	0924RFX	3.0	Legacy	LS084-22XF	3.3
Channel	1024RFX	3.0	Legacy	LS092-22E	3.7
Channel	1224RFX	2.4	Legacy	LS094-20XF	3.0
Channel	1524RFX	2.6	Legacy	LS102-22E	3.3
Dahlman	7301XF	2.9	Legacy	LS124-23XF	2.9
Dahlman	7304XF	2.6	LG Seeds	LGS00719XF	3.8
Dahlman	74009XF	3.1	LG Seeds	LGS00901E3	2.9
Dahlman	7401XF	2.6	LG Seeds	LGS0105E3	3.4
Dahlman	7412XF	2.5	LG Seeds	LGS0111RX	3.1
Dahlman	AE00940	3.0	LG Seeds	LGS0125XF	3.1
Dahlman	AE0140	3.4	LG Seeds	LGS0139XF	2.4
Dahlman	AE1220	3.4	LG Seeds	LGS0323E3	3.2
Dairyland	DSR-0220E	3.4	LG Seeds	LGS0405E3	2.5
Dairyland	DSR-0585E	2.7	LG Seeds	LGS0444XF	3.0
Dairyland	DSR-0757E	3.1	LG Seeds	LGS0550E3	3.0
Dairyland	DSR-0920E	3.0	LG Seeds	LGS0701XF	3.1
Dairyland	DSR-1121E	2.8	LG Seeds	LGS0822E3	2.9
Mean		3.0	Mean		3.0
CV %		22.2	CV %		22.2
LSD 0.05		0.5	LSD 0.05		0.5
LSD 0.10		0.4	LSD 0.10		0.4

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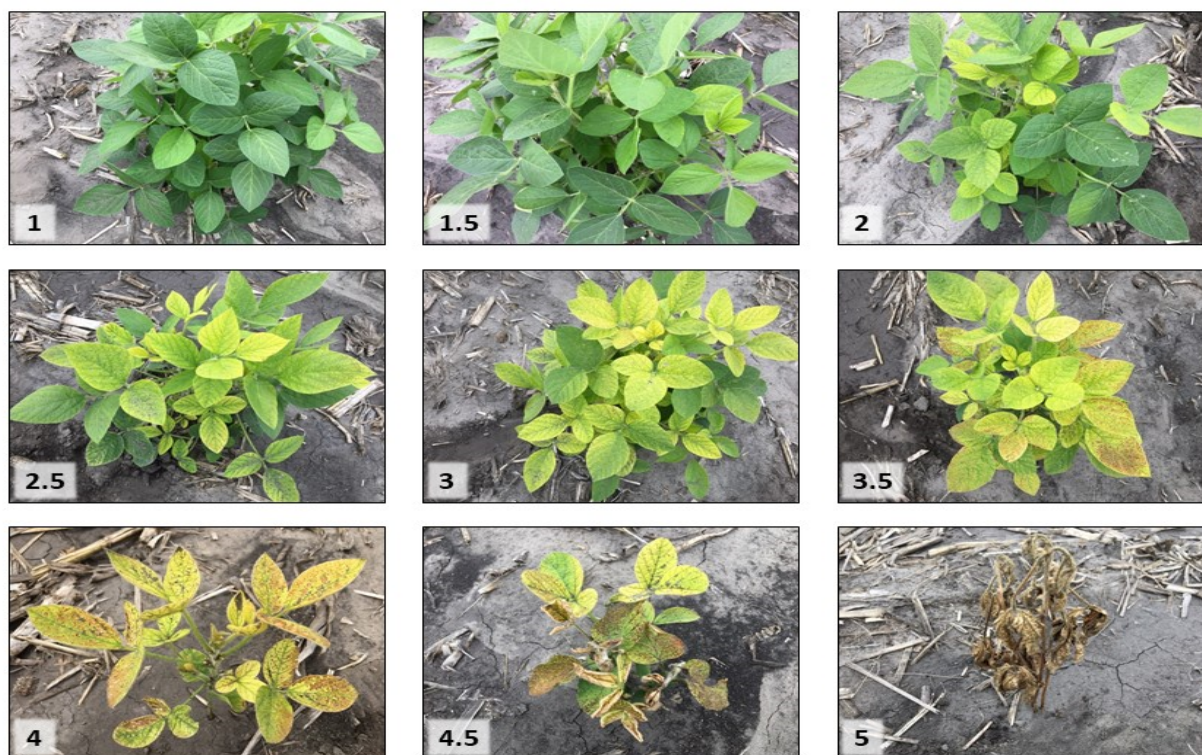
Company	Variety	Trial Mean IDC ¹	Company	Variety	Trial Mean IDC ¹
LG Seeds	LGS0988XF	3.2	Peterson	X2414E	2.9
LG Seeds	LGS1043E3	3.1	Peterson	X24XF01	2.3
LG Seeds	LGS1232XF	3.3	Pioneer	P02A78E	2.9
LG Seeds	LGS1385XF	2.8	Pioneer	P04A98E	2.7
NDSU	ND21008GT20	2.3	Pioneer	P06A38E	2.6
NDSU	ND2108GT73	3.1	Pioneer	P06A85E	2.4
NDSU	ND17009GT	3.7	Pioneer	P08A44E	2.0
Paloma / Farmer's BN	PL2E013	3.6	Pioneer	P11A97E	2.2
Paloma / Farmer's BN	PL2E043	2.8	Proseed	EL40-093N	2.9
Paloma / Farmer's BN	PL2E061	3.1	Proseed	EL40-13N	3.2
Paloma / Farmer's BN	PL2E073	2.7	Proseed	EL40-33N	3.4
Paloma / Farmer's BN	PL2E093	3.0	Proseed	EL40-83N	3.3
Paloma / Farmer's BN	PL2E101	3.3	Proseed	EL41-13N	3.1
Peterson	18X008N	2.3	Proseed	XF40-12	2.5
Peterson	19EN04	2.8	Proseed	XF41-22N	2.7
Peterson	19X03N	3.0	Proseed	XT80-20N	2.2
Peterson	2003E	3.2	REA	R0422XF	2.6
Peterson	2005E	2.4	REA	R0743XF	3.4
Peterson	2013E	3.1	REA	R0944XF	2.7
Peterson	2106E	2.8	REA	R1234XF	2.6
Peterson	2108E	3.4	Stine	009EG32	2.7
Peterson	2109E	3.8	Stine	01EG23	3.2
Peterson	21XF07	2.9	Stine	03EB02	2.9
Peterson	2201E	2.8	Stine	03EG62	3.1
Peterson	2207E	3.2	Stine	05EG26	3.4
Peterson	2212E	2.9	Stine	05EG62	2.9
Peterson	2214E	2.9	Stine	06EC23	2.8
Peterson	22XF009	3.2	Stine	06EG29	3.3
Peterson	22XF03	3.1	Stine	08EC32	3.1
Peterson	22XF06	3.2	Stine	08EG62	2.9
Peterson	22XF10	2.8	Stine	09EG92	3.3
Peterson	22XF12	3.2	Stine	12EB32	3.2
Peterson	22XF14	3.0	Stine	12EG32	3.5
Peterson	2304E	3.3	Syng NK	NK05-W3XF	3.2
Peterson	2309E	3.4	Syng NK	NK06-D9E3	3.3
Peterson	2311E	3.1	Syng NK	NK06-P2XF	2.5
Peterson	23EN009	3.4	Syng NK	NK07-G5E3	2.8
Peterson	23EN10	2.9	Syng NK	NK09-B5XF	2.7
Peterson	23XF009	2.8	Syng NK	NK11-A4E3	3.0
Peterson	23XF01	2.9	Syng NK	NK11-U2XF	3.1
Peterson	23XF09	3.2	Syng NK	NK13-Y4XF	2.9
Peterson	23XF13	3.2	Xitavo	XO 0094E	2.8
Peterson	X2412E	3.5	Xitavo	XO 0213E	2.5
Mean		3.0	Mean		3.0
CV %		22.2	CV %		22.2
LSD 0.05		0.5	LSD 0.05		0.5
LSD 0.10		0.4	LSD 0.10		0.4

Company	Variety	Trial Mean IDC ¹	Company	Variety	Trial Mean IDC ¹
Xitavo	XO 0234E	2.9	Xitavo	XO 0993E	3.5
Xitavo	XO 0311E	3.0	Xitavo	XO 1133E	2.9
Xitavo	XO 0554E	3.0	Xitavo	XO 1212E	2.9
Xitavo	XO 0602E	3.2	Xitavo	XO 1372E	3.1
Xitavo	XO 0731E	3.1			
Mean		3.0	Mean		3.0
CV %		22.2	CV %		22.2
LSD 0.05		0.5	LSD 0.05		0.5
LSD 0.10		0.4	LSD 0.10		0.4

Note: ND21008GT20 is the resistant control in green. NDSU ND17009GT is the susceptible control in red.

Scores averaged from three testing locations in North Dakota: Colfax, Leonard, and Amenia

¹IDC score was 1-5, with 1-green, 3-yellow, 5-dead tissue.



Soybean plants with IDC scores; 1 is green and 5 is dead tissue.