

Table 3. 2023 NDSU Enlist, GT27, RR and Xtend Soybean Iron-deficiency Chlorosis Trial - Authors, C. Miranda and G. Kreutz (**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**

Company	Variety	Trial Mean IDC ¹	Company	Variety
AgriGold	G0301E3	3.2	Dairyland	DSR-1121E
AgriGold	G0431E3	2.8	Dairyland	DSR-1290E
AgriGold	G0500XF	2.4	Dyna-Gro	S01XF43
AgriGold	G0577E3	2.6	Dyna-Gro	S03EN94
AgriGold	G0854XF	3.5	Dyna-Gro	S05XF73
AgriGold	G0893E3	3.6	Golden H.	GH00864XF
AgriGold	G1055E3	3.0	Golden H.	GH0234E3
AgriGold	G1202XF	3.5	Golden H.	GH0363E3
AgriGold	G1209E3	3.0	Golden H.	GH0384XF
AgriGold	G1490XF	3.0	Golden H.	GH0414E3
AgriGold	G1493E3	3.3	Golden H.	GH0502XF
Bayer	AG02XF4	2.9	Golden H.	GH0653XF
Bayer	AG04XF4	2.9	Golden H.	GH0734E3
Bayer	AG05XF4	2.2	Golden H.	GH0764XF
Bayer	AG07XF4	2.8	Golden H.	GH1124XF
Bayer	AG10XF4	3.1	Golden H.	GH1194E3
Bayer	AG11XF4	2.7	Golden H.	GH1323XF
Bayer	AG13XF4	3.2	Legacy	LS0098-23XF
Bayer	AG14XF4	3.6	Legacy	LS012-23E
Channel	00924RXF	2.8	Legacy	LS014-23XF
Channel	0122RXF	2.9	Legacy	LS024-23XF
Channel	0218R2X	1.9	Legacy	LS032-23E
Channel	0320R2X	2.2	Legacy	LS044-23XF
Channel	0423RXF	2.3	Legacy	LS052-23E
Channel	0724RXF	3.2	Legacy	LS064-23XF
Channel	0823RXF	3.0	Legacy	LS072-21E
Channel	0924RXF	3.0	Legacy	LS074-22XF
Channel	1024RXF	3.0	Legacy	LS084-22XF
Channel	1224RXF	2.4	Legacy	LS092-22E
Channel	1524RXF	2.6	Legacy	LS094-20XF
Dahlman	7301XF	2.9	Legacy	LS102-22E
Dahlman	7304XF	2.6	Legacy	LS124-23XF
Dahlman	74009XF	3.1	LG Seeds	LGS00719XF
Dahlman	7401XF	2.6	LG Seeds	LGS00901E3
Dahlman	7412XF	2.5	LG Seeds	LGS0105E3
Dahlman	AE00940	3.0	LG Seeds	LGS0111RX
Dahlman	AE0140	3.4	LG Seeds	LGS0125XF
Dahlman	AE0541	2.8	LG Seeds	LGS0139XF
Dahlman	AE1220	3.4	LG Seeds	LGS0323E3
Dairyland	DSR-0220E	3.4	LG Seeds	LGS0405E3

Dairyland	DSR-0585E	2.7	LG Seeds	LGS0444XF
Dairyland	DSR-0757E	3.1	LG Seeds	LGS0550E3
Dairyland	DSR-0920E	3.0	LG Seeds	LGS0701XF
Mean		3.0	Mean	
CV %		22.2	CV %	
LSD 0.05		0.5	LSD 0.05	
LSD 0.10		0.4	LSD 0.10	

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Company	Variety	Trial	
		Mean IDC ¹	Variety
LG Seeds	LGS0822E3	2.9	Peterson
LG Seeds	LGS0988XF	3.2	Peterson
LG Seeds	LGS1043E3	3.1	Peterson
LG Seeds	LGS1232XF	3.3	Pioneer
LG Seeds	LGS1385XF	2.8	Pioneer
NDSU	ND21008GT20	2.3	Pioneer
NDSU	ND2108GT73	3.1	Pioneer
NDSU	ND17009GT	3.7	Pioneer
Paloma / Farmer's BN	PL2E013	3.6	Pioneer
Paloma / Farmer's BN	PL2E043	2.8	Proseed
Paloma / Farmer's BN	PL2E061	3.1	Proseed
Paloma / Farmer's BN	PL2E073	2.7	Proseed
Paloma / Farmer's BN	PL2E093	3.0	Proseed
Paloma / Farmer's BN	PL2E101	3.3	Proseed
Peterson	18X008N	2.3	Proseed
Peterson	19EN04	2.8	Proseed
Peterson	19X03N	3.0	Proseed
Peterson	2003E	3.2	REA
Peterson	2005E	2.4	REA
Peterson	2013E	3.1	REA
Peterson	2106E	2.8	REA
Peterson	2108E	3.4	Stine
Peterson	2109E	3.8	Stine
Peterson	21XF07	2.9	Stine
Peterson	2201E	2.8	Stine
Peterson	2207E	3.2	Stine
Peterson	2212E	2.9	Stine
Peterson	2214E	2.9	Stine
Peterson	22XF009	3.2	Stine
Peterson	22XF03	3.1	Stine
Peterson	22XF06	3.2	Stine
Peterson	22XF10	2.8	Stine
Peterson	22XF12	3.2	Stine
Peterson	22XF14	3.0	Stine
Peterson	2304E	3.3	Syng NK

Peterson	2309E	3.4	Syng NK	NK06-D9E3
Peterson	2311E	3.1	Syng NK	NK06-P2XF
Peterson	23EN009	3.4	Syng NK	NK07-G5E3
Peterson	23EN10	2.9	Syng NK	NK09-B5XF
Peterson	23XF009	2.8	Syng NK	NK11-A4E3
Peterson	23XF01	2.9	Syng NK	NK11-U2XF
Peterson	23XF09	3.2	Syng NK	NK13-Y4XF
Peterson	23XF13	3.2	Xitavo	XO 0094E
Mean		3.0	Mean	
CV %		22.2	CV %	
LSD 0.05		0.5	LSD 0.05	
LSD 0.10		0.4	LSD 0.10	

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Company	Variety	Trial Mean IDC ¹	Company	Variety
Xitavo	XO 0213E	2.5	Xitavo	XO 0731E
Xitavo	XO 0234E	2.9	Xitavo	XO 0993E
Xitavo	XO 0311E	3.0	Xitavo	XO 1133E
Xitavo	XO 0554E	3.0	Xitavo	XO 1212E
Xitavo	XO 0602E	3.2	Xitavo	XO 1372E
Mean		3.0	Mean	
CV %		22.2	CV %	
LSD 0.05		0.5	LSD 0.05	
LSD 0.10		0.4	LSD 0.10	

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.

Trial
Mean
IDC¹

2.8
3.0
3.0
3.0
2.8
3.0
3.2
2.9
3.3
3.4
3.3
2.8
2.8
3.5
3.0
3.3
3.2
2.8
2.7
2.6
3.3
3.2
2.2
3.2
3.4
3.1
3.5
3.3
3.7
3.0
3.3
2.9
3.8
2.9
3.4
3.1
3.1
2.4
3.2
2.5

3.0

3.0

3.1

3.0

22.2

0.5

0.4

Page 2 of 3).

Trial

Mean

IDC¹

3.5

2.9

2.3

2.9

2.7

2.6

2.4

2.0

2.2

2.9

3.2

3.4

3.3

3.1

2.5

2.7

2.2

2.6

3.4

2.7

2.6

2.7

3.2

2.9

3.1

3.4

2.9

2.8

3.3

3.1

2.9

3.3

3.2

3.5

3.2

3.3

2.5

2.8

2.7

3.0

3.1

2.9

2.8

3.0

22.2

0.5

0.4

Page 3 of 3).

Trial

Mean

IDC¹

3.1

3.5

2.9

2.9

3.1

3.0

22.2

0.5

0.4
