

# NW MN Soybean Varietal Trial Results 2020

Planting Date: 5/19/20

## Early Maturity

Brand	Variety	Trait	RM	Marshall
Dyna-Gro	S009XT49	Xtend	0.09	55.3
Legacy Seeds	LS-00639N	RR2X	0.06	50.3
Dyna-Gro	S009XT68	Xtend	0.09	54.9
Peterson Farm Seeds	21X007	Xtend	00.7	54.1
LG Seed	LGS 00899 RX	Xtend	0.08	47.7
Proseed	XT70-09N	Xtend	0.09	55.1
Integra Seed	40089N	Enlist	0.08	46.3
Proseed	XT20-07	Xtend	0.07	48.8
Peterson Farm Seeds	19EN008	Enlist E3	00.8	42
Legacy Seeds	LS-00930 RR2X	RR2X	00.9	49.6
LG Seed	LGS00713E3	Enlist E3	0.07	43
Proseed	EL80-093	Enlist	0.09	40.4
<b>Mean</b>				<b>49.0</b>
<b>CV</b>				5.3%
<b>LSD (0.10)</b>				3.7
<b>LSD (0.20)</b>				2.8
<b>Top 1/3</b>				55.3 - 50.3
<b>Mid 1/3</b>				50.2 - 45.4
<b>Bottom 1/3</b>				45.3 - 40.4

## Medium Maturity

Brand	Variety	Trait	RM	Marshall
Golden Harvest	0390RR	RR	0.3	70.1
Legacy Seeds	LS-0239N RR2X	RR2X	0.2	60.8
Legacy Seeds	LS-0320N	Enlist E3	0.3	61.7
Pioneer	P03A17X	Xtend	0.2	58.2
Pioneer	P03A26X	Xtend	03	58.1
Integra Seed	50309N	Xtend	0.3	52.6
Dyna-Gro	S02EN71	Enlist E3	0.2	55.4
Stine Seed	03EB02	Enlist	03	54.9
LG Seed	LGS 0111 RX	Xtend	0.1	55.2
Pioneer	P01A84X	Xtend	01	55.4
Thunder Seed	SB8903N	Xtend	0.3	57.2
Stine Seed	01EA63	Enlist	00/01	51.6
Peterson Farm Seeds	2002E	Enlist E3	0.2	54.6

Thunder Seed	TE7003N	Enlist	0.3	54.3
Golden Harvest	0145X	Xtend	0.1	53
Dyna-Gro	S03XT29	Xtend	0.3	51.7
Thunder Seed	SB8001	Xtend	0.1	55.7
Integra Seed	40201N	Enlist	0.2	50.1
Proseed	XT80-20N	Xtend	.2	45
			<b>Mean</b>	<b>55.6</b>
			<b>CV</b>	8.3%
			<b>LSD (0.10)</b>	6.3
			<b>LSD (0.20)</b>	4.9
			<b>Top 1/3</b>	70.1 - 61.8
			<b>Mid 1/3</b>	61.7 - 53.4
			<b>Bottom 1/3</b>	53.3 - 45

#### Late Maturity

Brand	Variety	Trait	RM	Marshall
Golden Harvest	0443X	Xtend	0.4	56
Golden Harvest	0543X	Xtend	0.5	57
Integra Seed	50510N	Xtend	0.5	53.5
Dyna-Gro	S04XT91	Xtend	0.4	53.8
LG Seed	LGS 0400 RX	Xtend	0.4	52.9
Legacy Seeds	LS-0438 RR2X	RR2X	0.4	45.3
Golden Harvest	0749X	Xtend	0.7	57.1
			<b>Mean</b>	<b>53.7</b>
			<b>CV</b>	10.6%
			<b>LSD (0.10)</b>	NS
			<b>LSD (0.20)</b>	NS
			<b>Top 1/3</b>	57.1 - 53.2
			<b>Mid 1/3</b>	53.1 - 49.2
			<b>Bottom 1/3</b>	49.1 - 45.3

*Thank you to our 2020 plot cooperators:*

Garth Kruger--Marshall Co, Rick & Lauren Proulx--Pennington/Red Lake Co, Wayne & Harlan Olson--  
 Also Thank you to Russ Severson, Lauren Proulx, Melissa Carlson, Lorri Hartel, and Gail Podenski for y  
 Bill Craig, Plot Coordinator



Harvest Date: 9/29/2020

Penn/RL	Polk	Combined
59.8	53.8	56.3
61.2	54.5	55.3
53.1	57.4	55.2
56	52.4	54.2
57.4	57	54
52.2	52.5	53.2
56.1	54.4	52.3
44.8	57.3	50.3
51.6	56	49.9
44.5	52.2	48.8
46	54.9	47.9
46.5	53.4	46.8
<b>52.4</b>	<b>54.7</b>	<b>52.0</b>
11.3%	7.4%	8.5%
8.3	NS	5.9
6.4	NS	4.6
61.2 - 55.6	57.4 - 55.7	56.3 - 53.1
55.5 - 50.1	55.6 - 54	53 - 50
50 - 44.5	53.9 - 52.2	49.9 - 46.8

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Penn/RL	Polk	Combined
66.2	58.6	65
61.6	57.4	59.9
57.5	58.2	59.1
59.2	57	58.1
61.5	54.1	57.9
63.9	55.7	57.4
49.4	64.5	56.5
52.8	55.5	54.4
56.2	51.6	54.3
55.4	50.7	53.8
55	48.2	53.5
54.3	54.3	53.4
50.1	55	53.2

52.5	52	52.9
52.7	52.3	52.7
50.4	51.1	51.1
42.9	53.1	50.6
40.6	54	48.2
51.8	47.3	48.1
<b>54.4</b>	<b>54.2</b>	<b>54.7</b>
11.8%	9.2%	9.9%
8.9	6.9	5.6
6.9	5.3	4.3
66.2 - 57.7	64.5 - 58.8	65 - 59.3
57.6 - 49.1	58.7 - 53	59.2 - 53.7
49 - 40.6	52.9 - 47.3	53.6 - 48.1

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Penn/RL	Polk	Combined
62.7	61.8	60.2
42.3	64.3	54.5
44.3	59.5	52.4
42.7	59.8	52.1
41.1	56.1	50
37.1	64.4	48.9
21.3	57.8	45.4
<b>41.6</b>	<b>60.5</b>	<b>51.9</b>
25.6%	9.4%	15.9%
16.3	NS	NS
12.5	NS	NS
62.7 - 48.9	64.4 - 61.6	60.2 - 55.2
48.8 - 35.1	61.5 - 58.8	55.1 - 50.3
35.0 - 21.3	58.7 - 56.1	50.2 - 45.4

Polk Co.  
your help with the plots.

