

# 2019 NW MN County Soybean Varietal Trials

## Planting Date:

Polk May 15, 2019  
 Pennington/RL May 16, 2019  
 Marshall May 21, 2019

## Harvest Date:

Polk November 5, 2019  
 Pennington/RL November 6, 2019  
 Marshall November 13, 2019

### Early Maturity

Company	Variety	Relative Maturity	Marshall Co	Penn/Red Lake Co	Polk County	Combined
Peterson Farms Seed	19EN008	0.08	18.9	54.6	52.8	53.8
Wilbur-Ellis	50001	0.0	21.2	53.6	52.1	52.8
Channel	00717R2X	0.007	9.9	48.8	56.7	52.3
Dyna-Gro Seed	Dyna-Gro S009XT68	0.09	9.9	50.0	47.5	48.7
LG Seeds	LGS00899RX	0.008	11.4	44.6	51.5	48.0
Proseed	EL 80-093	0.09	12.0	52.1	40.5	46.9
Golden Harvest	00866	0.008	18.1	47.0	46.5	46.7
REA Hybrids	RX00749	0.07	10.0	40.5	52.7	46.0
REA Hybrids	RX00810	0.08	16.1	43.7	46.1	44.8
NorthStar Genetics	NS 60083NXR2	00.8	10.6	46.0	42.0	44.7
		<b>Mean</b>	<b>13.8</b>	<b>48.1</b>	<b>48.8</b>	<b>48.5</b>
		<b>CV</b>	21.5%	9.0%	7.5%	9.1%
		<b>LSD (0.10)</b>	5.4	7.5	9.0	NS
		<b>LSD (0.20)</b>	4.1	5.8	6.8	NS
		<b>Top 1/3</b>	21.2 - 17.4	54.6 - 49.9	56.7 - 51.3	53.8 - 50.7
		<b>Mid 1/3</b>	17.3 - 13.6	49.8 - 45.2	51.2 - 45.9	50.6 - 47.7
		<b>Bottom 1/3</b>	13.5 - 9.9	45.1 - 40.5	45.8 - 40.5	47.6 - 44.7

**Medium Maturity**

<b>Company</b>	<b>Variety</b>	<b>Relative Maturity</b>	<b>Marshall Co</b>	<b>Penn/Red Lake Co</b>	<b>Polk County</b>	<b>Combined</b>
Dyna-Gro Seed	Dyna-Gro S03XT29	0.3	34.9	60.5	54.1	57.5
Channel	0320R2X	0.03	35.4	54.0	57.3	55.6
Thunder	SB8903N	0.3	34.6	56.2	53.9	55.0
Peterson Farms Seed	20X01	0.1	24.1	50.5	61.3	55.0
NorthStar Genetics	NS 60264NXR2	0.2	23.2	52.5	56.5	54.5
Latham Hi-Tech Seeds	0282R2X	0.2	35.0	53.7	54.7	54.2
Thunder	TE7003N	0.3	28.0	60.2	50.7	54.2
Wilbur-Ellis	50309N	0.3	35.5	52.9	54.5	53.7
NorthStar Genetics	NS 90334E3	0.3	25.1	56.4	49.2	52.8
LG Seeds	LGS0111RX	0.1	31.1	54.0	50.9	52.5
LG Seeds	LGS0355RX	0.3	34.4	50.5	53.9	52.2
Legacy Seeds	LS-0239N RR2X	0.2	30.9	55.4	47.9	51.3
Thunder	TE7902	0.2	23.4	54.3	46.9	51.2
REA Hybrids	RX0228	0.2	37.6	49.6	52.3	50.9
Stine Seed Company	01EA63	0.01	27.0	49.9	51.5	50.7
NorthStar Genetics	NS 90214E3	0.1	27.0	49.6	50.4	49.8
Peterson Farms Seed	20EN02	0.2	27.3	54.3	45.5	49.5
Golden Harvest	0308X	0.3	26.5	55.9	41.5	48.7
Wilbur-Ellis	40209	0.2	27.7	48.9	48.5	48.5
Channel	0218R2X	0.02	26.1	52.3	39.2	47.7
REA Hybrids	RX0330	0.3	23.0	49.9	45.3	47.6
Proseed	EL 90-13	0.1	27.4	52.6	42.3	47.4
Proseed	XT 80-20	0.2	30.3	48.7	—	47.3
Golden Harvest	0145X	0.1	22.9	48.2	31.6	42.4
Wilbur-Ellis	40129	0.1	24.2	45.6	38.8	42.2
<b>Mean</b>			<b>28.9</b>	<b>52.7</b>	<b>49.1</b>	<b>50.9</b>
<b>CV</b>			12.4%	7.4%	10.2%	9.5%
<b>LSD (0.10)</b>			6.4	7.0	10.2	NS
<b>LSD (0.20)</b>			5.0	5.4	7.9	6.0
<b>Top 1/3</b>			37.6 - 32.7	60.5 - 55.5	61.3 - 51.4	57.5 - 52.4
<b>Mid 1/3</b>			32.6 - 27.8	55.4 - 50.6	51.3 - 41.5	52.3 - 47.3
<b>Bottom 1/3</b>			27.7 - 22.9	50.5 - 45.6	41.4 - 31.6	47.2 - 42.2

**Late Maturity**

<b>Company</b>	<b>Variety</b>	<b>Relative Maturity</b>	<b>Marshall County</b>	<b>Penn/Red Lake Co</b>	<b>Polk County</b>	<b>Combined</b>
LG Seeds	LGS0400RX	0.4	24.4	62.6	58.7	61.1
Legacy Seeds	LS-0438 RR2X	0.4	27.2	58.7	61.6	59.7
Stine Seed Company	08EA63	0.08	30.1	60.4	53.8	58.4
REA Hybrids	RX0719	0.7	26.3	59.9	56.0	58.3
Golden Harvest	0749X	0.7	26.5	55.7	62.7	58.2
Stine Seed Company	09EA02	0.09	29.7	55.3	57.5	56.0
Latham Hi-Tech Seeds	0739R2X	0.7	27.1	55.6	54.0	54.9
Legacy Seeds	LS-0429 E3	0.4	27.3	55.8	52.3	54.4
Latham Hi-Tech Seeds	0438R2X	0.4	29.5	55.5	49.6	53.2
Dyna-Gro Seed	Dyna-Gro S04XT77	0.4	29.8	54.9	49.9	53.0
REA Hybrids	RX0520	0.5	26.2	53.0	51.4	52.3
Wilbur-Ellis	50510N	0.5	30.2	52.4	51.6	52.0
Proseed	EL 90-53	0.5	27.9	50.1	55.3	51.4
Dyna-Gro Seed	Dyna-Gro S05EN70	0.5	27.3	49.2	55.2	51.3
Norcan	Nor 06	0.06	20.5	46.3	44.1	45.4
	<b>Mean</b>		<b>27.3</b>	<b>55.0</b>	<b>54.2</b>	<b>54.6</b>
	<b>CV</b>		13.9%	6.1%	8.1%	7.9
	<b>LSD (0.10)</b>		NS	5.9	8.1	5.4
	<b>LSD (0.20)</b>		NS	4.5	6.2	4.1
	<b>Top 1/3</b>		30.2 - 26.9	62.6 - 57.2	62.7 - 56.5	61.1 - 55.9
	<b>Mid 1/3</b>		26.8 - 23.7	57.1 - 51.7	56.4 - 50.3	55.8 - 50.6
	<b>Bottom 1/3</b>		23.6 - 20.5	51.6 - 46.3	50.2 - 44.1	50.5 - 45.4

Note: 1. Marshall County plot not included in the combined yield data due to plot variability  
2. Relativr maturity listing as furnished by seed company