

## New Varieties For 2014

### Elgin-ND Spring Wheat

Released by the North Dakota Agricultural Experiment Station, Elgin-ND is widely adapted to the spring wheat growing region. It has high yield potential and is similar in maturity to Faller. Protein levels for Elgin-ND are superior to Faller and Prosper. Elgin-ND has good straw strength similar to Faller and Prosper but it is slightly taller. It has average test weight and good milling and baking qualities. Elgin-ND possesses a good disease resistance package. It has a moderate rating for scab similar to Prosper and is resistant to prevalent races of leaf and stem rusts. Plant Variety Protection (PVP94) pending, a research fee applies to this variety. Table 1 includes Minnesota trial data, Table 2 includes North Dakota trial data.

**(Wheat Trial Tables 1 & 2 on back)**

### Soybeans

**MN0702CN (Exp M04-219004)** is being licensed through the MCIA Variety Licensing Program. Contact Roger Wippler at MCIA for additional information MN0702CN is a conventional soybean cyst nematode (SCN) resistant soybean line with a relative maturity of 0.7, about the same as Sheyenne. M04-219004 carries the *Rps1k* gene for Phytophthora, has good tolerance to iron chlorosis and good lodging resistance. It has good protein and oil content with white flowers, tawny pubescence and yellow hilum.

**The following soybean lines are being considered for further increase and the potential for release or licensing. If you have interest in either of these lines or would like more information contact Roger Wippler at MCIA.**

**EXP M04-212034** is a conventional SCN resistant soybean line with a relative maturity of 0.8. It is slightly later than Sheyenne and about five days earlier than MN1410. M04-212034 carries the *Rps1c* gene for phytophthora, has average tolerance to iron chlorosis and good lodging resistance. It has average protein and oil content with white flowers, gray pubescence and yellow hilum.

**Exp M04-220008** is a conventional SCN resistant soybean line of relative maturity 1.6. It is about two to three days later than MN1410. M04-220008 has very good yield, average tolerance to iron chlorosis and good lodging resistance. It has average protein and oil content with purple flowers, tawny pubescence and yellow hilum.

Soybean Yield Trial information is available, please contact MCIA.

If you would like more information the conventional soybean lines,  
Contact the MCIA Foundation Seed Program, 1-800-510-6242.

**(Wheat Trial Tables 1 & 2 on back)**

## Wheat Trial Data

Table 1 **Minnesota Wheat Trials 2013**

Variety	Days to Heading (2013)	Grain Yield (% of mean*) State 2 Yr 2012-2013	2 year Protein %	Test Wt.	Straw Strength (1-9)	Ht. Inches (2013)	Scab (1-9)	Leaf Rust (1-9)
<b>Elgin-ND</b>	<b>57.4</b>	<b>100</b>	<b>14.7</b>	<b>59.9</b>	<b>5</b>	<b>33.4</b>	<b>5</b>	<b>2</b>
Faller	56.7	104	14.0	60.4	5	31.4	4	5
Glenn	55.2	91	15.1	61.8	4	32.1	3	3
Linkert	56.4	96	15.4	60.4	2	27.9	5	3
Norden	56.6	99	14.3	62.0	3	29.7	5	2
Prosper	56.6	106	14.1	60.3	5	31.0	5	5
Mean*	56.5	71.9 bu/acre*	14.6	60.8		30.9		

1-9 scale where 1=most resistant, 9=most susceptible.

\* mean includes varieties not listed.

Table 2 **North Dakota Trials Eastern Locations 2010-2012 \***

Variety	Days to Heading (2012)	Yield Bu/acre 2010-2012	Protein %	Test Wt.	Lodging Score (0-9)	Ht. Inches	Scab	Leaf Rust (1-9)
<b>Elgin-ND</b>	<b>56.2</b>	<b>59.4</b>	<b>15.3</b>	<b>58.9</b>	<b>1.8</b>	<b>33.9</b>	<b>MR/MS</b>	<b>R</b>
Barlow	54.1	55.5	15.3	60.3	1.5	32.7	MR/MS	R
Faller	57.2	62.0	14.3	59.4	0.8	32.4	MR	R
Glenn	53.6	50.9	14.9	62.0	0.0	33.6	MR/R	R

0-9 scale where 0= resistant, 9= susceptible.

R= resistant; MR=moderately resistant; MS=moderately susceptible

\* Across 9 locations

Additional test trial information can be found at <http://www.maes.umn.edu/> click on Minnesota Field Crop Trials.