

**North Central Research Extension Center—Minot  
2010 Pea Fungicide X Variety Trial**

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▪ **Trial information**

- Design: RCB with split-plot arrangement and four replicates
- Plot size: 5' x 18'
- Planting Date/Rate: April 23rd, 350 K PLS per acre
- Previous Crop/Tillage: Wheat/ spring tilled with chisel plow spikes
- Seeding System: Plot planter with off set double disc openers on 6 inch spacing
- Fertility: Granular inoculant placed with the seed
- Fungicide Treatments: 6 oz/acre Headline applied June 24 when peas were 10-50% flowered
- Application Equipment: CO<sub>2</sub> pressurized hand boom with 80015 flat fans @ 40 psi and 15 GPA
- Weed Control: 2.75 pt/acre Prowl H2O + 4 oz/acre Spartan + 22 oz/acre Roundup WeatherMax PRE , 8 oz/acre Volunteer + 2 pt/acre Basagran POST, 2 pt/acre Gramoxone Inteon pre-harvest
- Harvest Date: August 20

Variety	Disease <sup>1</sup>				Test Weight		Seed Size		Protein		Yield	
	9-Jul		29-Jul		lb/bu		seeds/lb		--%--		bu/A	
	0-9											
	<i>Fung.</i>	<i>No Fung.</i>	<i>Fung.</i>	<i>No Fung.</i>	<i>Fung.</i>	<i>No Fung.</i>	<i>Fung.</i>	<i>No Fung.</i>	<i>Fung.</i>	<i>No Fung.</i>	<i>Fung.</i>	<i>No Fung.</i>
Agassiz	1.0	2.0	3.0	4.3	63.3	63.0	1676.1	1751.0	23.9	23.9	72.6	64.8
Aragorn	1.8	3.0	6.5	7.5	62.1	61.2	1914.8	1990.1	23.5	23.3	54.7	49.6
CDC Golden	1.3	2.3	3.8	5.8	63.3	63.4	1898.6	1926.1	23.7	23.3	64.3	58.3
CDC Meadow	1.8	2.8	5.0	6.5	63.7	63.3	2003.4	2125.7	22.7	22.9	69.0	59.1
CDC Striker	1.3	1.8	3.5	5.5	64.5	63.6	1823.9	1854.7	24.2	24.3	57.6	54.4
DS Admiral	2.0	3.8	6.8	7.3	63.4	63.3	1827.4	1903.0	22.5	22.4	57.9	49.2
K2	1.3	1.8	6.0	6.5	63.5	63.5	1832.0	1971.5	23.0	22.8	60.2	52.5
Majoret	1.0	2.5	3.0	4.8	64.0	64.1	1733.0	1792.4	23.8	24.4	58.4	57.9
Spider	1.5	2.0	4.3	4.8	63.5	63.6	1710.4	1757.8	23.4	23.7	63.1	62.2
Thunderbird	1.3	1.8	2.0	2.8	64.2	63.9	1887.4	1946.2	23.8	23.7	72.6	67.9
LSD 5%	1.0		1.3		0.8		101.8		0.7		6.2	
C.V.%	38.3		18.4		0.9		3.8		2.0		7.3	
Mean	1.8		5.1		63.4		1883.7		23.4		60.2	

<sup>1</sup> Disease ratings based on visual evaluation of disease severity in the plot with 0=no disease.