

**2020 Public Field Pea Variety Trial at Minot**

Variety	Days to Flower	Days to Maturity	Canopy Height	Vine Length	Plant Height Index	Lodging	Pod Height	Seed Protein	1000 Seed Weight	Seeds/Pound	Test Weight	Seed Yield	Significant Difference <sup>6</sup>
	DAP <sup>1</sup>	DAP <sup>1</sup>	cm	cm	(0-1) <sup>2</sup>	(0-9) <sup>3</sup>	cm	% <sup>4</sup>	g	#	lb/bu	bu/A <sup>5</sup>	
<b>Yellow Cotyledon</b>													
MS-20YP4	48	80	64	53	1.2	0.0	48	25.6	255	1786	66.8	28.9	A
AAC Asher	50	81	42	37	1.1	0.0	33	26.4	311	1466	66.9	28.5	A
CDC Saffron	48	78	47	42	1.1	0.0	40	25.8	263	1720	67.3	28.4	A
PS17100022	49	76	56	52	1.1	0.0	48	22.4	279	1616	67.3	27.9	A
AAC Carver	48	77	54	52	1.1	0.0	45	25.0	287	1571	66.4	27.6	A
AAC Chrome	50	81	42	43	1.0	0.0	37	25.2	295	1533	67.0	27.5	A
Durwood	47	78	58	52	1.1	0.0	45	26.9	266	1705	66.9	27.4	A
093-7410	44	76	61	52	1.2	0.0	48	24.8	261	1737	67.4	27.3	A
MS20Y3	47	76	52	49	1.1	0.0	46	26.4	281	1618	66.3	26.7	A
PS1710NZ0016	47	73	54	47	1.2	1.0	44	26.6	267	1703	66.8	26.7	A
AAC Profit	50	79	50	47	1.0	0.0	43	26.1	270	1687	66.6	26.4	A
DS Admiral	48	77	52	42	1.2	0.0	41	25.6	278	1633	67.4	26.1	A
Mystique	48	77	53	49	1.1	0.0	45	26.0	290	1568	66.0	26.1	A
CDC Sepctrum	49	79	51	48	1.1	0.0	43	26.2	268	1695	66.5	26.1	A
MS1705	48	78	60	57	1.1	0.0	49	27.8	333	1366	65.9	26.0	A
MS-19YP3	48	78	52	49	1.1	0.0	45	25.5	268	1689	68.0	25.8	A
Trial Mean	47	77	50	46	1.1	0.1	42	25.8	268	1710	66.5	23.4	
C.V. %	2.1	2.1	10.4	9.7	11.40	550.31	8.0	1.73	2.3	2.4	0.67	16.23	
LSD 5%	1.2	1.9	6.0	5.2	0.14	0.56	3.9	5.52	7.2	48.0	0.52	4.45	
LSD 10%	1	2	4	5	3.0	2.8	1	0.4	0	37	0.4	3.5	

<sup>1</sup> Days after planting<sup>2</sup> Canopy Height/Vinlength<sup>3</sup> Lodging: 0 = all plants erect, 9 = all plants lying flat on the ground<sup>4</sup> Protein adjusted to 0% moisture<sup>5</sup> Yield adjusted to 13.5% moisture<sup>6</sup> Seed yields within a market class with different letters are significantly ( $p < 0.05$ ) different**Planting date: 5/8/2020****Harvest date: 8/3/2020****Previous Crop: Flax****Tillage: Minimal Tillage**

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	DAP <sup>1</sup>	DAP <sup>1</sup>	cm	cm	(0-1) <sup>2</sup>	(0-9) <sup>3</sup>	cm	% <sup>4</sup>	g	#	lb/bu	bu/A <sup>5</sup>	
<i>Note: &lt; 1 bu/A of flax was pulled off of this field as a result of wet conditions and delayed harvest in 2019, so all plots heavily "intercropped" with flax</i>													
Jetset	47	74	52	45	1.2	0.0	42	25.2	252	1791	66.8	25.6	A
Agassiz	46	79	55	49	1.1	0.0	44	24.7	260	1746	66.5	25.5	A
MS-20Y2	50	78	51	47	1.1	0.0	44	25.7	260	1746	66.4	25.3	A
Hyline	48	78	50	44	1.1	0.0	39	25.1	268	1689	66.9	25.1	A
133-6243	43	73	46	43	1.1	0.0	41	24.0	310	1463	67.1	24.5	A
143-6230	48	74	47	42	1.1	0.0	41	26.4	219	2076	66.3	24.5	A
CDC Inca	50	79	53	48	1.1	0.0	43	24.8	260	1746	66.9	23.3	B
CDC Amarillo	52	81	52	48	1.1	1.0	43	26.6	261	1747	66.4	23.3	B
MS-20Y1	48	76	44	43	1.0	0.0	38	25.9	267	1696	66.3	23.2	B
Salamanca	48	76	50	50	1.0	0.0	45	27.5	289	1568	66.0	22.3	B
Orchestra	46	77	46	44	1.0	0.0	40	27.2	304	1500	66.6	22.0	B
Nette 2010	47	76	46	43	1.1	0.0	41	25.8	271	1676	66.8	21.8	B
LG Equator	45	76	48	44	1.1	0.0	39	25.4	250	1810	67.2	21.7	B
Kestral	42	75	36	38	1.0	0.0	35	25.5	264	1715	67.0	21.3	B
DL Apollo	47	75	51	51	1.0	0.0	47	25.5	242	1871	67.2	21.3	B
Cronos	44	75	52	45	1.1	0.0	42	27.4	324	1388	65.5	21.0	B
CDC Dakota	52	78	52	48	1.1	0.0	44	29.3	225	2010	67.0	20.8	B
Trial Mean	47	77	50	46	1.1	0.1	42	25.8	268	1710	66.5	23.4	
C.V. %	2.1	2.1	10.4	9.7	11.40	550.31	8.0	1.73	2.3	2.4	0.67	16.23	
LSD 5%	1.2	1.9	6.0	5.2	0.14	0.56	3.9	5.52	7.2	48.0	0.52	4.45	
LSD 10%	1	2	4	5	3.0	2.8	1	0.4	0	37	0.4	3.5	

<sup>1</sup> Days after planting<sup>2</sup> Canopy Height/Vinlength<sup>3</sup> Lodging: 0 = all plants erect, 9 = all plants lying flat on the ground<sup>4</sup> Protein adjusted to 0% moisture<sup>5</sup> Yield adjusted to 13.5% moisture**Planting date: 5/8/2020****Harvest date: 8/3/2020****Previous Crop: Flax****Tillage: Minimal Tillage**

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	DAP <sup>1</sup>	DAP <sup>1</sup>	cm	cm	(0-1) <sup>2</sup>	(0-9) <sup>3</sup>	cm	% <sup>4</sup>	g	#	lb/bu	bu/A <sup>5</sup>	
LGPN 4915	49	78	56	47	1.2	1.0	42	26.1	277	1635	67.5	20.3	B
PS16100102	49	79	40	43	0.9	0.0	39	26.0	251	1814	66.3	19.8	C
<b>ND Dawn</b>	<b>47</b>	<b>76</b>	<b>46</b>	<b>45</b>	<b>1.0</b>	<b>0.0</b>	<b>42</b>	<b>23.6</b>	<b>255</b>	<b>1782</b>	<b>65.2</b>	<b>19.6</b>	<b>C</b>
Kite	45	77	35	36	1.0	0.0	30	26.2	269	1690	66.1	19.3	C
143-6220	48	76	44	40	1.1	0.0	38	25.8	232	1961	65.9	18.9	C
LG Sunrise	45	77	48	48	1.0	0.0	41	24.5	261	1735	67.4	17.9	C
153-7409	44	73	43	39	1.1	0.0	38	24.4	249	1827	66.0	17.5	C
Korando	43	74	44	45	1.0	0.0	38	28.1	296	1528	65.9	17.3	C
<b>Green Cotyledon</b>													
MS-20GP5	48	80	49	48	1.1	0.0	44	25.2	273	1667	66.4	29.8	A
MS-20G1	52	80	62	56	1.1	0.0	52	24.6	272	1672	67.2	28.5	A
Arcadia	47	77	44	40	1.1	0.0	37	24.5	243	1876	66.6	28.4	A
CDC Greenwater	49	80	56	49	1.2	0.0	42	25.6	274	1651	66.0	26.3	A
AAC Comfort	51	82	47	41	1.2	0.0	38	25.9	301	1511	65.7	24.9	B
Shamrock	50	78	55	46	1.2	0.0	43	25.6	276	1646	67.0	24.6	B
Daytona	48	79	50	51	1.0	0.0	46	27.0	321	1404	65.8	24.6	B
Trial Mean	47	77	50	46	1.1	0.1	42	25.8	268	1710	66.5	23.4	
C.V. %	2.1	2.1	10.4	9.7	11.40	550.31	8.0	1.73	2.3	2.4	0.67	16.23	
LSD 5%	1.2	1.9	6.0	5.2	0.14	0.56	3.9	5.52	7.2	48.0	0.52	4.45	
LSD 10%	1	2	4	5	3.0	2.8	1	0.4	0	37	0.4	3.5	

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**Planting date: 5/8/2020**

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	DAP <sup>1</sup>	DAP <sup>1</sup>	cm	cm	(0-1) <sup>2</sup>	(0-9) <sup>3</sup>	cm	% <sup>4</sup>	g	#	lb/bu	bu/A <sup>5</sup>	
141-6258	44	73	43	40	1.1	0.0	37	24.5	236	1926	66.6	23.0	B
Empire	50	78	63	65	1.0	1.0	56	25.4	256	1774	67.9	22.1	B
Majestic	47	78	49	49	1.0	0.0	43	26.9	286	1590	65.8	21.9	B
CDC Striker	49	78	50	44	1.1	0.0	40	28.0	269	1686	67.1	20.3	C
Bluemoon	47	78	53	40	1.3	0.0	39	26.2	283	1612	66.0	20.1	C
Hampton	47	78	38	37	1.0	0.0	33	28.3	263	1728	65.5	20.0	C
171-7665	44	74	44	43	1.0	0.0	40	23.9	241	1880	66.8	19.7	C
Greenwood	46	77	44	40	1.1	0.0	37	25.4	218	2091	66.4	18.8	C
Aragorn	44	74	43	39	1.1	0.0	35	26.1	232	1963	65.3	18.1	C
171-6533	46	74	39	37	1.1	0.0	35	27.6	238	1909	65.1	14.4	D
Viper	44	75	48	44	1.1	0.0	42	26.5	265	1717	65.8	13.4	D
Trial Mean	47	77	50	46	1.1	0.1	42	25.8	268	1710	66.5	23.4	
C.V. %	2.1	2.1	10.4	9.7	11.40	550.31	8.0	1.73	2.3	2.4	0.67	16.23	
LSD 5%	1.2	1.9	6.0	5.2	0.14	0.56	3.9	5.52	7.2	48.0	0.52	4.45	
LSD 10%	1	2	4	5	3.0	2.8	1	0.4	0	37	0.4	3.5	

<sup>6</sup> Seed yields within a market class with different letters are significantly ( $p < 0.05$ ) different

Note: < 1 bu/A of flax was pulled off of this field as a result of wet conditions and delayed harvest in 2019, so all plots heavily "intercropped" with flax

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