

2006 Field Pea Variety Trial – Continuously Cropped - No-till

Hettinger

Brand	Variety	Days to Bloom	Duration of Bloom	Days to Mature	Plant Height	Lodg.	1000 Seed wt.	Test Weight	--- Seed Yield ----			<u>Avg. Yield</u>	
									2004	2005	2006	2 yr	3 yr
			days		inches	0-9*	grams	Lbs/bu	----- bushels per acre -----				
Yellow Cotyledon													
Crop Dev. Ctr.	CDC Mozart	64	4	84	14	2.0	190	64.0	29.2	72.3	56.8	64.6	52.8
Farm Pure Inc.	Eclipse	61	10	85	16	0.8	198	63.6	21.2	68.3	53.7	61.0	47.7
	Tudor	62	6	84	16	0.8	216	62.4			50.5		
	Polstead	62	8	86	15	0.5	197	62.6			54.4		
	Ceb 4149	63	7	86	17	0.5	195	63.0			46.4		
Pulse USA	DS Admiral	64	5	84	17	0.5	184	63.3	29.8	59.1	59.0	59.0	49.3
	Miami	64	5	84	17	1.2	194	63.2			53.0		
	CDC Golden	60	9	82	17	1.0	175	63.8			53.0		
	CDC Bronco	65	7	87	17	2.0	188	63.4			50.9		
Green Cotyledon													
DLF Trifolium	Nitouche	62	6	85	15	1.2	210	62.0	42.6	66.4	52.6	59.5	53.9
Farm Pure Inc.	Camry	63	4	86	12	0.0	182	62.5			52.4		
	Tamora	66	3	88	18	1.0	228	62.2			51.1		
Pulse USA	Majoret	63	6	86	17	0.8	185	63.5	33.7	66.4	50.7	58.6	50.3
	Cruiser	61	8	84	17	1.0	165	62.8	29.2	67.7	48.8	58.2	48.6
	CDC Sage	64	8	87	18	2.2	169	62.4			41.9		
	CDC Striker	64	5	85	15	0.0	208	63.8			50.9		
USDA	Stirling	60	9	84	13	1.8	188	62.8	20.0	59.3	50.3	54.8	43.2
Forage Type													
Pulse USA	CDC Sonata	66	7	88	17	5.0	222	62.3			45.5		
Trial Mean		63	7	85	16	1.2	194	62.9	32.3	59.6	51.1	--	--
C.V. %		2.2	23.0	0.9	15.6	64.5	4.9	0.8	6.7	8.9	6.0	--	--
LSD .05		2	2	1	4	1.1	14	0.7	3.1	7.5	4.4	--	--
LSD .01		3	3	2	NS	1.5	18	1.0	4.3	10.0	5.8	--	--

* Lodging: 0 = none, 9 = lying flat on ground. NS = no statistical difference between varieties.

Planting Date: April 11, 2006

Harvest Date: July 14, 2006

Seeding Rate: 250,000 live seeds / acre.

Previous Crop: barley.

Notes: The 2004 trial sustained hard frosts during flowering.

2006 Field Pea Variety Trial – Continuously Cropped - No-till Selfridge

Cooperator: Nick Vollmuth, Selfridge

Variety	Plant Height	Seed Yield		
		2005	2006	2 yr.
	inches	lbs/ac		
Yellow Cotyledon				
DS Admiral	14	39.4	19.3	29.4
SW Midas	13		19.4	
Carneval	13		17.4	
Green Cotyledon				
Cruiser	14	36.3	21.0	28.6
Majoret	13	39.1	14.3	26.7
CDC Striker	14		12.3	
Trial Mean	13	35.1	17.3	--
C.V. %	8.2	10.2	13.3	--
LSD .05	NS	NS	3.5	--
LSD .01	NS	NS	4.8	--

Planting Date: April 25, 2006

Harvest Date: August 4, 2006

Seeding Rate: 250,000 live seeds / acre

Previous Crop: 2004 = lentil, 2005 = hrww.

NS = no statistical difference between varieties.

2006 Field Pea Variety Trial – Continuously Cropped - No-till Scranton

Cooperators: Neal and Justin Freitag, Scranton

Variety	Plant Height	Test Weight	1000 Seed wt.	Grain Yield
	inches	Lbs/bu	grams	bu/ac
<i>Yellow Cotyledon</i>				
SW Midas	22	58.2	135	48.5
DS Admiral	23	57.8	146	37.7
Carneval	24	58.2	125	30.5
<i>Green Cotyledon</i>				
Cruiser	23	59.5	146	39.8
Majoret	21	61.1	162	34.2
CDC Striker	22	58.8	150	23.3
Trial Mean	23	58.9	144	35.7
C.V. %	8.0	3.8	7.5	9.0
LSD .05	NS	NS	16	4.9
LSD .01	NS	NS	23	6.7

Planting Date: April 24, 2006
Harvest Date: August 2, 2006
Seeding Rate: 250,000 live seeds / acre
Previous Crop: hrww
NS = no statistical difference between varieties.

2006 Field Pea Variety Trial – Continuously Cropped - No-till Regent

Cooperators: August and Perry Kirschmann, Regent

Variety	Plant Height	Test Weight	1000 Seed wt.	--- Grain Yield ---		
	inches	Lbs/bu	grams	2005	2006	Avg.
				----- bu/ac -----		
Yellow Cotyledon						
DS Admiral	18	55.8	137	35.9	33.1	34.5
SW Midas	17	55.8	108		37.8	
Carneval	18	57.4	136		30.4	
Green Cotyledon						
Majoret	19	59.4	160	46.2	38.0	42.1
Cruiser	17	59.1	155	40.5	35.6	38.0
CDC Striker	19	57.9	186		21.0	
Trial Mean	18	57.6	147	34.7	32.7	--
C.V. %	5.7	1.4	6.0	9.4	14.2	--
LSD .05	NS	1.2	13	4.9	7.0	--
LSD .01	NS	1.7	18	6.8	9.7	--

Planting Date: April 24, 2006

Harvest Date: July 31, 2006

Seeding Rate: 250,000 live seeds / acre

Previous Crop: hrww

NS = no statistical difference between varieties.

2006 Field Pea Variety Trial at Wilton

Cooperator: Legume Logic

Variety	Type	1000 Seed wt	Test Weight	Seed Yield		
				2004	2006	2yr Avg.
	*	grams	lbs/bu	-- Bushels per Acre --		
CDC Mozart	Y	188	63.6	80.9	64.9	72.9
Carneval	Y	169	60.0	76.6	57.3	67.0
SW Circus	Y	173	60.6	72.0	60.4	66.2
SW Salute	Y	175	60.3	82.0	49.6	65.8
SW Marquee	Y	171	61.9	79.4	50.7	65.0
SW Midas	Y	174	63.0	75.9	52.7	64.3
Majoret	G	184	63.9	74.6	52.3	63.4
DS Admiral	Y	203	61.8	69.2	56.5	62.8
Nitouche	G	203	59.6	72.4	50.4	61.4
Cruiser	G	179	63.0	64.9	51.0	58.0
Lasso	Y	196	61.3		64.4	
Eclipse	Y	214	63.2		56.6	
Aragorn	G	187	63.3		51.5	
AP-18	G	185	62.8		50.4	
Orka	MF	329	62.4		50.1	
Miami	Y	191	62.2		49.5	
K2	G	188	63.8		48.2	
Trial Mean		196	62.0	73.6	54.1	--
C.V. %		3.2	1.1	7.5	11.1	--
LSD .05		9	0.9	7.7	8.4	--
LSD .01		11	1.2	10.2	11.1	--

* Type: Y = yellow, G = green, MF = marrow fat.

Planting Date: April 25, 2006

Harvest Date: August 1, 2006

Seeding Rate: 300,000 live seeds/A

Previous Crop: 2003 = triticale, 2005 = hrsw.

Field Peas in the West River Region Combined Means

Variety	Plant Height	Test Weight	1000 Seed wt.	---- Seed Yield ----		
	inches	lbs/bu	grams	2005	2006	Avg.
				----- bu/Ac -----		
Yellow Cotyledon						
DS Admiral	18	59.7	168	43.2	41.1	42.2
SW Midas	17	59.0	139		39.6	
Carneval	18	58.5	143		33.9	
Green Cotyledon						
Majoret	18	62.0	173	44.9	37.9	41.4
Cruiser	18	61.1	161	37.2	39.2	38.2
CDC Striker	18	60.2	181		26.7	
# of Locations*	4	4	4	5	5	10

* Locations: 2006 = Hettinger, Scranton, Regent, Selfridge & Wilton.
 2005 = Hettinger, Regent, Selfridge, New Leipzig & Wilton.