

2004 Field Pea Variety Trial - Continuously Cropped No-till

Hettinger

Variety	Seed Type	Date of 10% Bloom	Plant Ht at Harvest	Lodg.	1000 Seed wt	Yield			Avg. Yield	
						2002	2003	2004	2 yr	3 yr
	**	June	Inches	0-9*	grams	----- Bu/ac -----				
Cruiser	G	16	15	1.2	197	8.1	38.4	29.2	38.8	28.6
Carneval	Y	18	15	0.2	219	5.9	36.1	40.2	38.2	27.4
CDC Mozart	Y	17	12	2.2	226	6.5	41.2	29.2	35.2	25.6
DS Admiral	Y	17	15	0.0	236		39.6	29.8	24.7	
Majoret	G	17	14	0.2	212		35.4	33.7	34.6	
Nitouche	G	15	16	0.5	272			42.6		
Toledo	G	14	15	1.8	256			34.4		
Eclipse	Y	17	12	0.0	264			21.2		
Stirling	G	13	12	0.5	216			20.0		
Trial Mean		16	14	0.8	233	6.5	38.8	32.3	--	--
C.V. %		0.1	6.4	86.0	4.1	27.3	6.3	6.7	--	--
LSD .05		1	1	0.9	14	NS	3.7	3.1	--	--
LSD .01		1	2	1.3	19	NS	5.1	4.3	--	--

*Lodging: 0 = none, 9 = lying flat on ground.

**Seed Type: G = green, Y = yellow.

NS = no statistical difference between varieties.

Planting Date: April 8, 2004

Harvest Date: August 18, 2004

Seeding rate: 250,000 live seeds/A

Previous Crop: 2001 = fallow, 2002 & 2003 = barley

Notes: The 2002 trial sustained severe heat and moisture stress. The 2004 trial sustained a hard frost (25° F) on June 18 causing blossoms to abort.

2004 Field Pea Variety Trial – Continuously Cropped No-till Wilton

Variety	Seed Type	Test Weight	1000 Seed wt	Grain Yield
	*	lbs/bu	grams	bu/A
SW Salute	Y	64.5	240	82.0
CDC Mozart	Y	63.7	254	80.9
SW Marquee	Y	64.0	209	79.4
Carneval	Y	63.8	218	76.6
SW Midas	Y	64.0	224	75.9
Majoret	G	63.6	224	74.6
Integra	Y	63.6	265	72.7
Nitouche	G	63.5	266	72.4
Stirling	G	63.6	231	72.3
SW Circus	Y	64.5	214	72.0
DS Admiral	Y	64.5	246	69.2
Cruiser	G	63.7	210	64.9
Journey	F	62.2	201	61.0
Trial Mean		63.6	247	73.6
C.V. %		1.1	3.3	7.5
LSD .05		1.0	11	7.7
LSD .01		1.3	15	10.2

*Seed Type: G = Green, Y = Yellow, F = Forage

Planting Date: May 5, 2004 Harvest Date: August 19, 2004
 Seeding rate: 250,000 live seeds/A Previous Crop: Spring Triticale

**2004 CDC Field Pea Variety Trial at Hettinger
Continuously Cropped No-till**

Variety	Date of 10% Bloom	Plant Ht at Harvest	Lodg.	1000 Seed wt grams	Yield Bu/A
	June	Inches	0-9*	grams	Bu/A
CDC Sonata	22	17	7.2	253	55.9
CDC Minuet	26	15	1.2	188	48.2
CDC Bronco	27	13	2.0	192	42.1
CDC Handel	21	13	2.2	202	38.7
CDC Cutlass	22	15	2.5	218	36.5
CDC Striker	25	15	0.5	248	34.5
CDC Montero	22	15	2.2	216	33.8
CDC Golden	22	15	1.0	240	30.3
Trial Mean	23	15	2.4	220	40.0
C.V. %	4.7	8.4	35.0	3.4	6.9
LSD .05	2	2	1.2	11	4.1
LSD .01	2	3	1.7	15	5.5

*Lodging: 0 = none, 9 = lying flat on ground.

Planting Date: April 15, 2004

Harvest Date: August 18, 2004

Seeding rate: 250,000 live seeds/A

Previous Crop: barley

Notes: CDC Striker appeared to be less frost tolerant.