

2002 Field Pea Variety Trial - Continuously Cropped No-till Hettinger

Variety	Seed Type	Days to First Flower	Days to Last Flower	Days to Matur.	Plant Ht. at Harvest	1000 Seed Weight	Yield			Average Yield	
							1999	2000	2002	2 year	3 year
		*				inches	grams	bu/ac			
Atomic	G	62	70	85	12	196	65.7	47.0	5.8	26.4	39.5
Toledo	G	60	68	81	12	167	59.9	36.8	6.4	21.6	34.4
Carneval	Y	63	70	82	15	177	56.2	30.2	5.9	18.0	30.8
CDC Mozart	Y	62	69	82	10	157		50.0	6.5	28.2	
Integra	Y	62	68	81	13	159		38.8	5.3	22.0	
Crusier	G	60	69	79	13	166			8.1		
DS-49543	G	60	69	82	13	182			7.6		
SW Salute	Y	62	69	81	14	150			7.5		
Scuba	G	60	68	79	12	159			5.3		
Trial Mean		61	69	81	13	168	58.8	35.3	6.5	--	--
C.V. %		0.5	0.8	0.7	9.3	21.7	10.1	11.4	27.3	--	--
LSD .05		1	1	1	2	ns	8.6	5.7	ns	--	--
LSD .01		1	1	1	2	ns	ns	7.7	ns	--	--

*Seed Type: Y = Yellow, G = Green.
 Planting Date: April 23, 2002
 Harvest Date: July 19, 2002
 Seeding Rate: 250,000 live seeds/acre
 Previous Crop: 1998 = HRSW, 1999 = Field Pea, 2001 = Fallow
 Notes: The 2002 trial sustained severe heat and moisture stress.

2002 Field Pea Variety Trial Mandan

Variety	Seed Type	Plant Ht. at Harvest	Lodging	Test Weight	1000 Kernel Weight	Grain Yield
		inches	0-9*	lbs/bu	grams	bu/A
SW Salute	Yellow	17	1.0	62.3	222	19.6
SWA 5122	Yellow	19	1.2	61.2	201	19.4
Crusier	Green	16	2.2	62.0	210	16.5
SWA 5099	Yellow	17	1.5	61.7	234	15.4

Circus	Yellow	18	1.2	62.6	223	14.8
Toledo	Green	17	2.2	60.8	253	14.0
SWA 5111	Yellow	18	1.5	58.8	199	11.7
SWA 5097	Yellow	18	1.5	60.8	240	11.2
Integra	Yellow	19	2.5	60.4	253	11.0
SWA 5095	Yellow	17	2.2	62.5	250	10.9
Majoret	Green	17	1.2	64.0	242	10.7
Carneval	Yellow	19	1.2	55.1	228	10.4
SW 995877	Yellow	16	3.0	62.9	221	9.8
Trial Mean		17	1.8	61.2	229	13.5
C.V. %		8.1	36.0	3.9	6.0	27.6
LSD .05		2	0.9	ns	20	5.3
LSD .01		ns	1.2	ns	26	7.2

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

Planting Date: April 25

Harvest Date: July 31

Seeding Rate: 250,000 live seeds/acre

Previous Crop: HRSW

Notes: The trial sustained severe heat and moisture stress during flowering resulting in poor seed set.