

2004 Flax Variety Trial - Continuously Cropped - No-till

Hettinger

Variety	Plant Stand*	Plant Height	Test Weight	---- Grain Yield ----			Average Yield	
	%	inches	Lbs/bu	2002	2003	2004	2 yr	3 yr
	----- Bushels per acre -----							
CDC Arras	60	18	52.8	6.6	21.6	19.9	20.8	16.0
York	38	19	49.7	5.2	24.8	17.5	21.2	15.8
Selby	46	19	51.2	5.7	24.0	16.2	20.1	15.3
AC Watson	38	19	50.0	4.8	25.7	15.2	20.4	15.2
CDC Bethume	55	19	50.0	5.6	20.5	18.6	19.6	14.9
Cathay	55	19	49.5	5.3	19.5	19.5	19.5	14.8
AC Carnduff	62	18	51.2	6.6	19.0	18.9	19.0	14.8
Webster	58	20	51.6	5.8	17.9	19.9	18.9	14.5
Nekoma	51	18	51.1	4.6	19.7	16.6	18.2	13.6
Pembina	39	19	51.2	5.8	19.2	14.9	17.0	13.3
Neche	22	19	50.3	4.5	17.6	13.7	15.6	11.9
Rahab 94	18	18	--	5.0	17.1	9.6	13.4	10.6
Omega**	7	19	--	2.9	20.2	5.4	12.8	9.5
Prairie Blue	44	19	51.1		26.8	16.9	21.8	
CDC Mons	45	18	50.7		20.0	18.8	19.4	
Hanley	42	18	52.3		19.5	17.0	18.2	
Carter**	45	18	52.4		19.8	16.1	18.0	
Trial Mean	43	19	51.0	5.2	20.6	16.2	--	--
C.V. %	41.5	8.2	2.0	15.2	11.8	27.8	--	--
LSD .05	25	NS	1.5	1.1	4.0	6.4	--	--
LSD .01	34	NS	NS	1.5	5.4	8.5	--	--

Planting Date: April 8, 2004

Harvest Date: August 23, 2004

Seeding Rate: 32 lbs / acre.

Previous Crop: 2001& 2002 = barley, 2003 = hrsw.

*Visual estimation of plant stand on June 1.

**Yellow seed type.

NS = no statistical difference between varieties.

Notes: The 2002 trial sustained severe heat and moisture stress. The 2003 trial sustained moderate heat and moisture stress. The 2004 trial sustained hard frosts on May 13 (18° F) and on May 14 (16° F) causing stand loss.