

**2005 Oat Variety Trial – Continuously Cropped No-till**

**Hettinger**

Variety	Days to Head	Plant Height	Lodging	Test Weight	---- Grain Yield ----			Average Yield	
					2003	2004	2005	2 yr	3 yr
		inches	0 – 9*	Lbs/bu	----- Bushels per acre -----				
Sesqui	85	34	3.5	31.4	78.1	83.9	87.7	85.8	83.2
Killdeer	82	33	6.0	30.2	72.4	84.4	89.3	86.8	82.0
CDC Pacer	85	34	3.8	27.7	66.8	88.0	85.3	86.6	80.0
HiFi	82	32	7.0	31.4	65.1	74.9	98.1	86.5	79.4
Monida	85	35	6.5	24.2	73.4	82.2	79.9	81.0	78.5
Beach	82	36	4.0	33.4	72.3	74.2	87.5	80.8	78.0
AC Pinnacle	88	35	5.0	27.6	69.2	83.5	81.0	82.2	77.9
Youngs	84	34	4.0	27.6	66.1	82.6	82.7	82.6	77.1
Otana	84	35	3.5	28.2	68.7	78.6	82.3	80.4	76.5
Jerry	80	35	3.8	33.4	76.2	67.7	84.9	76.3	76.3
AC Assiniboia	84	37	5.0	31.1	67.4	75.4	83.1	79.2	75.3
Hyttest	81	36	3.5	35.9	71.1	63.0	91.2	77.1	75.1
AC Kaufman	85	36	5.0	29.6	66.9	77.8	77.9	77.8	74.2
Ebeltoft	85	32	2.2	27.5	63.5	74.7	82.8	78.8	73.7
Morton	84	35	5.8	29.2	69.0	75.2	76.0	75.6	73.4
AC Ronald	87	35	2.8	32.1	68.7	63.4	87.2	75.3	73.1
Buff**	80	32	1.2	39.9	44.9	61.1	78.5	69.8	61.5
Stark**	87	34	4.0	33.4	36.9	61.7	59.2	60.4	52.6
Paul**	88	36	3.8	35.1	33.7	56.6	44.8	50.7	45.0
Maida	83	35	4.8	31.3		70.0	77.7	73.8	
CDC Dancer	84	33	4.2	30.4		68.2	74.2	71.2	
AC Gwen**	86	36	5.5	30.5		60.1	46.2	53.2	
Weaver	87	35	4.2	28.9			87.1		
Trial Mean	84	35	4.4	30.9	67.2	74.6	82.2	--	--
C.V. %	1.3	9.2	58.5	4.5	8.3	10.4	10.4	--	--
LSD .05	2	NS	NS	1.9	7.8	10.9	12.0	--	--
LSD .01	2	NS	NS	2.5	10.3	14.4	15.8	--	--

\* Naked (hulless) type.

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

NS = no statistical difference between varieties.

Planting Date: April 4, 2005

Harvest Date: August 2, 2005

Seeding Rate: 750,000 live seeds / acre (approx. 1.7 bu/A).

Previous Crop: soybean.

Notes: The 2003 and 2005 trials sustained late season heat and moisture stress.

The 2004 trial sustained hard frosts in May and June.

**2005 Oat Variety Trial - Continuously Cropped - No-till Selfridge**

Cooperator: Dale Hepper, Selfridge

Variety	Plant	Test	----- Grain Yield -----			Average Yield		
	Height	Weight	2001	2004	2005	2 yr	3 yr	
	inches	Lbs/bu	----- Bushels per acre -----					
Killdeer	37	32.9	104.4	104.0	110.2	107.1	106.2	
Morton	45	33.0	111.7	105.4	97.7	101.6	104.9	
Beach	43	34.3		110.4	92.3	101.4		
Sesqui	40	34.0			107.5			
Maida	42	34.4			101.0			
Trial Mean	41	33.8	119.4	100.0	101.4	--	--	
C.V. %	4.3	2.2	17.0	8.2	8.4	--	--	
LSD .05	3	1.1	NS	NS	NS	--	--	
LSD .01	4	NS	NS	NS	NS	--	--	

Planting Date: April 14, 2005

Harvest Date: August 15, 2005

Seeding Rate: 750,000 live seeds / acre (approx. 1.7 bu/A).

Previous Crop: Lentil

NS = no statistical difference between varieties.