

2002 Oats in the West River Region Combined Means

Variety	Days to Head	Plant Height	Seeds / Pound	Test Weight	Grain Yield			Average Yield	
					2000	2001	2002	2 year	3 year
		inches		lbs/bu	----- bu/ac -----				
Ebeltoft	78	24	15,927	28.8	113.7	106.7	56.6	81.6	92.3
Killdeer	74	23	15,074	31.9	115.0	108.8	53.4	81.1	92.4
Youngs	77	28	14,570	29.3	110.1	106.9	52.0	79.4	89.7
HiFi	77	28	13,207	32.9		116.3	55.8	86.0	
Morton	77	27	14,084	31.8		115.9	50.7	83.3	
# of locations	2	5	3	6	10	11	6	17	27

Locations: 2002 = Hettinger, Dickinson, Scranton, Regent, Beulah & Glen Ullin.

2001 = Dickinson, Scranton, Regent, Selfridge, New Leipzig, Mandan, Beulah, Glen Ullin, Hannover, Wibaux MT, and Bison SD.

2000 = Dickinson, Hettinger, Regent, Selfridge, New Leipzig, Mandan, Beulah, Glen Ullin, Hannover and Wibaux MT.

2002 Oats - Continuously Cropped No-till Hettinger

Variety	Days to head	Plant Height	Test Weight	----- Grain Yield -----			Average Yield	
				1999	2000	2002	2 year	3 year
		inches	lbs/bu	----- bu/ac -----				
Killdeer	76	21	31.2	155.3	108.2	38.8	73.5	100.8
Ebeltoft	79	22	30.0	151.7	109.7	34.2	72.0	98.5
Monida	80	23	28.6	142.8	95.9	42.5	69.2	93.7
Otana	78	25	32.5	131.0	100.6	39.2	69.9	90.3
Jerry	75	24	34.7	137.2	90.8	41.0	65.9	89.7
Youngs	78	25	31.6	139.6	90.4	34.4	62.4	88.1
HiFi	78	24	31.2	139.9	91.0	31.3	61.2	87.4
AC Assiniboia	78	24	30.0	127.7	93.9	34.2	64.0	85.3
AC Medallion	78	24	33.2	116.4	91.5	30.4	61.0	79.4
Morton	78	23	31.5	125.3	79.7	30.4	55.0	78.5
CDC Pacer	77	24	28.2	114.0	84.2	37.3	60.8	78.5
Triple Crown	81	24	25.1	124.4	92.8	12.9	52.8	76.7
CDC Boyer	78	27	31.4	108.4	78.3	41.5	59.9	76.1
Hyttest	76	25	35.4	94.4	65.1	33.3	49.2	64.3
Paul*	80	25	39.5	70.7	55.8	16.7	36.2	47.7

Loyal	78	25	30.9	97.9	43.3	70.6		
Wabasha	74	24	33.1		40.6			
Sesqui	78	22	31.6		39.4			
Vista	76	26	31.9		30.6			
Reeves	72	26	35.2		29.6			
Buff*	72	23	39.5		24.8			
Trial Mean	77	24	32.4	128.4	91.2	35.6	--	--
C.V. %	0.9	5.6	2.3	11.8	10.5	17.4	--	--
LSD .05	1	2	1.1	21.3	13.5	8.7	--	--
LSD .01	1	3	1.4	28.2	17.9	11.6	--	--

* = Naked (hulless) type.

Planting Date: April 12, 2002

Harvest Date: July 30, 2002

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

Previous Crop: 1998 & 99 = soybean, 2001 = barley.

Note: The 2002 trial sustained severe heat and moisture stress.

2002 Oats - Continuously Cropped No-till Regent

Variety	Test Weight lbs/bu	----- Grain Yield -----			Average Yield	
		2000	2001	2002	2 year year	3 year year
		-----bu/ac-----				
Killdeer	33.2	130.4	124.0	53.5	88.8	102.6
Youngs	32.2	127.1	111.5	50.2	80.8	96.3
Ebeltoft	32.2	118.3	108.9	51.5	80.2	92.9
Morton	34.5		130.2	54.0	92.1	
HiFi	33.5		104.7	51.3	78.0	
Trial Mean	33.8	111.5	113.9	48.1	--	--
C.V. %	2.9	5.6	15.8	15.1	--	--
LSD .05	1.5	15.3	NS	10.9	--	--
LSD .01	2.0	23.2	NS	14.9	--	--

Planting Date: April 16, 2002

Harvest Date: August 1, 2002

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

Previous Crop: 1999 = HRWW, 2000 = safflower, 2001 = lentil.

NS = no statistical difference between varieties.

2002 Oats - Continuously Cropped No-till Scranton

Variety	Plant Height	Test Weight	----- Grain Yield -----			Average Yield	
			1999	2001	2002	2 year	3 year
	inches	lbs/bu	-----bu/ac-----				
Ebeltoft	27	34.9	67.3	117.2	85.0	101.1	89.8
Youngs	33	35.1	71.0	109.8	70.6	90.2	83.8
Killdeer	27	35.7		130.4	80.3	105.4	
HiFi	31	34.6		117.2	77.1	97.2	
Morton	31	37.8		118.7	73.9	96.3	
Trial Mean	31	36.7	55.9	118.0	75.3	--	--
C.V. %	6.5	2.3	14.9	11.4	9.9	--	--
LSD .05	3	1.2	NS	NS	11.2	--	--
LSD .01	4	1.7	NS	NS	NS	--	--

Planting Date: April 16, 2002
Harvest Date: August 14, 2002
Seeding rate: 750,000 live seeds/A (approx. 1.7 bu/A).
Previous Crop: 1998 = fallow, 2000 = safflower, 2001 = lentil.
NS = no statistical difference between varieties.