

Table 22. 1986 Dickinson Oats Variety Trial

Variety	Bu/A Avg.	Test Wt. Lbs.	Heading Date	Height In.
ND 820559	128.4	34.5	26-Jun	31
Monida	126.8	36.0	29-Jun	32
ND 820603	126.3	36.5	25-Jun	25
ND 810104	124.8	36.0	23-Jun	28
ND 830645	124.3	37.0	25-Jun	32
ND 820744	122.7	36.0	25-Jun	30
ND 820742	120.7	36.5	25-Jun	26
Menominee	120.7	36.5	28-Jun	31
ND 820294	120.7	34.5	25-Jun	28
Dumont	116.5	35.5	27-Jun	32
ND 810917	116.0	35.0	26-Jun	26
ND 820877	115.0	33.5	26-Jun	32
Porter	114.0	36.0	27-Jun	29
Riel	112.4	36.0	25-Jun	31
Sandy	111.9	36.5	25-Jun	34
Moore	109.3	37.0	26-Jun	34
ND 821534	108.8	31.0	28-Jun	32
Steele	106.2	35.0	24-Jun	30
Kelsey	105.2	35.0	24-Jun	31
Otana	101.6	37.5	26-Jun	33
Proat	100.0	34.0	28-Jun	28
Border	100.0	33.5	30-Jun	26
Hyttest	99.5	39.0	23-Jun	30
Don	86.6	37.0	20-Jun	24
Seeding Rate:	1.5 bu./ac.			
Seeding Date:	April 22			
Fertilizer Applied:	50 lbs./ac. 18-46-0			
Herbicide Applied:	Buctril			
L.S.D. 5% =	15.5	C.V. =	9.6%	

Table 23. Long Term Yield Comparison – Oats

Variety	Yield in Bushels per Acre					5 Year Average
	1982	1983	1984	1985	1986	
Otana	103.7	107.9	56.8	81.3	101.6	90.3
Kelsey	103.7	113.5	61.8	90.4	105.2	94.9
Porter	92.0	99.7	56.7	73.2	120.7	88.5
Steel	103.7	94.9	56.8	81.2	114.0	90.1
Dumont		105.9	61.6	76.4	106.2	87.5
Border		119.6	65.6	82.9	116.5	96.2
LSD @ 5%	8.9	8.0	6.9	7.3	15.5	3.1

Table 24. 1986 Dickinson Off-Station Oat Variety Trials

Variety	Dickinson	Beulah	Manning	Average 3-Sites	Average 7-Sites
Bushels per Acre					
Monida	126.8	117.0	89.2	111.0	99.8
Otana	101.6	121.2	96.9	106.6	92.1
Porter	114.0	112.4	90.2	105.5	90.8
Riel	112.4	109.3	101.1	107.6	92.8
Steele	106.2	111.4	82.0	99.9	85.4
ND 810104	124.8	88.2	73.2	95.4	87.2
Test Weight per Bushel					
Monida	36.0	32.0	32.0	33.3	35.8
Otana	37.5	37.0	35.5	36.7	38.0
Porter	36.0	37.0	35.5	36.2	37.2
Riel	36.0	35.5	35.0	35.5	37.1
Steele	35.0	32.5	32.5	33.3	35.1
ND 810104	36.0	33.0	33.0	34.0	34.9
Seeding Date:	May 22	May 14	May 1		
Harvest Date:		Aug. 19	Aug. 18		
L.S.D. 5%:	15.5	18.1	9.2	14.7	
C.V.%:	9.6	15.4	7.4		
Fertilizer Applied: According to Soil Test at each site.					
Herbicide Applied: Buctril					
Seeding Rate: 1.5 bu./ac.					

Table 25. Hettinger Off-Station Oat Variety Trials

Variety	Hettinger	Regent	Flasher	Thunderhawk	Scranton	Average 4-Sites
Bushels per Acre						
Monida	91.5	125.5	102.8	145.2	lost	116.3
Otana	80.5	115.4	85.6	135.9	to	104.4
Porter	87.1	110.1	72.1	140.2	heavy	102.4
Riel	90.2	107.5	84.4	137.4	wild	104.9
Steele	83.6	106.5	79.2	114.3	oat	95.9
ND 810104	70.3	120.4	75.1	145.5	infestation	102.8
Test Weight per Bushel						
Monida	36.4	37.7	39.9	36.4		37.6
Otana	37.8	39.4	40.1	38.5		39.0
Porter	36.3	37.6	37.8	40.1		38.0
Riel	37.3	38.5	37.7	39.6		38.3
Steele	36.1	36.4	35.0	38.2		36.4
ND 810104	34.9	35.8	34.3	37.6		35.7
Seeding Date: Apr. 21 Apr. 22 Apr. 23 Apr. 23						
Harvest Date: Aug. 14 Aug. 16 Aug. 17 Aug. 17						
L.S.D. 5%: NS 8.7 10.2 14.9						
C.V. %: 17.9 5.1 8.1 7.3						
Fertilizer Applied: According to Soil Test at each site.						
Herbicide Applied: Buctril						
Seeding Rate: 1.5 bu./ac.						

Table 26. 1986 Dickinson Oats Small Plot Trial

Variety	Bu/A Avg.	Test Wt. Lbs.
Dumont	112.8	36.0
ND 820603	111.2	37.5
Riel	109.0	36.5
ND 810917	108.9	35.5
ND 820744	104.5	38.0
ND 820877	102.5	36.0
Monida	101.9	31.0
Border	101.0	32.0
ND 810104	100.6	34.5
ND 830645	100.4	36.0
ND 820742	100.4	34.0
ND 820559	98.2	35.5
ND 820294	96.0	34.0
Steele	94.4	35.0
Kelsey	94.1	32.5
ND 821534	93.4	34.0
Menominee	92.1	33.0
Otana	90.9	34.0
Proat	89.7	34.5
Don	84.1	34.0
Porter	82.1	36.0
Moore	77.1	35.5
Hystest	73.0	38.0
Sandy	70.3	35.5
Seeding Rate: 1.5 bu./ac.		
Seeding Date: May 15		Harvest Date: Aug. 26
Herbicide Applied: Buctril		
L.S.D. 5% = 13.3%		C.V. = 14.0%