

North Dakota State University * Dickinson Research Extension Center

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Table 20. 1985 Dickinson On-Station Oats Variety Trials		
Variety	Bushels per acre	Test weight lbs./bu.
ND 810106	99.0	34.5
ND 810104	98.5	34.5
ND 820603	91.5	35.5
ND 78355	91.5	36.5
Kelsey	90.4	36.0
W 80474	89.3	36.5
Border	88.8	30.5
ND 810665	87.7	35.5
Moore	85.6	33.5
Monida	85.0	32.0
ND 810917	83.9	35.0
Dumont	82.9	35.5
Otana	81.3	35.0
Porter	81.2	35.0
ND 78373	78.5	36.0

Pierce	77.5	36.5
Steele	76.4	35.0
Proat	74.8	34.0
Menominee	73.2	32.5
Highest	99.0	36.5
Lowest	73.2	30.5
C.V. %	8.6	
Lsd @5%	7.3	
Seeding Rate: (approx. 1.5 bu./acre); Seeding Date: April 18; Fertilizer Applied: 50 lbs. 18-46-0; Yield Goal: 80 bu./acre; Herbicide Applied: Buctril; Harvest Date: August 5		

Table 21. Long Term Yield Comparison - Oats						
Variety	Yield in bushels per acre					
	1981	1982	1983	1984	1985	5-yr. Avg.
Otana	60.0	103.7	107.9	56.8	81.3	81.9
Kelsey	55.2	103.7	113.5	61.8	90.4	84.9
Menominee	48.4	92.0	99.7	56.7	73.2	74.0
Pierce		96.8	105.2	58.4	77.5	

Porter		103.7	94.9	56.8	81.2	
Steele			105.9	61.6	76.4	
Dumont			119.6	65.6	82.9	
Border			114.1	71.2	88.8	
Lsd @ 5%	6.6	8.9	8.0	6.9	7.3	.74

Table 22. 1985 Dickinson Off-Station Oat Variety Trials							
Variety	Dickinson	Beach	Beulah	Glen Ullin	Hannover	Manning	6-Sites
	Bushels per acre						
Border	88.8	19.0	76.6	88.2	88.2	69.8	71.8
Dumont	82.9	21.9	78.6	90.8	94.2	67.2	72.6
Monida	85.0	26.6	84.9	94.3	91.5	71.5	75.6
Otana	81.3	23.2	75.9	87.8	94.9	69.4	72.1
Porter	81.2	25.9	81.4	96.4	105.3	75.6	77.6
Steele	76.4	22.5	74.6	91.7	82.4	69.4	69.5
LSD @ 5%	7.3	4.6	6.7	5.2	6.0	6.1	5.9

CV %	8.6	15.3	6.6	11.8	5.1	6.1	
Test Weight lbs./bu.							
Border	30.5	30.0	31.0	33.0	32.0	30.5	31.2
Dumont	35.5	35.5	36.5	38.5	37.5	36.5	36.7
Monida	32.0	31.0	36.0	35.5	34.5	32.0	33.5
Otana	35.0	32.5	38.0	37.5	37.0	36.5	36.1
Porter	35.0	33.0	37.0	37.5	37.5	37.0	36.2
Steele	35.0	34.5	36.5	37.0	36.0	35.5	35.8
Seeding Date	4-18	5-1	4-29	4-30	4-26	4-19	
Harvest Date	8-05	8-14	8-15	8-19	8-20	8-09	
Seeding Rate: (approx. 1.5 bu./acre); Yield Goal: 80 bu./acre; Fertilizer Applied: Based on soil test at each site.; Herbicide Applied: Buctril.							

Table 23. 1985 Hettinger and Off-Station Oat Variety Trials.							
Variety	Bushels per Acre						
	Hettinger	Regent	Flasher	Thunderhawk	Scranton	Average 5 Sites	Average 11 Sties

Border	61.0	76.4	74.7	64.8	96.1	74.6	73.1
Dumont	54.9	62.5	61.8	54.1	80.9	62.8	68.2
Monida	52.6	67.7	67.2	67.3	106.4	72.2	74.1
Otana	64.6	75.9	70.7	68.5	91.8	74.3	73.1
Porter	56.1	69.9	70.7	71.8	92.7	72.2	75.2
Steele	49.6	57.9	56.6	50.9	68.0	56.6	63.6
Kelsey	51.0	68.0	67.2	52.4	87.2	65.2	
Proat	54.4	64.8	62.5	43.9	76.7	60.3	
Pierce	44.2	64.0	57.1	44.2	81.4	58.2	
LSD @ 5%	11.0	7.5	8.4	5.6	11.7	9.1	7.6
CV %	13.9	7.6	8.8	6.6	9.2		
Seeding Date	April 17	April 18	April 19	April 19	April 18		
Harvest Date	Aug. 7	Aug. 5	Aug. 6	Aug.5	Aug. 19		
Test Weight lbs./bu.							
Border	26.4	28.7	28.6	33.1	33.4	30.0	30.7
Dumont	31.6	35.1	35.5	38.5	37.0	35.5	36.2
Monida	28.2	29.8	30.9	35.1	33.0	31.4	32.5
Otana	29.5	33.2	33.6	38.7	36.5	34.3	35.3

Porter	29.4	33.8	33.5	38.5	37.1	34.5	35.4
Steele	31.7	35.4	34.8	37.4	36.5	35.2	35.5
Kelsey	30.5	32.7	34.2	37.4	36.0	34.2	
Proat	31.0	33.8	34.8	37.5	36.8	34.8	
Pierce	30.4	34.5	35.0	37.8	37.0	34.9	

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