North Dakota Flax Variety Trial Results for 2014 and Selection Guide

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This Selection Guide summarizes flax variety performance at the various North Dakota State University Research Extension Centers. Give special attention to yield results of those trials nearest to your production area when evaluating varieties in these trials. Also, attempt to view yield averages of several years rather than using only one year's data as a determining factor. In addition, also consider other agronomic characteristics, such as maturity, disease tolerance, lodging score and oil percentages, if available.

The agronomic data presented are from replicated research plots using experimental designs that enable the use of statistical analysis. The LSD (Least Significant Difference) numbers beneath the columns in tables are derived from the statistical analyses and only apply to the numbers in the column in which they appear. If the difference between two varieties exceeds the LSD value, it means that with 90 percent probability (LSD 0.10) the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar. The abbreviation NS is used to indicate "no significant difference" for that trait among any of the varieties.

The CV is a measure of variability in the trial. The CV stands for coefficient of variation and is expressed as a percentage. Large CVs mean a large amount of variation that could not be attributed to differences in the varieties. In the tables, the mean indicates the average of the observations in the column. Only compare values within the table and look for trends for the desired trait among different experimental sites and years.

Gold ND is a new flax variety released by NDSU in 2014. It is a yellow-seeded flax that is adapted to the north-central flax growing region of the United States. Gold ND has very high yield potential, good oil content and oil drying quality. It is resistant to flax rust and has good tolerance to flax wilt. The variety has blue flowers and medium seed size.

Oil content and harvested seed yield were adjusted to 9 percent moisture. In the table headings (Table 6-10) the lead scientists are acknowledged. Presentation of data for the varieties tested does not imply approval or endorsement by the authors or agencies conducting the tests. NDSU approves the reproduction of any table in this publication only if no portion is deleted, appropriate footnotes are given, the order of the data is not rearranged and NDSU is credited for the data. Research specialists and technicians helped with the field work and data compilation. The assistance given by many secretaries in typing respective portions of the document is very much appreciated. A special thank you goes to Lisa Johnson, Extension Plant Sciences secretary, for assisting in the compilation of this publication.

Table 1. 2014 North Dakota Flax Variety Descriptions.

Variety[1]	Origin[2]	Year Released	Relative Maturity	Seed Color	Plant Height	Wilt[3]
Carter	ND	2004	Med.	Yellow	Med.	MS/MR
Cathay	ND	1998	Med.	Brown	Med.	MR
CDC Arras	Can.	1999	Med.	Brown	Med.	MR
CDC Bethune	Can.	1999	Med.late	Brown	Med.tall	MR
CDC Glas	Can.	2012	Med.	Brown	Med.tall	MR
CDC Mons	Can.	2003	Med.late	Brown	Med.	MR
CDC Neela	Can.	2013	Med.late	Brown	Med.	MR
CDC Sanctuary	Can.	2012	Med.	Brown	Med.tall	MR
CDC Sorrel	Can.	2007	Med.late	Brown	Med.tall	MR
Gold ND	ND	2014	Med.	Yellow	Med.tall	MR/R
Hanley	Can.	2002	Med.early	Brown	Med.	R
Lightning	Can.	2002	Late	Brown	Med.tall	R
Linott	Can.	1966	Med.early	Brown	Med.	MS/MR
McGregor	Can.	1980	Late	Brown	Med.tall	MR
Neche	ND	1988	Med.	Brown	Med.	MR/R
Nekoma	ND	2002	Late	Brown	Med.	MR
Omega	ND	1989	Med.	Yellow	Med.	MS/MR
Pembina	ND	1998	Med.	Brown	Med.	MR
Prairie Blue	Can.	2003	Med.late	Brown	Med.tall	MR
Prairie Grande	Can.	2008	Med.early	Brown	Med.	MR
Prairie Sapphire	Can.	2012	Med.	Brown	Med.	MR
Prairie Thunder	Can.	2006	Med.	Brown	Short	MR
Rahab 94	SD	1994	Med.	Brown	Med.	MR
Selby	SD	2000	Late	Brown	Tall	MR
Shape	Can.	2010	Med.	Brown	Med.	R
Webster	SD	1998	Late	Brown	Tall	MR
York	ND	2002	Late	Brown	Med.	MR/R

[1] All varieties have resistance to prevalent races of rust; all have good oil yield and oil quality.

[2] Can. = Canada; ND = North Dakota State University; SD = South Dakota State University.

[3] R = resistant; MR = moderately resistant; MS = moderately susceptible.

Table 2. Plant Height of Flax Varieties at Five Locations in North Dakota, 2014.

Variety	Carrington	Langdon	Minot	Williston	Hettinger	Average N.D.
	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)
Carter[1]	28	25	29	21	25	26
CDC Arras	28	26	31	23	27	27
CDC Bethune	29	26	32	22	28	27
CDC Glas	29	26	29	21	25	26
CDC Neela	30	25	28	21	26	26
CDC Sanctuary	30	25	31	22	26	27
CDC Sorrel	31	27	31	24	28	28
Gold ND[1]	31	27	31	22	27	27
Hanley	26	25	31	22	27	26
Lightning	29	27	30	23	26	27
Neche	30	27	31	22	26	27
Nekoma	29	26	30	21	26	26
Omega[1]	27	25	28	22	26	26
Pembina	30	26	30	22	26	27
Prairie Blue	25	25	29	20	25	25
Prairie Grande	28	22	28	20	24	25
Prairie Sapphire	27	26	27	22	26	25
Prairie Thunder	27	27	31	22	26	27
Rahab 94	29	24	28	21	24	25
Shape	28	25	30	22	26	26
Webster	29	27	32	22	27	28
York	27	25	29	21	25	25
Mean	29	26	30	22	26	26
CV %	4.4	4.2	5.9	5.2	4.9	3.5
LSD 0.10	1.5	1.3	2.0	1.3	1.5	1.0

[1]Yellow seeded.

Table 3. Days to Flower of Flax Varieties at Five Locations in North Dakota, 2014.

Variety	Carrington	Langdon	Minot	Williston	Hettinger	Average N.D.
	(DAP)[2]	(DAP)[2]	(DAP)[2]	(DAP)[2]	(DAP)[2]	(DAP)[2]
Carter[1]	50	49	50	39	53	48
CDC Arras	52	49	50	38	53	48
CDC Bethune	49	48	51	36	53	47
CDC Glas	52	51	55	37	54	50
CDC Neela	52	52	55	40	53	50
CDC Sanctuary	51	52	51	38	54	49
CDC Sorrel	52	52	56	38	54	50
Gold ND[1]	53	50	54	39	55	50
Hanley	46	48	51	38	53	47
Lightning	51	48	51	35	54	48
Neche	51	48	51	37	54	48
Nekoma	50	48	52	34	53	47
Omega[1]	47	50	49	39	55	48
Pembina	52	51	54	37	53	49
Prairie Blue	44	49	51	36	54	47
Prairie Grande	51	47	48	35	53	47
Prairie Sapphire	46	51	49	39	54	48
Prairie Thunder	50	50	51	38	54	49
Rahab 94	51	48	51	35	53	48
Shape	48	49	49	39	54	48
Webster	53	50	53	39	54	50
York	51	48	50	34	54	47
Mean	50	49	51	37	54	48
CV %	1.3	2.2	1.2	3.8	1.0	3.3
LSD 0.10	0.8	1.3	1.0	1.7	0.6	1.7

[1]Yellow seeded.

[2]DAP = Days after planting.

Table 4. Yield of Flax Varieties at Five Locations in North Dakota, 2012-2014.

	Carrington		Langdon		Minot		Williston		Hettinger		Average N.D.	
Variety	**2014**	**3 Yr.**	**2014**	**3 Yr.**	**2014**	**3 Yr.**	**2014**	**3 Yr.**	**2014**	**3 Yr.**	**2014**	**3 Yr.**
	----(bu/a)----		----(bu/a)----		--(bu/a)--		---(bu/a)---		----(bu/a)---		----(bu/a)---	
Carter[1]	31.2	19.2	39.5	38.1	25.5	27.3	18.5	19.2	29.5	22.7	28.8	25.3
CDC Arras	29.7	18.5	39.6	37.8	22.2	23.6	18.8	18.7	30.3	24.4	28.1	24.6
CDC Bethune	33.2	20.0	39.2	36.6	23.8	22.9	18.2	17.4	30.4	24.7	29.0	24.3
CDC Glas	30.7	--	42.6	41.2	26.2	23.0	18.8	18.2	35.2	--	30.7	--
CDC Neela	34.1	--	38.6	--	21.8	--	18.1	--	37.6	--	30.0	--
CDC Sanctuary	29.2	20.4	38.2	37.5	24.8	26.6	18.5	18.7	35.6	--	29.3	--
CDC Sorrel	34.8	23.4	38.2	36.3	24.9	27.1	19.5	20.6	32.8	--	30.0	--
Gold ND[1]	30.7	20.5	37.4	38.2	26.0	26.0	19.6	19.3	32.8	--	29.3	26.0 [2]
Hanley	26.8	18.9	36.8	37.7	25.3	23.6	18.5	18.7	32.0	23.7	27.9	24.5
Lightning	29.7	19.7	37.9	37.5	24.8	25.4	19.3	18.7	31.8	22.6	28.7	24.8
Neche	33.0	21.0	38.4	36.9	25.5	29.3	20.6	19.7	30.3	--	29.6	--
Nekoma	31.3	22.2	38.3	36.7	22.1	27.9	20.0	18.6	32.8	24.9	28.9	26.0
Omega[1]	27.4	17.2	36.1	35.5	22.3	25.2	20.8	17.7	31.2	--	27.6	--
Pembina	32.2	19.9	38.2	36.4	15.1	26.7	16.7	17.2	31.5	24.4	26.7	24.9
Prairie Blue	26.2	16.9	39.8	36.4	18.4	23.5	20.3	19.0	34.4	26.2	27.8	24.4
Prairie Grande	29.8	19.2	34.8	32.8	21.5	23.9	17.5	17.5	32.8	25.7	27.3	23.8
Prairie Sapphire	27.9	19.0	38.3	40.3	20.1	23.9	17.4	17.8	33.7	26.8	27.5	25.5
Prairie Thunder	29.9	19.3	41.6	41.3	23.6	26.2	18.4	17.8	33.1	--	29.3	--
Rahab 94	32.8	22.1	39.6	35.5	25.2	28.7	19.5	18.8	34.4	--	30.3	--
Shape	30.4	18.9	37.9	40.0	24.2	25.1	17.5	17.1	33.2	--	28.6	--
Webster	34.2	21.2	38.9	39.6	23.9	26.2	16.2	17.2	31.7	24.7	29.0	25.8
York	34.9	20.2	38.0	37.4	23.7	21.9	18.9	19.1	31.7	27.5	29.4	25.2
Mean	30.9	19.9	38.5	37.6	23.2	25.4	18.7	18.4	32.7	24.9	28.8	24.9
CV %	12.4	--	7.9	--	12.5	--	14.5	--	10.0	--	7.0	6.2
LSD 0.10	4.5	--	NS	--	3.4	--	3.3	--	3.8	--	2.1	1.6

[1]Yellow seeded.

[2]Average Carrington, Langdon, Minot and Williston.

Table 5. Test Weight of Flax Varieties at Five Locations in North Dakota, 2014.

Variety	Carrington	Langdon	Minot	Williston	Hettinger	Average N.D.
	(lb/bu)	(lb/bu)	(lb/bu)	(lb/bu)	(lb/bu)	(lb/bu)
Carter[1]	54.6	52.1	52.1	52.6	55.2	53.3
CDC Arras	54.1	51.8	51.7	52.7	54.7	53.0
CDC Bethune	53.8	52.3	52.0	52.7	55.1	53.2
CDC Glas	54.3	51.2	51.1	50.7	53.2	52.1
CDC Neela	54.8	51.9	51.5	51.5	54.8	52.9
CDC Sanctuary	53.3	51.5	51.9	52.1	54.0	52.6
CDC Sorrel	54.1	51.8	52.0	52.2	54.5	52.9
Gold ND[1]	54.6	52.2	52.8	51.3	54.5	53.1
Hanley	52.7	52.0	51.9	52.8	54.4	52.7
Lightning	54.0	52.3	51.7	52.8	55.1	53.2
Neche	54.8	52.2	51.3	53.0	55.0	53.2
Nekoma	54.6	52.3	52.3	52.8	55.0	53.4
Omega[1]	54.1	52.4	52.4	53.0	55.1	53.4
Pembina	54.3	52.0	52.4	52.6	54.4	53.1
Prairie Blue	53.0	51.7	52.0	52.5	54.5	52.7
Prairie Grande	53.3	51.4	51.1	52.5	52.7	52.2
Prairie Sapphire	53.0	51.0	50.1	51.8	54.1	52.0
Prairie Thunder	54.4	52.0	51.8	52.9	54.7	53.1
Rahab 94	54.4	51.5	50.8	51.8	53.6	52.4
Shape	54.2	51.3	50.2	52.3	54.0	52.4
Webster	54.2	52.1	52.5	52.4	55.3	53.3
York	54.5	52.0	51.0	52.8	53.7	52.8
Mean	54.0	51.9	51.7	52.3	54.4	52.9
CV %	0.8	0.5	1.7	1.1	1.0	1.0
LSD 0.10	0.5	0.3	1.0	0.7	0.6	0.5

[1]Yellow seeded.

Table 6. 2014 Flax - Carrington - Authors, M. Ostlie, B. Schatz, K. Bjerke and L. Berg.

Variety	Days to Flower	Days to PM	Plant Height	Oil Content	Test Weight	Seed Yield		
						2014	2-yr. Avg.	3-yr. Avg.
	(DAP)[1]	(DAP)[1]	(inch)	(%)	(lb/bu)	----------(bu/a)----------		
Carter[2]	50	87	28	45.7	54.6	31.2	22.3	19.2
CDC Arras	52	88	28	44.6	54.1	29.7	20.5	18.5
CDC Bethune	49	87	29	44.6	53.8	33.2	23.0	20.0
CDC Glas	52	90	29	44.3	54.3	30.7	--	--
CDC Neela	52	85	30	45.6	53.9	34.1	--	--
CDC Sanctuary	51	88	30	44.8	53.3	29.2	22.3	20.4
CDC Sorrel	52	87	31	45.1	54.1	34.8	26.2	23.4
Gold ND[2]	53	88	31	45.6	54.6	30.7	21.9	20.5
Hanley	46	80	26	47.8	52.7	26.8	20.9	18.9
Lightning	51	88	29	44.3	54.0	29.7	21.1	19.7
Neche	51	87	30	44.1	54.8	33.0	23.1	21.0
Nekoma	50	87	29	44.8	54.6	31.3	24.1	22.2
Omega[2]	47	84	27	45.0	54.1	27.4	18.9	17.2
Pembina	52	86	30	44.4	54.3	32.2	22.8	19.9
Prairie Blue	44	79	25	45.8	53.0	26.2	17.4	16.9
Prairie Grande	51	86	28	45.6	53.3	29.8	21.7	19.2
Prairie Sapphire	46	82	27	46.9	53.0	27.9	20.6	19.0
Prairie Thunder	50	84	27	44.1	54.4	29.9	20.7	19.3
Rahab 94	51	87	29	44.6	53.9	32.8	24.1	22.1
Shape	48	84	28	44.1	54.2	30.4	21.2	18.9
Webster	53	88	29	44.5	54.2	34.2	24.0	21.2
York	51	89	27	43.7	54.5	34.9	24.4	20.2
Mean	50	86	29	45.0	54.0	30.8	22.1	20.0
CV %	1.3	1	4.4	0.8	0.8	12.4	--	--
LSD 0.10	0.8	1.1	1.5	0.4	0.5	4.5	--	--

Planted: May 21. Harvested: Sept. 15. Previous crop: spring wheat.

[1]DAP = Days after planting.

[2]Yellow seeded.

Table 7. 2014 Flax - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry.

Variety	Days to Flower	Plant Height	Test Weight	Seed Yield				
				2012	2013	2014	2-yr. Avg.	3-yr. Avg.
	(DAP)[1]	(inch)	(lb/bu)	----------(bu/a)----------				
Carter[2]	49	25	52.1	36.8	38.0	39.5	38.7	38.1
CDC Arras	49	26	51.8	33.4	40.4	39.6	40.0	37.8
CDC Bethune	48	26	52.3	32.0	38.5	39.2	38.8	36.6
CDC Glas	51	26	51.2	39.2	41.8	42.6	42.2	41.2
CDC Neela	52	25	51.9	--	--	38.6	--	--
CDC Sancturary	52	25	51.5	31.9	42.4	38.2	40.3	37.5
CDC Sorrel	52	27	51.8	33.3	37.5	38.2	37.8	36.3
Gold ND[2]	50	27	52.2	37.3	39.9	37.4	38.7	38.2
Hanley	48	25	52.0	35.4	40.9	36.8	38.8	37.7
Lightning	48	27	52.3	35.1	39.6	37.9	38.7	37.5
Linott	49	25	52.2	33.0	39.2	39.1	39.1	37.1
McGregor	49	25	51.7	34.4	36.7	40.2	38.4	37.1
Neche	48	27	52.2	32.9	39.5	38.4	38.9	36.9
Nekoma	48	26	52.3	34.4	37.5	38.3	37.9	36.7
Omega[2]	50	25	52.4	31.7	38.7	36.1	37.4	35.5
Pembina	51	26	52.0	33.2	37.7	38.2	38.0	36.4
Prairie Blue	49	25	51.7	35.4	34.0	39.8	36.9	36.4
Prairie Grande	47	22	51.4	33.0	30.5	34.8	32.7	32.8
Prairie Sapphire	51	26	51.0	36.0	46.6	38.3	42.5	40.3
Prairie Thunder	50	27	52.0	37.2	45.1	41.6	43.3	41.3
Rahab 94	48	24	51.5	34.6	32.3	39.6	36.0	35.5
Shape	49	25	51.3	36.9	45.2	37.9	41.5	40.0
Webster	50	27	52.1	35.3	44.6	38.9	41.7	39.6
York	48	25	52.0	35.2	38.9	38.0	38.4	37.4
Mean	50	26	51.9	34.7	40.0	38.7	39.0	37.6
CV %	2.2	4.2	0.5	6.8	10.6	7.9	--	--
LSD 0.10	1.3	1.3	0.3	2.8	5.0	NS	--	--

Planted: May 15. Harvested: Sept. 12.

[1]DAP = Days after planting.

[2]Yellow seeded.

Table 8. 2014 Flax - Minot - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.

Variety	Days to Flower	Plant Height	Test Weight	Seed Yield			
				2012	2013	2014	3-yr. Avg.
	DAP[1]	(inch)	(lb/bu)	----------(bu/a)----------			
Bison	50	31	51.9	--	--	25.3	--
Carter[2]	50	29	52.1	34.9	21.4	25.5	27.3
CDC Arras	50	31	51.7	21.7	26.8	22.2	23.6
CDC Bethune	51	32	52.0	27.7	17.3	23.8	22.9
CDC Glas	55	29	51.1	21.3	21.6	26.2	23.0
CDC Neela	55	28	51.5	--	--	21.8	--
CDC Sanctuary	51	31	51.9	28.3	26.6	24.8	26.6
CDC Sorrel	56	31	52.0	29.6	26.8	24.9	27.1
Gold ND[2]	54	31	52.8	--	--	26.0	26.0
Hanley	51	31	51.9	25.0	20.3	25.3	23.6
Lightning	51	30	51.7	30.3	21.0	24.8	25.4
Linott	51	31	52.0	31.5	16.0	23.3	23.6
McGregor	51	28	51.7	26.3	31.8	23.3	27.1
Neche	51	31	51.3	30.9	31.6	25.5	29.3
Nekoma	52	30	52.3	35.3	26.2	22.1	27.9
Omega[2]	49	28	52.4	30.4	22.7	22.3	25.2
Pembina	54	30	52.4	32.4	32.6	15.1	26.7
Prairie Blue	51	29	52.0	28.4	23.7	18.4	23.5
Prairie Grand	48	28	51.1	29.0	21.0	21.5	23.9
Prairie Sapphire	49	27	50.1	29.3	22.4	20.1	23.9
Prairie Thunder	51	31	51.8	28.9	26.1	23.6	26.2
Rahab 94	51	28	50.8	33.8	27.1	25.2	28.7
Shape	49	30	50.2	30.7	20.4	24.2	25.1
Webster	53	32	52.5	31.2	23.3	23.9	26.2
York	50	29	51.0	23.1	19.0	23.7	21.9
Mean	52	30	51.6	29.1	23.9	23.6	25.5
CV %	1.2	5.9	1.7	11.2	18	12.5	--
LSD 0.10	1	2.0	1.0	4.0	5.9	3.4	--

Planted: May 21. Harvested: Sept. 12.

[1]DAP = Days after planting.

[2]Yellow seeded.

Table 9. 2014 Flax - Dryland - Williston - Authors, J. Bergman, G. Pradhan and D. Amiot.

Cultivar	Days to Flower	Plant Height	Test Weight	Oil Content	Seed Yield		
					2014	2-yr. Avg.	3-yr. Avg.
	(DAP)[1]	(inch)	(lb/bu)	(%)	----------(bu/a)----------		
Bison	35	22	52.7	38.9	17.6	--	--
Carter[2]	39	21	52.6	38.8	18.5	22.5	19.2
CDC Arras	38	23	52.7	38.6	18.8	23.0	18.7
CDC Bethume	36	22	52.7	38.7	18.2	21.4	17.4
CDC Glas	37	21	50.7	39.6	18.8	22.1	18.2
CDC Neela	40	21	51.5	39.3	18.1	--	--
CDC Sanctuary	38	22	52.1	39.0	18.5	22.4	18.7
CDC Sorrel	38	24	52.2	39.4	19.5	25.8	20.6
Gold ND[2]	39	22	51.3	40.0	19.6	23.5	19.3
Hanley	38	22	52.8	38.7	18.5	21.7	18.7
Lightning	35	23	52.8	39.2	19.3	22.8	18.7
Linott	39	23	52.8	38.2	18.8	22.6	18.4
McGregor	37	20	53.2	38.7	17.7	21.3	17.7
Neche	37	22	53.0	39.0	20.6	24.2	19.7
Nekoma	34	21	52.8	39.6	20.0	22.2	18.6
Omega[2]	39	22	53.0	39.1	20.8	21.5	17.7
Pembina	37	22	52.6	38.9	16.7	20.4	17.2
Prairie Blue	36	20	52.5	40.1	20.3	24.3	19.0
Prairie Grande	35	20	52.5	39.0	17.5	20.8	17.5
Prairie Sapphire	39	22	51.8	40.5	17.4	20.6	17.8
Prairie Thunder	38	22	52.9	38.5	18.4	20.8	17.8
Rahab 94	35	21	51.8	39.7	19.5	23.0	18.8
Shape	39	22	52.3	40.1	17.5	20.0	17.1
Webster	39	22	52.4	39.3	16.2	20.4	17.2
York	34	21	52.8	38.5	18.9	22.9	19.1
Mean	37	22	52.4	39.2	18.6	22.1	18.4
CV %	3.8	5.2	1.1	0.7	14.5	--	--
LSD 0.10	1.7	1.3	0.7	0.3	3.3	--	--

Planted: May 9. Harvested: Sept. 16. Previous crop: durum.

[1]DAP = Days after planting.

[2]Yellow seeded.

Table 10. 2014 Flax - Hettinger - Authors, J. Rickertsen and R. Olson

Variety	Days to Bloom	Plant Height	Oil Content	Test Weight	Seed Yield	
					2014	3-yr. Avg.
	(DAP)[1]	(inch)	(%)	(lb/bu)	----------(bu/a)----------	
Bison	53	26	41.2	54.3	30.7	--
Carter[2]	53	25	41.1	55.2	29.5	22.7
CDC Arras	53	27	40.0	54.7	30.3	24.4
CDC Bethume	53	28	40.7	55.1	30.4	24.7
CDC Glas	54	25	41.7	53.2	35.2	--
CDC Neela	53	26	41.2	54.8	37.6	--
CDC Santuary	54	26	42.0	54.0	35.6	--
CDC Sorrel	54	28	41.7	54.5	32.8	--
Gold ND[2]	55	27	41.8	54.5	32.8	--
Hanley	53	27	40.8	54.4	32.0	23.7
Lightning	54	26	40.7	55.1	31.8	22.6
Linott	54	28	39.7	55.7	32.0	--
McGregor	54	27	40.7	55.0	34.6	--
Neche	54	26	41.1	55.0	30.3	--
Nekoma	53	26	41.1	55.0	32.8	24.9
Omega[2]	55	26	40.6	55.1	31.2	--
Pembina	53	26	40.5	54.4	31.5	24.4
Praire Blue	54	25	41.9	54.5	34.4	26.2
Prairie Grande	53	24	41.5	52.7	32.8	25.7
Prairie Sapphire	54	26	43.3	54.1	33.7	26.8
Prairie Thunder	54	26	40.4	54.7	33.1	--
Rahab 94	53	24	41.5	53.6	34.4	--
Shape	54	26	43.0	54.0	33.2	--
Webster	54	27	41.3	55.3	31.7	24.7
York	54	25	40.7	53.7	31.7	27.5
Mean	54	26	41.6	54.3	32.2	25.1
CV %	1	4.9	1.2	1.0	10.0	--
LSD 0.10	0.6	1.5	0.6	0.6	3.8	--

Planted: May 6. Harvested: Aug. 29. Previous crop: durum wheat.

[1]DAP = Days after planting.

[2]Yellow seeded.