Agronomic, milling and baking characteristics of selected hard red winter wheat varieties Milling and baking values were evaluated from samples at three locations (Casselton, Dickinson, Minot) in 2021.

61.5

62.1

60.6

59.7

61.8

60.9

60.2

61.5

61.4

14.0

13.8

14.3

13.6

14.0

13.9

14.4

14.0

14.0

27.8

29.6

32.5

31.2

31.2

29.2

34.1

32.8

31.4

423

444

455

396

414

433

445

454

437.5

73.2

72.0

75.8

72.0

75.5

72.7

73.5

72.1

72.5

71.9

70.0

72.8

Loaf

volume⁷

(cc)

1062

1025

987

1048

1075

1060

928

998

973

925

1008

1008.2

5.4

18.4

7.1

7.5

6.9

6.9

18.2

7.7

16.0

6.9

9.5

10.0

60.2

59.6

60.7

60.1

63.1

60.3

59.7

60.7

61.4

59.4

59.9

60.5

	Straw	Winter	2021	Yield	Test	Protein	1000	Falling	Milling	Fari	nograph
Variety	Strength ¹	Hardiness ²	Casselton	Hettinger	Weight	12% mb	Kernel wt	number ³	extraction ⁴	abs ⁵	stability ⁶
			(bu	ı/a)	(lb/bu)	(%)	(g)	(sec)	(%)	(%)	(min)

29.4

25.5

28

30.4

25.9

30.8

29.3

⁴Milling extraction: Percent of milled flour recovered from cleaned and tempered wheat. A high percentage is desirable. ⁵Farinograph absorption: A measure of dough water absorption, expressed as a percent. A high absorption is desirable.

ND Noreen	4	3	119.4	27.5	63.2	14.4	34.0	415
Northern	4	5	126.7	31.6	61.4	14.0	30.9	474
SD Andes	NΔ	NΔ	122 9	30.3	62.3	14 0	32.4	460

³Falling number: Expressed in seconds at 14% moisture basis. Low falling number indicates sprout damage.

⁷Loaf volume: Volume of a pup loaf of bread expressed in cubic centimeters. A high volume is desirable.

122.7

116.6

115.9

115.1

107.8

120.3

NA

4

5

4

NA

4

Draper Ideal

Jerry

SY Monument

SY Wolf

WB4309

WB4462

Winner

NA

4

3

3

6

NA

⁶Farinograph stability: A measure of dough strength. A high stability is desirable.

²Relative winter hardiness rating: 1 = excellent, 10 = no survival.

NA 119.1 32.7 110.3 30.5 4

NA Mean 117.9 ¹Straw strength: 1 = strongest, 9 = weakest.