



# 2023 Wheat Varieties

## HIGHLIGHTS

WB 9590 is the leading spring wheat variety in North Dakota for 2023. WB 9590 accounts for 8.7 percent of the 5.60 million acres of spring wheat planted in 2023. AP Murdock ranks second with 8.4 percent of the spring wheat acreage. SY Valda represents 6.9 percent of the spring wheat planted and ranks third. SY Ingmar ranks fourth with 6.4 percent of the spring wheat acres planted. MN Torgy accounts for 4.5 percent of the spring wheat acreage and ranks fifth. These top five varieties account for 34.9 percent of the spring wheat planted in 2023. North Dakota continues to rank first in spring wheat acreage in the United States, with 50.3 percent of the nation's estimated 11.1 million acres planted.

ND Riveland is the leading Durum wheat variety in North Dakota during 2023 for the second consecutive year. ND Riveland accounts for 52.7 percent of the 750,000 acres planted compared with 38.9 in 2022. Joppa again ranks second with 12.5 percent of the Durum wheat acres planted. Divide and AAC Cabri rank third and fourth, respectively, with 7.4 and 5.1 percent of the Durum wheat acres planted. VT Peak ranks fifth with 2.9 percent. These top five varieties account for 80.6 percent of the Durum wheat acreage in North Dakota for 2023. North Dakota continues to rank first in Durum wheat planted acreage in the United States with 50.6 percent of the nation's estimated 1.48 million acres planted.

Ideal is again the leading winter wheat variety planted in North Dakota for 2023. Ideal accounts for 15.6 percent of the winter wheat acreage in North Dakota. ND Noreen is the second leading variety and accounts for 10.3 percent of the winter wheat acres planted. These two varieties account for 25.9 percent of the 130,000 acres planted in North Dakota for 2023.

## SURVEY DESCRIPTION

The data in this report are based on a survey of wheat producers conducted during June by the North Dakota Field Office of USDA's National Agricultural Statistics Service. **Thank you to each person who supplied data and made this report possible!**

Results include acreage and percentages at the State and Agricultural Statistics District levels. All variety acreage and percentage numbers in this publication are based on survey averages. Highly reliable state averages are produced from 930 positive reports from 1,299 respondents. At the district level, the number of reports for minor varieties is generally limited. Thus, yearly fluctuations in the district variety acreage and percentages may be the result of sample variation.

The ND Wheat Commission, the ND Ag Experiment Station, and the ND State Seed Department provided funding for this survey. The NDSU Extension Service provided variety descriptions. Access to this report is available for free online at [www.ndwheat.com](http://www.ndwheat.com) or [www.nass.usda.gov/nd/](http://www.nass.usda.gov/nd/)

For further questions, please contact the North Dakota Wheat Commission at (701) 328-5111 or NASS at (800) 582-6443.

## SPRING WHEAT

**WB 9590** is the top variety in North Dakota for 2023 with 8.7 percent of the spring wheat planted. It is the leading spring wheat variety planted in the northeast, west central, and east central districts. Released in 2017 by WestBred, WB 9590 has semi-dwarf height, high protein potential, medium maturity, strong straw strength, and average milling and baking quality.

**AP Murdock** now ranks second with 8.4 percent of the spring wheat planted. It is the leading spring wheat variety planted in the northwest and central districts. Released in 2019 by Syngenta/AgriPro, AP Murdock has semi-dwarf height, good straw strength, medium-early maturity, good disease tolerance, and good milling and baking quality.

**SY Valda** ranks third with 6.9 percent of the spring wheat planted. It is the leading spring wheat variety planted in the north central and southeast districts. Released in 2015 by Syngenta/AgriPro, SY Valda has semi-dwarf height, good straw strength, medium-late maturity, very good disease tolerance, and average milling and baking quality.

**SY Ingmar** ranks fourth with 6.4 percent of the spring wheat planted. It did not lead in any of the nine districts but was the second leading variety planted in four of them for 2023. SY Ingmar was released by Syngenta/AgriPro in 2014 and has semi-dwarf height, strong straw strength, high grain protein, medium-maturity, and good milling and baking quality.

**Spring Wheat Varieties, Percent of Acreage Planted  
North Dakota: 2019-2023**

Variety	2019	2020	2021	2022	2023	
					Per-cent	Acres Planted
	(percent)	(percent)	(percent)	(percent)		(1,000)
WB 9590 .....	1.4	6.1	7.5	8.8	8.7	489.8
AP Murdock .....	-	0.4	4.7	8.8	8.4	472.7
SY Valda .....	12.5	12.5	9.5	11.0	6.9	388.1
SY Ingmar .....	20.6	19.2	13.2	9.4	6.4	357.9
MN Torgy .....	-	-	0.3	2.0	4.5	253.4
Shelly .....	2.5	2.9	3.3	3.9	3.3	184.2
WB 9719 .....	0.3	0.9	2.2	4.1	3.1	173.3
Faller .....	3.7	3.5	4.2	2.9	3.1	172.1
Glenn .....	2.9	3.6	4.4	2.7	2.6	144.8
Ambush .....	0.7	1.5	0.8	0.8	2.5	139.9
LCS Trigger .....	0.1	0.7	1.5	1.8	2.4	135.5
SY Rockford .....	2.7	2.1	1.7	1.2	2.2	120.5
AP Smith .....	-	-	-	0.6	2.0	110.9
Mott .....	1.0	0.5	0.9	0.6	1.9	104.7
LCS Cannon .....	-	0.7	0.8	1.5	1.8	99.9
Elgin ND .....	4.2	2.7	2.2	3.0	1.8	99.1
Barlow .....	3.7	2.3	2.7	1.4	1.6	90.4
CP 3530 .....	2.3	2.2	2.7	0.9	1.6	90.3
Bolles .....	5.0	3.3	3.0	1.7	1.5	83.2
Linkert .....	2.7	2.2	0.9	1.6	1.4	75.8
Other Varieties ..	33.7	32.7	33.5	31.3	32.3	1,813.5
All Varieties .....						5,600.0

- Represents zero.

**SPRING WHEAT (Continued)**

**Spring Wheat Varieties, Percent of Acreage Planted  
North Dakota, By District: 2023**

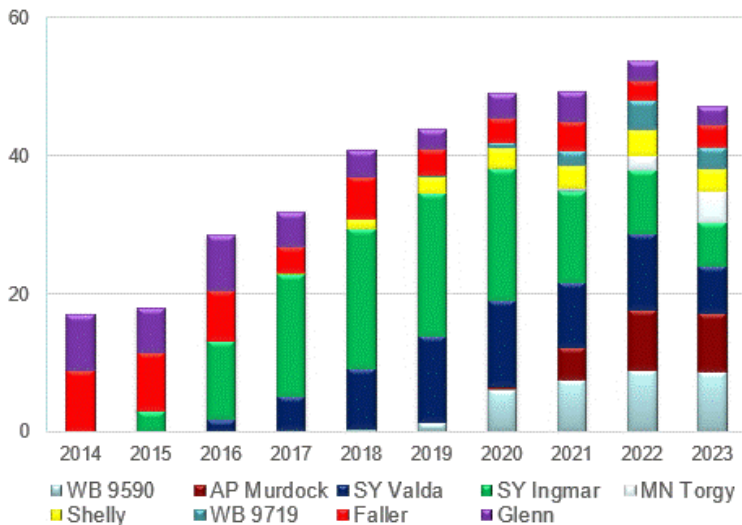
(See map of counties within districts on page 4)  
(Percentages may not add to 100 due to rounding)

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
WB 9590.....	4.4	9.2	15.2	8.6	10.3	30.0	-	0.7	11.3	8.7
AP Murdock.....	10.5	10.0	10.9	5.9	15.3	22.7	-	1.7	5.7	8.4
SY Valda.....	1.9	21.3	12.0	5.2	5.0	4.7	-	0.2	13.9	6.9
SY Ingmar.....	9.5	7.8	2.4	8.3	14.6	1.2	-	16.0	5.4	6.4
MN Torgy.....	2.4	5.4	3.7	4.9	0.7	10.8	7.2	0.9	8.4	4.5
Shelly.....	-	-	0.4	0.7	-	1.3	16.9	1.5	1.3	3.3
WB 9719.....	4.8	3.7	0.4	5.6	1.6	3.2	4.1	2.8	2.9	3.1
Faller.....	-	2.3	12.0	-	0.9	0.3	-	-	3.9	3.1
Glenn.....	6.2	-	0.3	2.9	5.7	0.2	2.6	2.0	5.4	2.6
Ambush.....	0.3	1.7	0.1	-	-	0.5	-	24.7	-	2.5
LCS Trigger.....	3.0	2.1	1.7	-	-	0.8	1.7	11.0	1.1	2.4
SY Rockford.....	6.5	-	-	-	-	-	0.9	9.4	3.6	2.2
AP Smith.....	3.9	5.3	0.7	0.5	2.5	2.7	1.4	-	0.3	2.0
Mott.....	-	-	-	-	-	-	9.7	2.4	-	1.9
LCS Cannon.....	4.1	0.3	4.5	-	1.1	-	-	-	1.5	1.8
Elgin ND.....	-	0.5	0.6	6.9	-	-	1.9	7.6	0.1	1.8
Barlow.....	3.0	2.3	-	2.1	2.3	-	3.0	0.1	0.7	1.6
CP 3530.....	1.6	2.5	3.7	-	1.3	0.4	-	-	4.2	1.6
Bolles.....	1.8	1.1	-	5.7	2.9	-	1.2	0.7	2.9	1.5
Linkert.....	-	1.3	3.2	-	3.7	3.2	-	-	1.1	1.4
Other Varieties.....	36.1	23.2	28.2	42.7	32.1	18.0	49.4	18.3	26.3	32.3

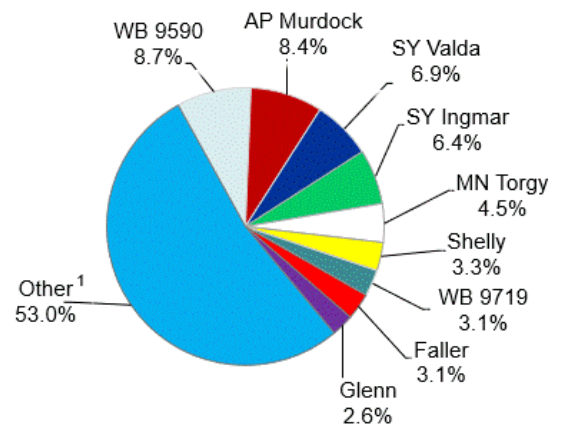
- Represents zero.

**Spring Wheat  
Select Varieties Planted  
North Dakota: 2014-2023**

Percent



**Spring Wheat Varieties  
Percent of Acreage Planted  
North Dakota: 2023**



<sup>1</sup> Other includes varieties not listed and unknown varieties.

# DURUM WHEAT

**ND Riveland** is again the most popular Durum wheat variety for 2023 with 52.7 percent of the 750,000 acres of Durum wheat planted. Released in 2017 by NDSU, ND Riveland is a variety with low cadmium (Cd) uptake traits, medium height, good straw strength, medium maturity, and good overall quality.

**Joppa** ranks second in Durum wheat acreage planted with 12.5 percent. A 2013 NDSU release, Joppa is characterized by above average height, strong straw strength, medium maturity, and good overall quality.

**Divide** ranks third in Durum wheat acreage planted with 7.4 percent. Released in 2005 by NDSU, Divide has above average height, strong straw strength, medium maturity, and good overall quality.

**AAC Cabri** ranks fourth in Durum wheat acreage planted with 5.1 percent. Developed in Canada in 2014, AAC Cabri is solid stemmed with excellent wheat stem sawfly tolerance, high test weight, good gluten strength, and low grain cadmium.

## Durum Wheat Varieties, Percent of Acreage Planted North Dakota: 2019-2023

Variety	2019	2020	2021	2022	2023	
					Per-cent	Acres Planted
	(percent)	(percent)	(percent)	(percent)		(1,000)
ND Riveland .....	2.4	11.0	22.6	38.9	52.7	395.0
Joppa .....	30.7	29.3	26.5	15.2	12.5	93.5
Divide .....	21.5	20.0	9.7	9.8	7.4	55.3
AAC Cabri .....	-	-	-	1.0	5.1	38.3
VT Peak .....	6.1	8.6	5.3	2.9	2.9	22.0
TCG Webster.....	-	0.1	0.4	0.6	2.2	16.2
Carpio.....	6.2	6.7	4.8	2.3	2.1	15.5
Other Varieties.....	33.1	24.3	30.7	29.3	15.1	114.2
All Varieties.....						750.0

- Represents zero.

## Durum Wheat Varieties, Percent of Acreage Planted North Dakota, By District: 2023

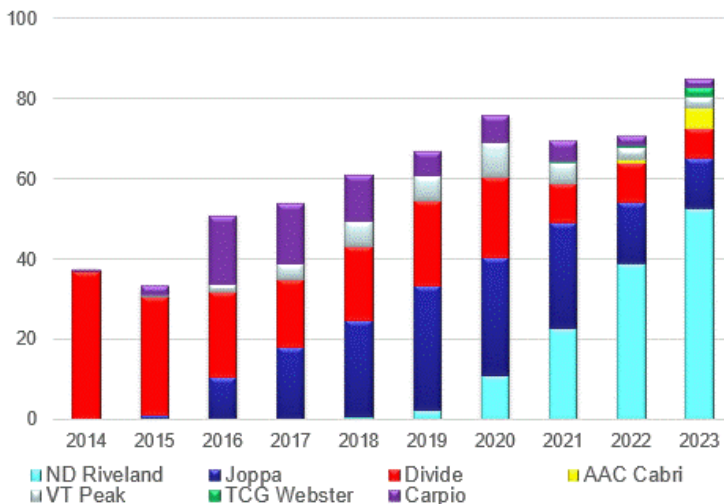
(See map of counties within districts on page 4)  
(Percentages may not add to 100 due to rounding)

Variety	Northwest	West Central	Southwest	Combined Districts <sup>1</sup>	State
	(percent)	(percent)	(percent)	(percent)	(percent)
ND Riveland .....	60.9	77.3	38.1	26.4	52.7
Joppa .....	1.9	6.2	53.4	16.8	12.5
Divide .....	6.7	-	-	18.7	7.4
AAC Cabri .....	8.7	-	-	-	5.1
VT Peak.....	4.1	-	-	2.8	2.9
TCG Webster.....	-	-	-	11.7	2.2
Carpio.....	1.8	10.5	-	0.6	2.1
Other Varieties.....	15.9	6.0	8.5	23.0	15.1

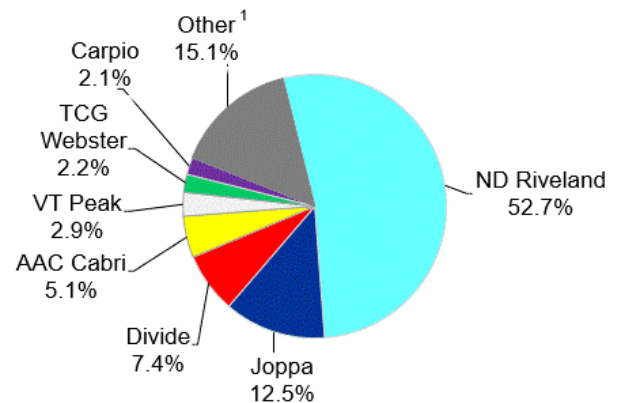
- Represents zero. <sup>1</sup> Data from North Central, Northeast, Central, East Central, South Central, and Southeast districts are combined to avoid disclosure of individual operations.

## Durum Wheat Select Varieties Planted North Dakota: 2014-2023

Percent



## Durum Wheat Varieties Percent of Acreage Planted North Dakota: 2023



<sup>1</sup> Other includes varieties not listed and unknown varieties.

# WINTER WHEAT

**Ideal** is again the leading winter wheat variety planted in North Dakota with 15.6 percent of the planted acres in 2023. Ideal was released by South Dakota State University in 2011. It has semi-dwarf height, strong straw strength, moderate to late maturity, and average baking quality.

**ND Noreen** ranks second and accounts for 10.3 percent of the winter wheat acreage planted in North Dakota. Released in 2020 by NDSU, ND Noreen has high yield potential, excellent winter hardiness, excellent straw strength, and good overall quality.

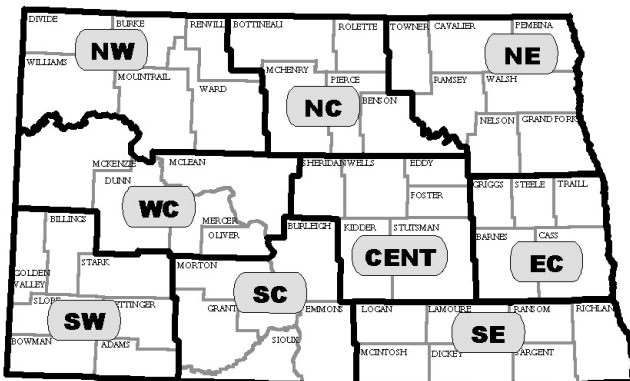
**Keldin** now ranks third with 8.3 percent of the planted acres in 2023. Keldin is a medium late, semi-dwarf hard red winter wheat. It has excellent yield, a strong stem, and good resistance to disease. Keldin was developed by Pflanzenzucht Oberlimpurg of Germany and licensed to WestBred.

## Winter Wheat Varieties, Percent of Acreage Planted North Dakota: 2019-2023

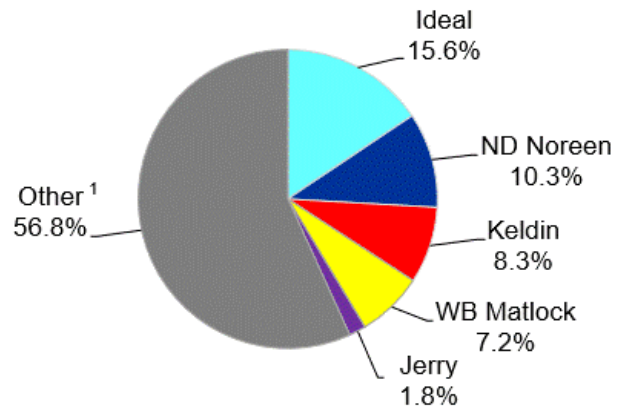
Variety	2019	2020	2021	2022	2023	
					Per-cent	Acres Planted
	(percent)	(percent)	(percent)	(percent)		(1,000)
Ideal .....	-	-	-	17.0	15.6	20.3
ND Noreen .....	-	-	0.3	3.2	10.3	13.4
Keldin .....	-	-	1.0	1.5	8.3	10.8
WB Matlock .....	2.2	-	3.2	3.5	7.2	9.3
Jerry .....	13.4	14.8	12.0	15.4	1.8	2.3
Other Varieties ....	84.4	85.2	83.5	59.4	56.8	73.9
All Varieties.....						130.0

- Represents zero.

North Dakota  
Agricultural Statistics Districts



## Winter Wheat Varieties Percent of Acreage Planted North Dakota: 2023



<sup>1</sup> Other includes varieties not listed and unknown varieties.

