



# 2018 Wheat Varieties

## HIGHLIGHTS

SY Ingmar is the leading spring wheat variety in North Dakota for 2018. SY Ingmar accounts for 20.3 percent of the 6.60 million acres of spring wheat planted in 2018. SY Valda now ranks second with 8.7 percent of the spring wheat acreage. SY Soren represents 7.7 percent of the spring wheat planted and ranks third. Barlow ranks fourth with 6.4 percent of the spring wheat acres planted. Bolles accounts for 6.1 percent of the spring wheat acreage and ranks fifth. These top five varieties account for 49.2 percent of the spring wheat planted in 2018. North Dakota continues to rank first in spring wheat acreage in the United States, with 50.0 percent of the nation's estimated 13.2 million acres planted.

Joppa is the leading Durum wheat variety in North Dakota during 2018 for the second year in a row. Joppa accounts for 24.1 percent of the 1.00 million acres planted compared with 18.0 in 2017 and 10.3 percent in 2016. Divide ranks second with 18.3 percent of the Durum wheat acres planted. Carpio and Alkabo rank third and fourth, respectively, with 11.6 and 9.2 percent of the Durum wheat acres planted. VT Peak ranks fifth with 6.3 percent. These top five varieties account for 69.5 percent of the Durum wheat acreage in North Dakota for 2018. North Dakota continues to rank first in Durum wheat planted acreage in the United States with 53.0 percent of the nation's estimated 1.89 million acres planted.

Jerry is again the leading winter wheat variety planted for 2018 after losing the top spot in 2017. Jerry accounts for 13.0 percent of the winter wheat acreage in North Dakota. Decade and Peregrine rank second and third, respectively, with 10.8 and 10.4 percent of the winter wheat acres planted. SY Wolf ranks fourth with 9.8 percent of the winter wheat acreage planted in North Dakota. These top four varieties account for 44.0 percent of the 90,000 acres planted in North Dakota for 2018.

## 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 numbers in this publication are based on survey averages. Highly reliable state averages are produced from 2,421 positive reports from 4,300 respondents. At the district level, the number of reports for minor varieties is generally limited. Thus, yearly fluctuations in the district variety acreage 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

**SY Ingmar** is the top variety in North Dakota for 2018 with 20.3 percent of the 6.60 million acres of spring wheat planted. It is the leading spring wheat variety planted in the northwest, north central, west central, and south central districts. 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.

**SY Valda** ranks second with 8.7 percent of the spring wheat planted. Released in 2015 by Syngenta/AgriPro, SY Valda has semi-dwarf height, very good straw strength, medium-late maturity, very good disease tolerance, and average milling and baking quality.

**SY Soren** ranks third with 7.7 percent of the spring wheat planted. Released in 2011 by Syngenta/AgriPro, SY Soren has semi-dwarf height, strong straw strength, medium-early maturity, and good milling and baking quality.

**Barlow** is the fourth leading variety with 6.4 percent of the spring wheat acreage. Released in 2009 by NDSU, Barlow has semi-dwarf height, medium-strong straw strength, medium-early maturity, and good milling and baking quality.

**Spring Wheat Varieties, Percent of Acreage Planted  
North Dakota: 2014-2018**

Variety	2014	2015	2016	2017	2018	
					Per- cent	Acres planted
	(percent	(percent	(percent	(percent		(1,000)
SY Ingmar .....	-	3.1	11.5	17.8	20.3	1,339.8
SY Valda .....	-	-	1.7	5.0	8.7	575.3
SY Soren .....	10.4	12.1	15.4	10.8	7.7	508.2
Barlow .....	15.7	12.6	8.0	6.7	6.4	423.3
Bolles .....	-	-	0.5	3.3	6.1	400.3
Faller .....	8.8	8.3	7.3	3.8	6.0	393.3
Linkert .....	0.1	1.0	4.0	6.9	5.8	385.9
Elgin-ND .....	2.7	10.8	8.7	5.6	4.6	300.5
Glenn .....	8.2	6.5	7.9	4.9	3.9	259.6
Rollag .....	1.5	1.5	3.0	2.9	2.6	171.7
Prosper .....	11.7	10.5	6.6	4.5	2.5	167.5
WB Mayville .....	4.4	4.6	3.1	3.1	2.2	147.5
Shelly .....	-	-	-	0.2	1.5	100.3
Velva .....	1.3	1.2	1.4	1.5	1.3	85.0
HRS 3530 .....	-	-	0.1	0.4	0.8	50.7
Kelby .....	1.9	1.2	1.3	0.7	0.7	47.9
Brennan .....	3.2	2.9	1.5	1.2	0.6	42.3
TCG Spitfire .....	-	-	0.2	0.3	0.6	38.4
WB 9479 .....	-	-	-	0.1	0.6	36.7
SY Rockford .....	-	-	-	-	0.5	30.7
Unknown varieties	6.5	4.7	5.6	8.6	4.6	302.2
Other varieties .....	23.6	19.0	12.2	11.7	12.0	792.9
All varieties .....						6,600.0

- Represents zero.

# SPRING WHEAT (Continued)

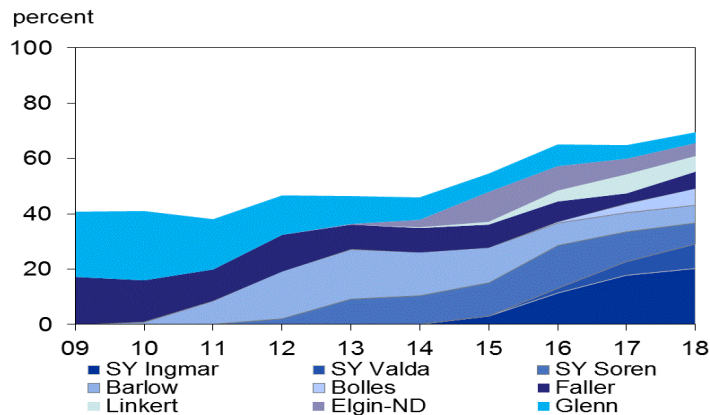
## Spring Wheat Varieties, Percent and Acreage Planted North Dakota: 2018

(Percentages may not add to 100 due to rounding.)

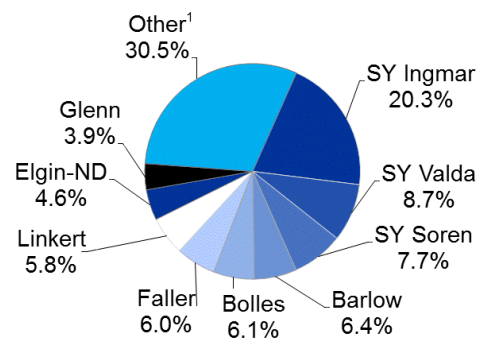
Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
SY Ingmar.....	33.9	31.2	11.1	24.6	17.2	10.9	16.0	33.3	9.9	20.3
SY Valda.....	5.0	11.9	14.9	3.1	8.6	10.5	0.6	1.6	11.4	8.7
SY Soren.....	5.2	7.8	0.3	16.1	19.6	2.9	9.9	14.4	8.8	7.7
Barlow.....	16.8	2.7	0.1	6.6	3.2	0.1	20.5	11.7	0.9	6.4
Bolles.....	6.4	4.6	8.4	3.0	3.4	8.0	1.5	2.5	14.3	6.1
Faller.....	1.0	2.3	18.2	0.9	5.0	0.6	-	-	4.1	6.0
Linkert.....	0.6	4.9	12.7	0.6	5.7	11.6	0.4	1.4	5.0	5.8
Elgin-ND.....	3.3	5.5	0.3	11.5	6.9	1.5	10.6	7.8	0.9	4.6
Glenn.....	6.9	1.9	0.9	4.9	3.9	0.2	14.0	3.3	1.9	3.9
Rollag.....	1.9	4.5	4.2	0.7	2.6	3.8	-	-	1.7	2.6
Prosper.....	0.6	3.1	3.0	1.6	2.4	0.2	3.2	1.4	7.7	2.5
WB Mayville.....	-	0.4	3.6	-	0.6	15.4	-	-	1.3	2.2
Shelly.....	-	0.5	2.7	-	2.8	4.4	0.2	-	2.4	1.5
Velva.....	-	0.7	2.6	1.1	1.5	2.4	0.5	-	1.2	1.3
HRS 3530.....	-	1.5	1.0	-	0.6	2.5	-	-	1.5	0.8
Kelby.....	1.4	0.1	0.1	2.2	-	1.0	0.8	0.7	1.4	0.7
Brennan.....	0.4	0.4	-	3.5	0.5	-	0.9	1.0	0.7	0.6
TCG Spitfire.....	-	-	1.5	1.9	-	0.5	-	-	-	0.6
WB 9479.....	-	0.7	1.2	-	0.2	1.5	-	-	0.5	0.6
SY Rockford.....	1.7	0.8	-	0.2	-	-	1.0	0.4	-	0.5
Unknown varieties.....	3.0	5.4	2.8	5.4	3.2	10.0	6.8	2.6	7.4	4.6
Other varieties.....	12.1	9.2	10.1	12.0	12.2	11.8	13.0	17.9	17.0	12.0
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
SY Ingmar.....	320.2	244.7	186.6	136.5	110.3	52.4	101.1	143.4	44.6	1,339.8
SY Valda.....	47.0	93.1	251.4	17.4	54.8	50.3	3.5	6.7	51.1	575.3
SY Soren.....	48.8	61.1	5.6	89.4	125.3	14.0	62.3	62.0	39.7	508.2
Barlow.....	159.0	21.1	2.0	36.7	20.3	0.7	129.1	50.3	4.1	423.3
Bolles.....	60.5	36.1	141.9	16.7	21.5	38.6	9.7	10.8	64.5	400.3
Faller.....	9.5	18.2	306.7	5.2	32.3	3.1	-	-	18.3	393.3
Linkert.....	5.4	38.8	214.8	3.5	36.3	55.8	2.8	6.0	22.5	385.9
Elgin-ND.....	31.5	43.5	5.6	63.9	44.1	7.3	66.7	33.7	4.2	300.5
Glenn.....	65.2	14.8	15.4	27.2	25.2	1.0	88.3	14.1	8.4	259.6
Rollag.....	17.7	35.6	71.5	4.0	16.9	18.2	-	-	7.8	171.7
Prosper.....	5.6	24.7	50.9	8.7	15.5	1.1	20.2	6.0	34.8	167.5
WB Mayville.....	-	3.1	61.0	-	3.7	73.8	-	-	5.9	147.5
Shelly.....	-	3.7	46.2	-	17.6	20.9	1.3	-	10.6	100.3
Velva.....	-	5.4	44.6	5.9	9.3	11.5	3.0	-	5.3	85.0
HRS 3530.....	-	11.4	16.4	-	4.1	12.2	-	-	6.6	50.7
Kelby.....	13.1	1.1	2.1	12.3	-	4.9	5.1	3.0	6.3	47.9
Brennan.....	3.8	2.8	-	19.6	3.1	-	5.7	4.2	3.1	42.3
TCG Spitfire.....	-	-	25.5	10.4	-	2.5	-	-	-	38.4
WB 9479.....	-	5.2	20.9	-	1.2	7.0	-	-	2.4	36.7
SY Rockford.....	15.6	5.9	-	1.0	-	-	6.4	1.8	-	30.7
Unknown varieties.....	28.1	42.2	46.4	29.9	20.6	47.9	42.7	11.2	33.2	302.2
Other varieties.....	114.0	72.5	169.5	66.7	77.9	56.8	82.1	76.8	76.6	792.9
All varieties.....	945.0	785.0	1,685.0	555.0	640.0	480.0	630.0	430.0	450.0	6,600.0

- Represents zero.

### Spring Wheat Select Varieties Planted North Dakota: 2009-2018



### Spring Wheat Varieties Percent of Acreage Planted North Dakota: 2018



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

# DURUM WHEAT

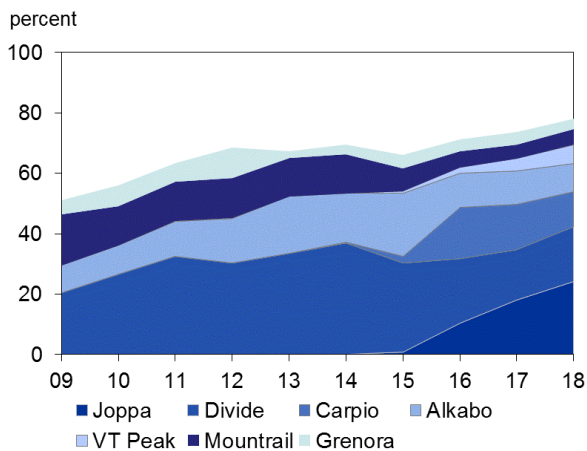
**Joppa** is the most popular Durum wheat variety for 2018 with 24.1 percent of the 1.00 million acres of Durum wheat planted. A 2013 NDSU release, Joppa is characterized by above average height, strong straw strength, medium maturity, and excellent overall quality

**Divide** ranks second in Durum wheat acreage planted with 18.3 percent. Released in 2005 by NDSU, Divide has above average height, strong straw strength, medium maturity, and good overall quality.

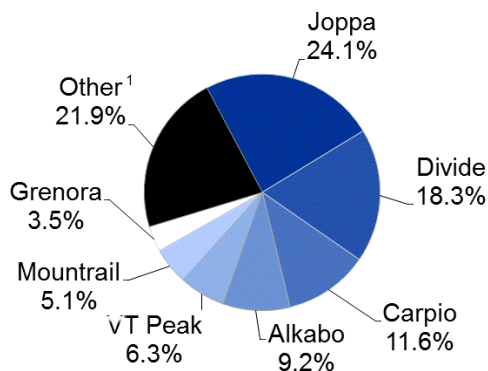
**Carpio** ranks third in Durum wheat acreage planted with 11.6 percent. A 2012 NDSU release, Carpio has average height, strong straw strength, and excellent overall quality.

**Alkabo** ranks fourth in Durum wheat acreage planted with 9.2 percent. Released in 2005 by NDSU, Alkabo has medium height, very strong straw strength, medium maturity, and good overall quality.

## Durum Wheat Select Varieties Planted North Dakota: 2009-2018



## Durum Wheat Varieties Percent of Acreage Planted North Dakota: 2018



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

## Durum Wheat Varieties, Percent of Acreage Planted North Dakota: 2014-2018

Variety	2014	2015	2016	2017	2018	
					Per- cent	Acres planted
	(percent)	(percent)	(percent)	(percent)		(1,000)
Joppa	-	0.9	10.3	18.0	24.1	241.4
Divide	37.0	29.5	21.5	16.8	18.3	182.7
Carpio	0.1	2.2	17.0	14.9	11.6	115.7
Alkabo	16.2	20.9	11.2	11.1	9.2	91.7
VT Peak	-	0.6	1.9	4.1	6.3	62.5
Mountrail	12.9	7.6	5.5	4.6	5.1	50.7
Grenora	3.4	4.3	3.8	4.2	3.5	34.5
DG Max	-	0.5	-	-	2.8	27.9
Lebsock	7.5	4.9	7.8	3.5	2.7	26.8
Tioga	9.7	10.1	8.0	7.9	2.4	24.0
Riveland	-	-	-	-	0.6	5.5
Grano	-	-	-	-	0.5	5.3
Unknown varieties	2.7	5.3	6.6	9.8	11.7	119.4
Other varieties	10.5	13.2	6.4	5.1	1.2	11.9
All varieties						1,000.0

- Represents zero.

## Durum Wheat Varieties, Percent and Acreage Planted North Dakota: 2018

(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)
Joppa	20.0	32.7	45.7	20.8	24.1
Divide	19.5	28.2	11.1	14.7	18.3
Carpio	13.4	11.4	14.8	5.6	11.6
Alkabo	11.9	1.1	14.0	3.2	9.2
VT Peak	9.3	2.4	0.5	2.8	6.3
Mountrail	8.9	-	-	-	5.1
Grenora	5.7	-	1.7	-	3.5
DG Max	-	-	-	12.2	2.8
Lebsock	2.3	9.8	-	2.0	2.7
Tioga	2.0	3.5	8.9	-	2.4
Riveland	0.1	-	-	2.1	0.6
Grano	0.2	-	-	1.8	0.5
Unknown varieties	5.9	4.1	3.3	34.2	11.7
Other varieties	0.8	6.7	-	0.6	1.2
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Joppa	114.6	29.8	49.4	47.6	241.4
Divide	111.3	25.7	12.0	33.7	182.7
Carpio	76.4	10.4	16.0	12.9	115.7
Alkabo	68.2	1.0	15.1	7.4	91.7
VT Peak	53.4	2.2	0.5	6.4	62.5
Mountrail	50.7	-	-	-	50.7
Grenora	32.7	-	1.8	-	34.5
DG Max	-	-	-	27.9	27.9
Lebsock	13.4	8.9	-	4.5	26.8
Tioga	11.2	3.2	9.6	-	24.0
Riveland	0.8	-	-	4.7	5.5
Grano	1.1	-	-	4.2	5.3
Unknown varieties	33.8	3.7	3.6	78.3	119.4
Other varieties	4.4	6.1	-	1.4	11.9
All varieties	572.0	91.0	108.0	229.0	1,000.0

- 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.

# WINTER WHEAT

**Jerry** is again the leading winter wheat variety planted for 2018 after losing the top spot in 2017. Jerry accounts for 13.0 percent of the winter wheat acreage in North Dakota. Released in 2001 by NDSU, Jerry has medium height, strong straw strength, medium maturity and good overall quality.

**Decade** ranks second with 10.8 percent of the planted winter wheat acreage. Decade was released by NDSU and Montana State University in 2010. It has short height, moderate straw strength, medium maturity, and good overall quality.

**Peregrine** ranks third with 10.4 percent of the planted winter wheat acreage. Peregrine was released by the University of Saskatchewan in 2008. It has medium height, high rust resistance, moderate straw strength, and medium maturity.

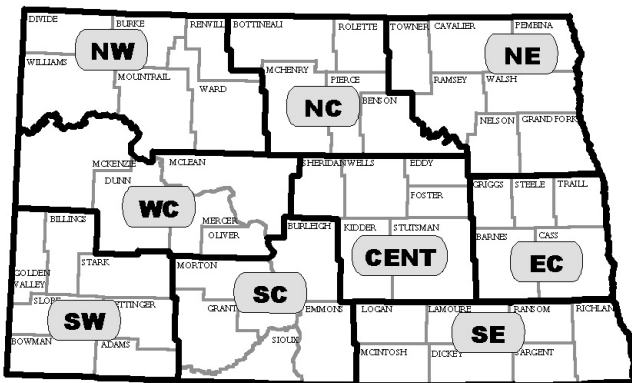
**SY Wolf** ranks fourth with 9.8 percent of the winter wheat planted acres. SY Wolf was released by Syngenta/AgriPro in 2010 and has semi-dwarf height, strong straw strength, very good disease tolerance, and good test weights.

**Winter Wheat Varieties, Percent of Acreage Planted North Dakota: 2014-2018**

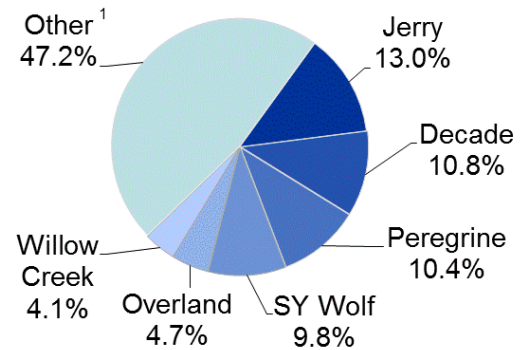
Variety	2014	2015	2016	2017	2018	
					Per-cent	Acres planted
	(percent)	(percent)	(percent)	(percent)		(1,000)
Jerry .....	25.5	21.4	15.0	5.7	13.0	11.7
Decade .....	17.5	17.0	13.2	6.9	10.8	9.7
Peregrine.....	3.1	2.4	1.3	-	10.4	9.4
SY Wolf .....	4.0	8.6	7.9	11.3	9.8	8.8
Overland.....	6.2	4.0	0.9	0.2	4.7	4.2
Willow Creek .....	-	-	-	-	4.1	3.7
Wesley .....	2.5	2.3	6.2	-	3.3	3.0
WB Matlock .....	6.9	4.9	8.7	12.1	2.3	2.1
Jagalene.....	0.6	-	-	1.8	2.2	2.0
Tandem.....	-	-	-	-	1.6	1.4
Darrell .....	1.8	2.6	4.8	1.2	1.3	1.2
Emerson.....	-	-	5.8	1.4	1.1	1.0
Unknown varieties	14.2	20.4	12.3	36.0	33.0	29.7
Other varieties.....	17.7	16.4	23.9	23.4	2.4	2.1
All varieties .....						90.0

- Represents zero.

**North Dakota Agricultural Statistics Districts**



**Winter Wheat Varieties Percent of Acreage Planted North Dakota: 2018**



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

