

BUILT BY FARMERS FOR FARMERS

SEED GUIDE 2025





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THE INFORMATION IN THIS BOOK WAS
AVAILABLE AT THE TIME OF PRINTING.



Established in 1929, North Dakota Crop Improvement and Seed Association (NDCISA) is a non-profit organization. NDCISA works closely with various entities to select varieties best adapted to our region. By being selective, we can provide more profitable seed varieties with the highest agronomic performance. Members of NDCISA work hard to make these popular seed varieties easily accessible to farmers. NDCISA has regional trial locations to gather current data to keep growers informed in selecting the most profitable varieties for their region.

NDCISA supports various organizations through donations, scholarships, sponsorships, grants, research, extension, and educational programs. North Dakota Crop Improvement & Seed Association is focused on uniting the agriculture community.

**ENHANCING NORTH DAKOTA
AGRICULTURE THROUGH THE
PRODUCTION, PROMOTION, AND
DISTRIBUTION OF PURE SEED.**



PRODUCTION



PROMOTION



DISTRIBUTION

FINEST SEED

**WITH BEST
RESULTS**



BARLEY



ND TREASURE

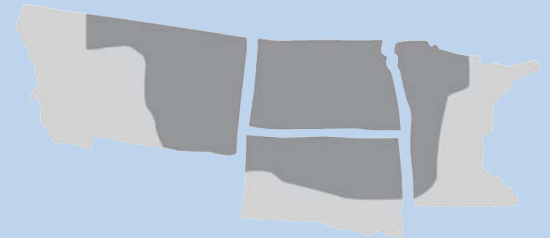


ND Treasure is a high yielding semi-dwarf six-rowed barley that is intended for the non-malting market. Potential markets are those for pet food, pearling for human food, or livestock feed. Growers are seeing yields often times 15% higher than other commonly grown feed barley varieties. The short strong straw of ND Treasure may make it more suited to higher rates of N fertilizer to increase yield without the fear of increased lodging.

NDSU NORTH DAKOTA
STATE UNIVERSITY

CHARACTERISTICS

Yield: **Very High**
Test Weight: **Good**
Easy To Harvest
Leaf And Stem Rush Resistant



● Shading Indicates
Ideal Growing Region

NOTES

ABI CARDINAL

ABI Cardinal barley was developed by the Anheuser-Busch breeding program. ABI Cardinal is a mid-season maturing two-row spring malting barley widely adapted to midwestern US. It has good yield potential, modern height, moderate straw strength, good plumpness, and good foliar disease resistance. ABI Cardinal has lower DON and protein accumulation in the kernel.

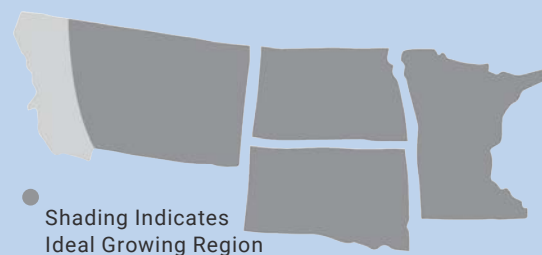


CHARACTERISTICS

Yield: **High**

Straw Strength: **Moderate**

Height: **Medium**



CDC AUSTENSON

- 2-Row Feed
- Large Kernels With High Test Weight
- Resistant to Stem Rust



CHARACTERISTICS

Yield: **High**

Straw Strength: **Strong**

Maturity: **Long**

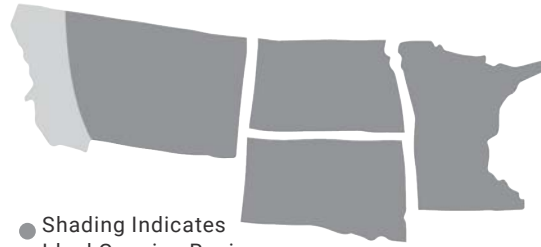
Height: **Medium**



BARLEY

CDC FRASER

- 2-Row Malt
- Good Malting Characteristics
- Low Protein



● Shading Indicates
Ideal Growing Region

CHARACTERISTICS

Yield: **High**

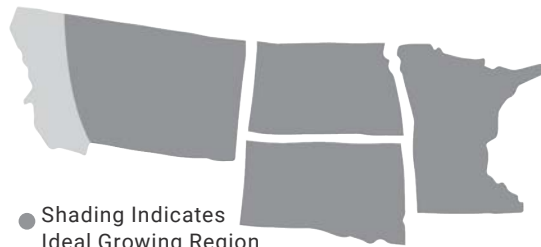
Stem Strength: **Strong**

Kernels: **Large Plump**



CDC MAVERICK

- 2-Row Forage
- Smooth Awned for Improved Palatability
- Large, Plump Kernels
- High Test Weight, Kernel Weight and Protein
- Medium Resistant to Stem Rust
- Intermediate Resistance to FHB and DON Accumulation



● Shading Indicates
Ideal Growing Region

CHARACTERISTICS

Yield: **High**

Stem Strength: **Strong**

Maturity: **Medium**

Height: **Tall**



NDCISA cultivates relationships with many different genetic providers to bring the best varieties to our customers.

JEREMIAH HALLEY: TOWNER COUNTY SEED PRODUCER



BARLEY

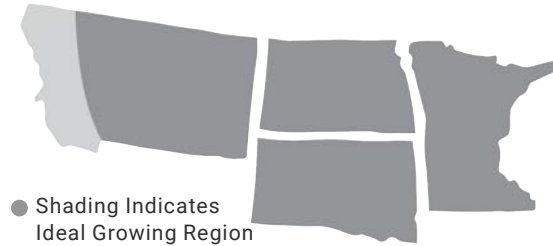
NDCISA

BARLEY

BARLEY

TRADITION

- 6-Row Malt
- Excellent Agronomic Performance
- Strong Straw Strength



CHARACTERISTICS

Yield: **High**
 Stem Strength: **Strong**
 Maturity: **Medium**
 Height: **Medium-Short**



2024 NDSU BARLEY VARIETY TRIAL | LOCATION: LANGDON, ND

						GRAIN YIELD			AVERAGE YIELD	
VARIETY	DAYS TO HEAD	PLANT HEIGHT	TEST WEIGHT	PLUMP	GRAIN PROTEIN	2022	2023	2024	2 YR	3 YR
DAP		INCHES	LBS/BU	%	%	BUSHELS PER ACRE				
TWO ROW										
AAC CONNECT	56	29	48.4	99	10.9	100.1	109.1	91.5	100.3	100.2
AAC SYNERGY	55	31	48.0	99	10.4	105.2	113.0	89.0	101.0	102.4
ABI CARDINAL	57	31	47.8	99	10.5	103.3	109.4	83.9	96.7	98.9
CDC FRASER	58	31	46.9	99	10.9	105.2	113.4	92.1	102.7	103.6
CDC PRAIRIE	56	30	48.5	98	10.7	--	116.6	84.8	100.7	--
EXPLORER	56	26	46.7	99	9.8	105.6	102.2	87.8	95.0	98.5
ND GENESIS	58	31	93	46.0	11.0	57.5	95.6	140.8	118.2	98.0
PINNACLE	57	30	91	44.3	10.5	54.8	85.7	96.2	90.9	78.9
SIX ROW										
ND TREASURE	54	29	45.6	99	10.6	112.0	113.0	98.3	105.6	107.8
TRADITION	54	31	46.6	99	10.8	98.5	110.6	87.7	99.2	98.9
TRIAL MEAN	55.7	29.7	47.3	99.0	10.6	104.3	110.1	90.0	--	--

NOTES

HIGH-QUALITY **DURUM** WITH THE OPTIONS **YOU NEED**



DURUM

ND STANLEY

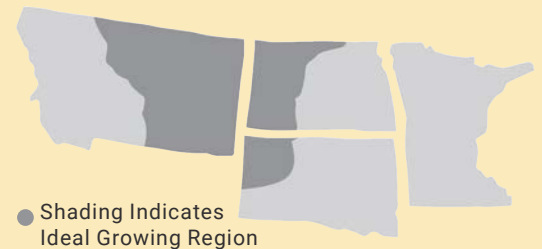


ND Stanley durum is a new variety developed at North Dakota State University (NDSU) in Fargo North Dakota by Dr. Elias Elias and his breeding team. This variety has extremely high yield, combined with strong straw and excellent protein. ND Stanley also has a strong disease package, and excellent end use quality durum millers are looking for. Take a look at the data and you will see that ND Stanley would be a good fit for any durum producer in the region.



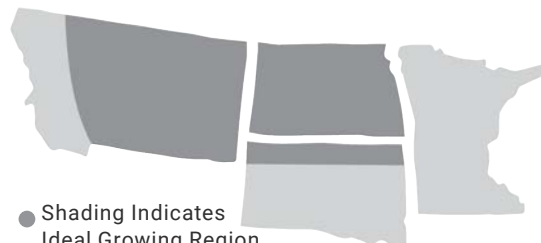
CHARACTERISTICS

Yield: **High**
 Stem Rust: **Resistant**
 Leaf Rust: **Resistant**
 Test Weight: **High**



AAC SPITFIRE

- Resistant to Common Bunt as well as Stem, Leaf and Stripe Rust
- Low Grain Cadmium



CHARACTERISTICS

Yield: **High**
 Straw Strength: **Strong**
 Maturity: **Medium**
 Height: **Medium**

Developed by Agriculture & Agri-Food Canada, Swift Current



AAC STRONGHOLD

- **SOLID STEM**
- Resistant to Common Bunt as well as Stem, Leaf and Stripe Rust
- Low Grain Cadmium



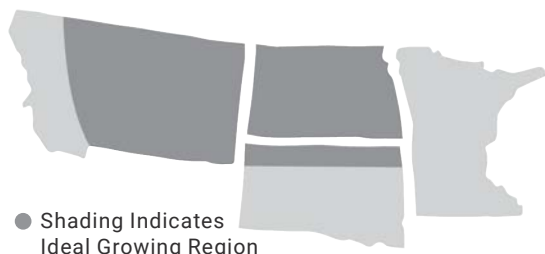
CHARACTERISTICS

Yield: **High**
 Straw Strength: **Strong (Solid Stem)**
 Maturity: **Medium**
 Height: **Medium**

Developed by Agriculture & Agri-Food Canada, Swift Current

CDC DEFY

- Good Quality
- Resistant to Common Bunt and Leaf Rust
- Good Lodging Tolerance



CHARACTERISTICS

Yield: **High**
 Disease: **MS for FHB**
 Maturity: **Medium**
 Height: **Tall**



ND GRANO

- Low Grain Cadmium
- Good Quality



CHARACTERISTICS

Yield: **High**
 Stem Rust: **Resistant**
 Leaf Rust: **Resistant**
 Test Weight: **High**

NDSU NORTH DAKOTA
STATE UNIVERSITY

DURUM

ND RIVELAND

- Low Grain Cadmium
- Good Quality



CHARACTERISTICS

Yield: **High**
 Stem Rust: **Resistant**
 Leaf Rust: **Resistant**
 Test Weight: **High**

NDSU NORTH DAKOTA
STATE UNIVERSITY

2024 NDSU DURUM VARIETY TRIAL | LOCATION: HETTINGER, ND

VARIETY	DAYS TO HEAD	PLANT HEIGHT	PLANT LODGE	TEST WEIGHT	GRAIN PROTEIN	GRAIN YIELD			AVERAGE YIELD	
						2022	2023	2024	2 YR	3 YR
	DAP ¹	INCHES	0-9	LBS/BU	%	BUSHEL PER ACRE				
AAC STRONGHOLD	63	31	0	58.7	14.1	27.8	64.5	76.9	70.7	56.4
CDC DEFY	61	35	1	59.5	13.3	33.5	72.1	83.6	77.8	63.0
DIVIDE	63	32	0	58.3	12.8	--	61.1	82.2	71.6	--
JOPPA	62	35	2	58.9	12.9	24.0	68.1	75.2	71.6	55.8
MOUNTRAIL	64	34	2	59.3	12.8	25.8	75.3	80.1	77.7	60.4
MT BLACKBEARD	64	34	3	58.5	13.0	26.6	72.7	77.4	75.0	58.9
ND GRANO	63	37	2	59.1	13.1	--	--	81.0	--	--
ND RIVELAND	63	28	3	58.9	13.7	--	--	68.9	--	--
ND STANLEY	63	35	3	59.5	12.8	25.2	71.2	76.1	73.7	57.5
ND RIVELAND		35	1	59.2	12.8	30.3	69.2	75.2	72.2	58.2
TRIAL MEAN		34	2	59.0	13.1	27.9	69.8	77.4	73.8	58.7

NDSU DURUM 2024 VARIETY TRIAL DATA | LOCATION: LANGDON, ND

VARIETY	DAYS TO HEAD	PLANT HEIGHT	PLANT LODGE	TEST WEIGHT	GRAIN PROTEIN	GRAIN YIELD			AVERAGE YIELD	
						2022	2023	2024	2 YR	3 YR
	DAP ¹	INCHES	0-9	LBS/BU	%	BUSHEL PER ACRE				
DIVIDE	59.0	42.3	1.4	12.1	62.0	74.9	63.1	79.5	71.3	72.5
JOPPA	58.7	44.8	1.4	11.3	61.2	86.2	67.6	82.4	75.0	78.7
MOUNTRAIL	59.2	44.2	1.7	11.3	61.1	86.3	73.5	85.7	79.6	81.8
ND GRANO	59.5	43.0	2.2	12.0	62.6	83.9	66.6	88.9	77.8	79.8
ND RIVELAND	59.5	46.4	1.6	12.0	62.5	80.8	64.2	88.1	76.1	77.7
ND STANLEY	59.5	42.9	2.0	12.0	63.5	85.5	67.9	83.6	75.8	79.0
STRONGFIELD	58.6	42.8	3.5	12.8	61.5	71.1	64.4	71.7	68.1	69.1
TRIAL MEAN		34	2	59.0	13.1	27.9	69.8	77.4	73.8	58.7

FLAX SEED OPTIONS YOU CAN RELY ON



FLAX

FLAX

CDC ROWLAND

CDC Rowland flax was developed at the Crop Development Centre of University of Saskatchewan in Saskatoon, Saskatchewan. CDC Rowland is a large, high yielding brown flax variety with very good lodging resistance and later maturity.



CHARACTERISTICS

Yield: **High**

Maturity: **Late**

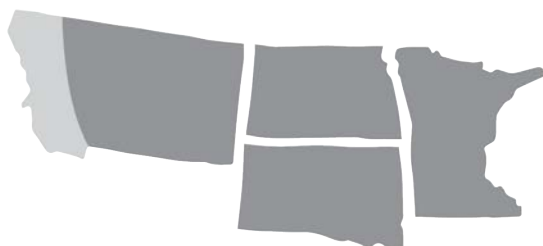
Seed Color: **Brown**

Seed Size: **Large**



AAC BRIGHT

- Moderately Resistant to Flax Wilt
- Good Lodging Resistance
- Resistance to Flax Rust



CHARACTERISTICS

Straw Strength: **Strong**

Maturity: **Long**

Height: **Tall**

Seed Color: **Yellow**

Developed by Agriculture & Agri-Food Canada, Swift Current



NDCISA consistently brings in the top of the line genetics suited for our local environment to allow each producer success on their farm

LUKE MAHLEN: CLEAN COUNTY SEED PRODUCER



FLAX

ND HAMMOND

- Resistant to Flax Rust
- Good Oil Quality
- Resistant to Flax Wilt

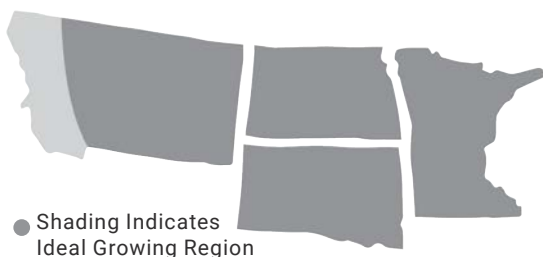


CHARACTERISTICS

Yield: **High**Seed Color: **Brown**Maturity: **Medium**Height: **Medium**
NDSU NORTH DAKOTA
STATE UNIVERSITY

GOLD ND

- Excellent Yield
- Good Oil Content and Oil Quality
- Good Tolerance to Flax Wilt
- Resistant to Flax Rust



CHARACTERISTICS

Yield: **High**Seed Color: **Yellow**Maturity: **Medium**Height: **Medium Tall**
NDSU NORTH DAKOTA
STATE UNIVERSITY

NOTES

Variety	Days to Flower	Plant Height	Test Weight	Oil	2022	2023	2024	2 Year Avg	3 Year Avg
	(in.)	(lbs/bu)						(bu/a)	(bu/a)
AAC BRIGHT	53	25	49.2	49.3	62.4	31.9	36	33.9	43.4
CDC DORADO	51	23	50.4	47	54.5	30.2	32.1	31.2	38.9
CDC GLAS	54	26	50.4	47.5	64.7	28.1	39.2	33.7	44
CDC KERNEN	55	27	51.4	46.2	57.2	22.9	35.3	29.1	38.5
CDC NEELA	54	27	52	46.2	59.2	34.7	37.7	36.2	43.9
CDC ROWLAND	53	26	51.3	46.9	68.2	35.2	42.3	38.8	48.6
GOLD ND	54	27	52	46.1	55.6	31.6	38.8	35.2	42
ND HAMMOND	53	27	51.4	44.2	58.4	31.4	35.7	33.5	41.8
WEBSTER	53	27	52	46.3	58.7	30.6	38.7	34.6	42.7
YORK	53	28	51.9	46.3	63.4	34.7	39.8	37.3	46
TRIAL MEAN	53.3	26.3	51.2	46.6	60.23	31.13	37.56	--	--

NOTES

PROVIDING THE HIGHEST QUALITY SEED



HRSW

HARD RED SPRING WHEAT

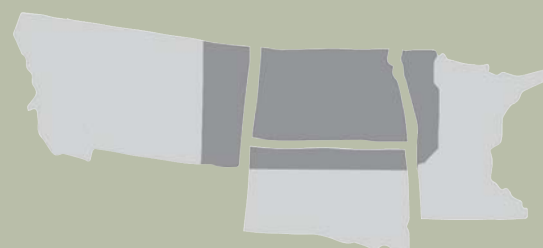
ND STAMPEDE



ND Stampede is a short to medium statured wheat with high yield potential and adaptation to a wide area of the Northern Plains. Compared with 'Faller', it has similar yield and improved straw strength, shorter height, earlier heading date, greater leaf rust resistance, and superior end use quality. It has been tested extensively in the breeding program, statewide yield trials, Minnesota variety trial, and Uniform Regional Nursery. It is moderately resistant to FHB, moderately susceptible but similar to many commercial cultivars for BLS, moderately resistant to leaf and stem rust, and susceptible to stripe rust.

CHARACTERISTICS

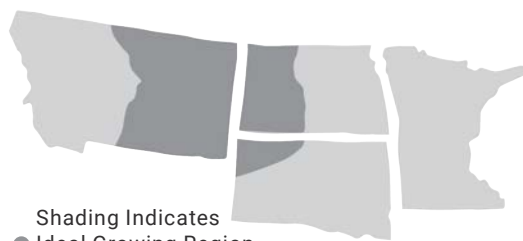
Yield/Protein Combination
Above Average Disease Resistance
Widely Adapted or Wide Adaptation



Shading Indicates
● Ideal Growing Region

NDSU NORTH DAKOTA
STATE UNIVERSITY

ND HERON



Shading Indicates
● Ideal Growing Region

CHARACTERISTICS

Yield: **High**
Stem Rush: **MR**
Leaf Rush: **MS**
Head Scab: **MR**
Test Weigh: **High**

NDSU NORTH DAKOTA
STATE UNIVERSITY



HRSW

NDCISA

HARD RED SPRING WHEAT

AAC STARBUCK VB



AAC Starbuck VB is a very high yielding **semi-dwarf** spring wheat with good lodging resistance and is rated MR to Fusarium head blight. AAC Starbuck VB is also tolerant to the orange wheat blossom midge. AAC Starbuck VB is well-adapted to the wheat growing regions across North Dakota, Eastern Montana, and Northwest Minnesota. Certified seed of AAC Starbuck VB will be sold as a varietal blend made up of 90% AAC Starbuck and 10% AAC Brandon. AAC Brandon

provides a refuge area for non-virulent midge to survive at low levels, thereby extending the useful life of the Sm1 midge tolerant gene.

AAC Starbuck will be marketed as certified seed only (CSO).

This method will maintain the midge resistance going into the future. See our website for further information regarding orange wheat blossom midge stewardship.

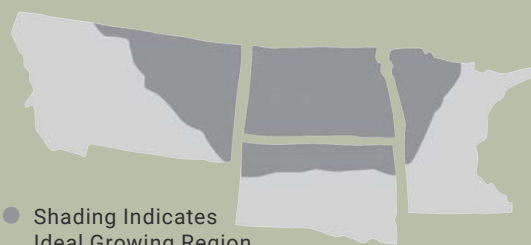
CHARACTERISTICS

Yield: **High**

Protein: **High**

Test Weight: **High**

Straw Strength: **Good**



● Shading Indicates Ideal Growing Region

Developed by Agriculture & Agri-Food Canada, Swift Current

ND FROHBURG

- Good Straw Strength
- Excellent Disease Package
- Strong End-Use Quality

CHARACTERISTICS

Yield: **High**

Stem Rust: **MR**

Leaf Rust: **MS**

Head Scab: **MR**

Test Weight: **High**



● Shading Indicates Ideal Growing Region

NDSU NORTH DAKOTA STATE UNIVERSITY

HARD RED SPRING WHEAT

HRSW

NDCISA



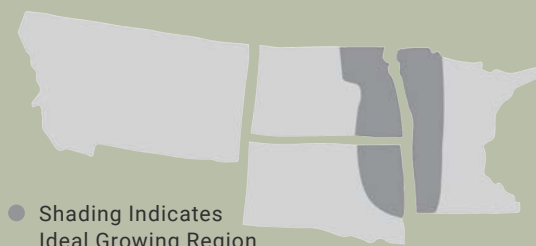
ND THRESHER



Thresher is shorter statured, high yielding wheat best adapted to high yield potential environments in Eastern and Central North Dakota. It has a height about 1" taller than SY Valda, and a heading date similar to Faller. Relative to Faller, it has improved straw strength by about 15%. Statewide yield potential is similar to SY Ingmar and Elgin-ND, with yield potential similar to Lang-MN and MN Torgy in the East (from NDSU breeding program data). In Central North Dakota, it has shown

as similar yield potential as Barlow, and ND Frohberg. It is moderately resistant to FHB and bacterial leaf streak (BLS). In NDSU breeding program screening over multiple years, only Boost has shown superior BLS resistance. It has superior milling and baking quality and high grain protein content.

CHARACTERISTICS

Yield: **High**Protein: **Strong**Straw Strength: **Good**
NDSU NORTH DAKOTA
STATE UNIVERSITY

AAC BRANDON



CHARACTERISTICS

Height: **Short**Yield: **High**Stem Rust: **MR**Leaf Rust: **MS**Head Scab: **MR**Test Weight: **High**

Developed by Agriculture &
Agri-Food Canada, Swift Current

HARD RED SPRING WHEAT

ND VITPRO

- Improved Straw Strength
- High Protein and Test Weight
- Bright Vitreous Kernel



CHARACTERISTICS

Yield: **High**

Straw Strength: **Medium-Strong**

Maturity: **Medium Early**

Height: **Medium**

NDSU NORTH DAKOTA STATE UNIVERSITY

2024 NDSU HARD RED SPRING WHEAT VARIETY TRIAL | LOCATION: LANGDON, ND

VARIETY	DAYS TO HEAD	PLANT HEIGHT	PROTEIN		TEST WEIGHT	GRAIN YIELD			AVERAGE YIELD	
			2024	2 YR AVG		2022	2023	2024	2 YR	3 YR
		INCHES	%		LBS/BU	BUSHEL PER ACRE				
AAC STARBUCK VB	54	36	14.1	13.4	62.2	80.1	84.9	82.8	83.8	82.6
AP MURDOCK	54	33	12.9	12.9	60.1	92.6	72.9	85.5	79.2	83.7
ASCEND-SD	57	41	13.9	13.1	61.7	89.9	81.2	80.2	80.7	83.8
BOLLES	57	35	14.4	14.4	61.1	71	73.5	76.7	75.1	73.7
BRAWN-SD	55	38	12.6	12.4	62.1	80.4	83.5	84.6	84	82.8
CDC LANDMARK VB	54	37	14.4	13.7	61.9	--	81.3	81.4	81.3	--
GLENN	52	39	14.5	13.9	62.7	67.6	68.7	69	68.9	68.4
LANNING	55	37	14.3	14.1	60.6	60.5	75.2	78.5	76.8	71.4
LCS HAMMER AX	53	33	13.4	13.1	61.1	79.5	79.4	83.3	81.3	80.7
MN-ROTHSAY	58	33	13.3	13.5	61.1	77.1	80	87.6	83.8	81.6
MN-TORGY	56	38	14.3	14.1	61.7	82	75.4	81.5	78.4	79.6
MS COBRA	55	35	13.8	13.4	61.2	67.5	78.4	82.9	80.6	76.3
ND FROHBERG	55	38	13.5	13.3	61.6	77.4	75.4	75.4	75.4	76.1
ND HERON	52	36	14.1	13.4	62.4	68	80.9	74.1	77.5	74.3
ND STAMPEDE	53	35	13.6	13.7	61.2	85.9	81.2	89.8	85.5	85.6
ND THRESHER	55	34	14	13.8	60.4	76.3	73.4	75.4	74.4	75
ND VITPRO	54	36	14.7	14.3	62.8	71.1	69.9	74.1	72	71.7
SHELLY	56	33	13	13	61.3	76	85.6	91	88.3	84.2
SY VALDA	55	34	13.2	12.9	60.7	86.1	79.4	86.6	83	84
WB 9590	53	31	13.8	13.8	60.7	74.4	79.1	83.6	81.4	79
TRIAL MEAN	54.6	35.6	13.8	13.5	61.4	73.2	78	81.2	79.6	74.7

NOTES

**CHOSEN
TO PERFORM
TRUSTED
TO SUCCEED**



HRWW

HARD RED WINTER WHEAT

ND ALLISON



ND ALLISON - a new winter wheat variety developed at North Dakota State University (NDSU) by Dr. G. Francois Marais and his breeding team. When compared to the cultivar Jerry, ND Allison has shown to have 1-2 inch shorter straw, similar maturity date, and also exhibits the same strong winter hardiness we see in Jerry. ND Allison is a very high yielding variety with a broad adaptation as demonstrated in the performance of the ND statewide

Elite and Variety Trials. This variety is more tolerant of acidic soils. Based on molecular marker data, ND Allison is believed to have the aluminum tolerance gene, TaALMT1, which will give it an advantage in localities associated with aluminum toxicity such as SW North Dakota. ND Allison is resistant to leaf rust, has good test weight, good protein and has satisfactory processing quality.

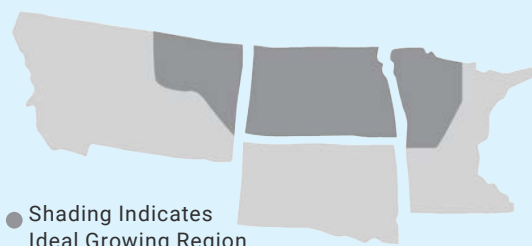
CHARACTERISTICS

Yield: **High**

Protein: **Good**

Winter Hardiness: **Excellent**

Test Weight: **Good**



● Shading Indicates
Ideal Growing Region

NDSU NORTH DAKOTA
STATE UNIVERSITY

ND NOREEN

- Very High Test Weight
- High Protein
- Stem Resistance
- Excellent Winter Hardiness
- Resistant to Bacterial Leaf Streak

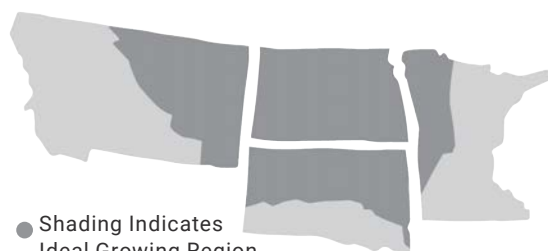
CHARACTERISTICS

Yield: **High**

Straw Strength: **Excellent**

Maturity: **Medium**

Height: **Tall**



● Shading Indicates
Ideal Growing Region

NDSU NORTH DAKOTA
STATE UNIVERSITY



HRWW

NDCISA

HARD RED WINTER WHEAT

AAC GOLDRUSH

AAC Goldrush-is a next generation, high yielding HRWW with excellent winter hardiness. It comes with good standability and strong rust resistance, and is rated intermediate to fusarium head blight (FHB). Its pedigree: CDC Falcon/CDC Osprey//Crimson/CDC Falcon shows why this variety will be very popular with growers in the region. CDC Falcon has been long known as a “winter hardy yielder”. Try AAC Goldrush today and see the difference for yourself.

Developed by Agriculture & Agri-Food Canada, Swift Current

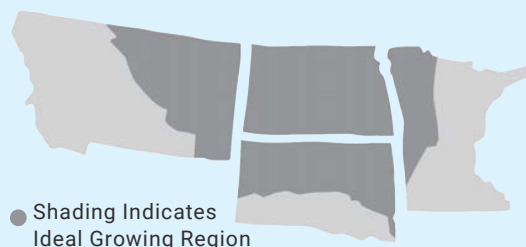
CHARACTERISTICS

Yield: High

Protein: Excellent

Winter Hardiness: Excellent

Height: Medium



NOTES

Variety	Plant Height	Protein	Test Weight	Yield	2 Year Avg	3 Year Avg
	(in.)	(%)	(lb/bu)	(bu/a)	(bu/a)	(bu/a)
Jerry	24.6	13.3	62.8	62.7	71.9	62.7
ND Noreen	25.2	14.1	64.5	62	73.4	65
Northern	22.7	13.6	63.8	68.8	65.3	57.7
SD Andes	23.3	12.9	64.4	65.9	76.4	-
SD Midland	23.7	12.5	64.1	68.5	73.8	-
Winner	22.3	13.2	63.4	57.8	69.7	-
AAC Wildfire	22.6	12.4	63.8	66.1	68.3	60.6
AAC Vortex	22.5	14	63.3	61.4	76.1	-
AAC Goldrush	25.1	13.4	63.4	65.5	-	-
MS Sundown	20.8	13.2	63	55	-	-
MS Maverick	21.4	13.9	63.7	57.9	62.5	-
SY Monument	20.9	12.6	62.7	59.7	60.2	52
SY Wolverine	19.4	14.2	63.3	48.4	49.3	45.8
Keldin	24	12.9	64	70.7	66.2	56.2
WB4309	21.2	14.2	63.4	54.5	61.8	-
ND Allison	23	12	63.7	69.2	77.1	-
Mean	22.7	13.3	63.6	62.1		
CV (%)	5.5	1.9	0.4	6.5		

NOTES

ADDING VALUE TO **YOUR FARM** WITH THE BEST OAT SEED OPTIONS



OAT

ND SPILDE



ND Spilde is a spring oat with good yield potential, low proportion of thin kernels, unique crown rust resistance, and good test weight. ND Spilde exhibited very good grain yield (110%) of Leggett and usually the highest yielding genotype in North Dakota Oat Variety Trials. The large white kernels with a low proportion of thin kernels should be attractive to the oat milling industry. The milling industry requested large kernels and low thin proportion to improve milling efficiency. ND Spilde has good lodging resistance and is relatively late flowering.

CHARACTERISTICS

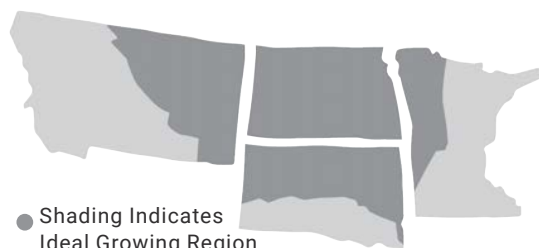
Yield: **Very High**
 Test Weight: **High**
 Disease Resistance: **Strong**
 Milling Type: **Oat**
 Oat Kernel: **White**
 Very Low Thin Count
 (geared for the milling industry)



NDSU NORTH DAKOTA STATE UNIVERSITY

CDC HAYMAKER

- Good Forage Quality
- Forage Type
- Large Plump Seed



CHARACTERISTICS

Yield: **High**
 Straw Strength: **Strong**
 Maturity: **Late**
 Height: **Tall**

CC CROP DEVELOPMENT CENTRE
 USASK



NDCISA

OAT

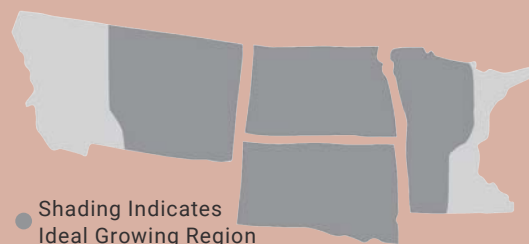
ND CARSON



ND Carson a spring oat with good yield, good test weight, and good lodging resistance. ND CARSON exhibits crown rust resistance similar to "Leggett". The crown rust resistance of ND CARSON was derived from the diploid Avena strigosa by Rines. Rines derived the crown rust resistance used in ND CARSON from A. strigosa independently of the derivation (Pc 94) for Leggett, but the resistance in ND141338 is inhibited by Pc38 as it is in Leggett. ND CARSON does not likely have crown rust resistance that exceeds Leggett. Milling characteristics of ND CARSON are considered good, but it produces slightly more thin kernels than ND Spilde. ND141138 produced consistently high grain yield and test weight in ND Oat Variety Trials.

CHARACTERISTICS

Yield: **High**
 Test Weight: **High**
 Lodging Resistance: **Good**
 Conventional Height Oat
 Crown Rust Resistant
 Dual Purpose (grain or hay)



NDSU NORTH DAKOTA STATE UNIVERSITY

JURY

- Grain or Forage Type
- Excellent Test Weight



CHARACTERISTICS

Yield: **High**
 Straw Strength: **Medium**
 Maturity: **Medium**
 Height: **Tall**

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AAC DOUGLAS

AAC Douglas is a high β -glucan white hulled milling oat developed by Agriculture & Agri-Food Canada Cereal Research Centre in Winnipeg, Manitoba. This variety will be an industry leader with its high grain yield, strong short straw, and excellent milling quality coupled with very high groat percentage. AAC Douglas will replace several current milling oat varieties currently on the market today. This variety is rated resistant to smut and moderately resistant to oat crown rust and FHB. AAC Douglas has performed very well across all growing regions. Take a look at the data and you will see that AAC Douglas would be a variety well suited for producers looking for a high yielding grain oat.

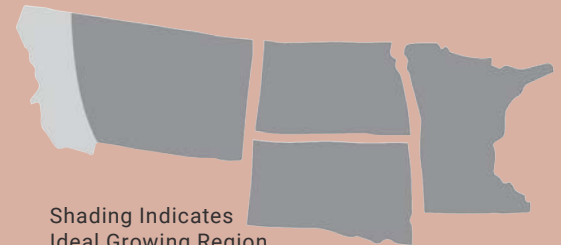
CHARACTERISTICS

Yield: **Very High**

Test Weight: **Very High**

Disease: **MR for Crown Rust**

Height: **Medium**



Developed by Agriculture & Agri-Food Canada, Swift Current

ORE3541M

- High Test Weight
- Resistant to Crown Rust and Smut
- Grain or Forage Type



CHARACTERISTICS

Yield: **High**

Straw Strength: **Strong**

Maturity: **Average**

Height: **Medium**

OAT
ADVANTAGE

OAT

ND CISA



OAT

ROCKFORD

- Grain or Forage Type
- High Test Weight



CHARACTERISTICS

Yield: **High**Straw Strength: **Strong**Maturity: **Late**Height: **Tall**
NDSU NORTH DAKOTA
STATE UNIVERSITY


NDCISA consistently brings in the top of the line genetics suited for our local environment to allow each producer success on their farm.

LUKE MAHLEN: MCLEAN COUNTY SEED PRODUCER

NOTES

2024 NDSU LANGDON RESEARCH EXTENSION CENTER VARIETY TRIAL

VARIETY	DAYS TO HEADING	PLANT HEIGHT	TEST WEIGHT	CROWN RUST	LODGING	2022	2023	2024	2-YR. AVG	3-YR. AVG
		(IN.)	(LB/BU)	(1-9)	(1-9)	(BU/A)	(BU/A)	(BU/A)	(BU/A)	(BU/A)
AAC DOUGLAS	55.2	44.8	34.5	7	2	187.3	156.2	144.6	150.5	162.7
BEACH	56.1	47.9	41.2	1	4	160.4	119.4	153.3	136.4	144.4
CS CAMDEN	56.6	42.4	32.5	7	1	197.3	142.6	142.6	142.6	160.8
DEON	61.3	47.2	37.3	1	4	185.3	180.1	180.1	162.5	170.1
CDC ENDURE	57.2	45.5	36.2	3	1	--	153.1	177.0	165.0	--
HIFI	57.9	48.3	37.5	2	2	184.7	137.2	166.8	152.0	162.9
JURY	56.4	52.3	36.3	2	8	182.9	139.7	183.9	161.8	168.8
KILLDEER	55.7	40.5	35.5	2	4	189.3	128.0	170.7	149.3	162.7
LEGGETT	58.2	44.6	37.9	1	4	186.3	140.1	173.1	156.6	166.5
MN PEARL	57.2	45.9	37.1	1	2	191.8	128.8	186.0	157.4	168.9
ND CARSON	57.7	45.5	37.3	2	1	205.0	148.0	187.7	167.9	180.2
ND CREMA (HL)	61.0	49.7	44.5	1	4	124.5	87.0	103.4	95.2	105.0
ND HEART	55.9	47.4	38.4	1	4	174.9	126.8	162.7	144.7	154.8
ND SPILDE	56.6	48.9	36.7	1	5	186.6	148.1	178.2	163.2	171.0
NEWBURG	60.4	46.9	34.8	2	4	204.6	135.7	182.0	158.9	174.1
OTANA	59.0	49.3	35.7	4	8	164.7	145.4	151.3	148.3	153.8
PAUL (HL)	62.1	48.6	43.5	1	7	126.0	91.0	115.0	103.0	110.7
ROCKFORD	60.0	50.8	38.7	3	2	182.2	126.8	159.7	143.2	156.2
SD BUFFALO	55.4	48.9	39.2	1	4	189.2	132.	176.6	154.3	165.9
SD MOMENTUM	61.6	54.7	40.7	1	7	--	--	173.1	--	--
SD TITAN	56.6	51.1	39.0	1	5	--	--	173.2	--	--
TRIAL MEAN	45.9	47.4	38.3	1.7	3.8	179.1	133.2	167.1	--	--

NOTES

VARIETIES YOU CAN DEPEND ON FOR SUCCESS



PULSES



ND CROWN



ND Crown was released in 2020 by the NDSU pulse crops breeding and genetics program. It is a high-yielding kabuli chickpea that consistently produces large seed, is resistant to lodging with great standability, and comparable maturity to commercial cultivars like CDC Frontier and CDC Orion. In addition, ND Crown exhibits moderate resistance to Ascochyta blight, and shines under high disease pressure, displaying significantly lower Ascochyta blight severity than CDC Frontier and CDC Orion.

NDSU NORTH DAKOTA
STATE UNIVERSITY

CHARACTERISTICS

Yield: **Very High**

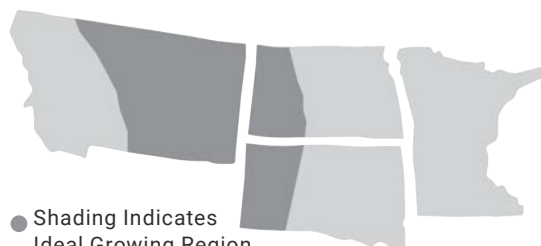
Seed Size: **Large**

Height: **Tall**



AVONDALE LENTIL

- Excellent Agronomic Performance
- High Seed Quality
- Excellent Standability



CHARACTERISTICS

Yield: **High**

Type: **Medium Green**

Maturity: **Medium**

Height: **Medium**

Developed by USDA Pulse Program
Pullman WA

ND DAWN FIELD PEA

- Smooth Seed Coat
- Large Seed
- Average Protein
- Seed Type, Yellow Cotyledon



CHARACTERISTICS

Yield: **High**
 Standability: **Strong**
 Maturity: **Medium**
 Height: **Medium**

NDSU NORTH DAKOTA
STATE UNIVERSITY

AAC JULIUS



AAC Julius is a new high yielding yellow pea with an overall smaller seed size that growers are looking for. AAC Julius has good protein, it's resistant to powdery mildew, and is resistant to shattering with its strong seed coat. This very stable semi-leafless yellow pea will be an excellent choice for many producers in the region

CHARACTERISTICS

Yield: **High**
 Protein Package: **Strong**
 Height: **Tall**
 Seed Size: **Small**



Developed by Agriculture &
Agri-Food Canada, Swift Current



CAPHORN FIELD PEA

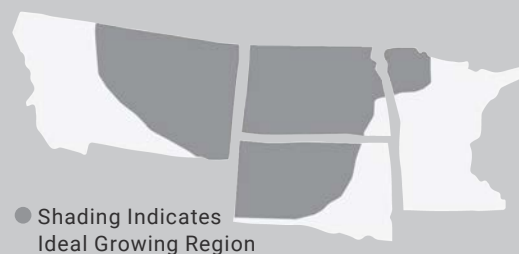


Caphorn is a mid-maturity yellow pea with the seed size and protein pulse processors are looking for. Caphorn also has a good upright growth habit and is resistant to lodging, making it very easy to harvest. With its high yield, coupled with a strong seed coat, Caphorn will be an excellent choice for any field pea producer in the region.



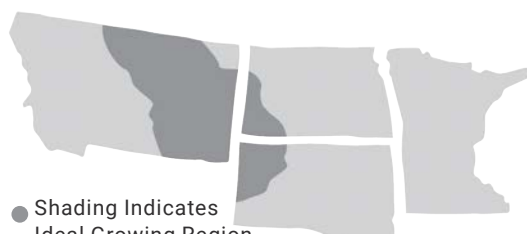
CHARACTERISTICS

Yield: **High**
 Height: **Medium**
 Standability: **Good**
 Protein: **Above Average**



HAMPTON FIELD PEA

- Good Resistance to Lodging
- Resistant to Fusarium Wilt
- Semi Dwarf
- Semi Leafless



CHARACTERISTICS

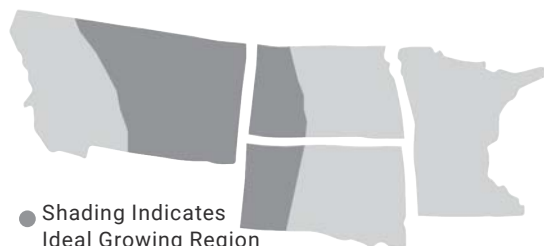
Yield: **High**
 Seed Color: **Green Cotelydon**

Developed by USDA Pulse Program
 Pullman WA

PULSES

ND EAGLE LENTIL

- Excellent Agronomic Performance
- High Seed Quality
- Excellent Standability



CHARACTERISTICS

Yield: **High**
 Type: **Small Green**
 Maturity: **Medium**
 Height: **Medium**

NDSU NORTH DAKOTA
STATE UNIVERSITY

ND VICTORY

'ND Victory' is the first semi-leafless, green cotyledon field pea cultivar developed by the North Dakota State University Pulse Crops Breeding Program. This high yielding field pea has white flowers, with excellent plant height and standability. ND Victory is resistant to powdery mildew and moderately resistant to Ascochyta blight. ND Victory also has a low disease severity to Fusarium root rot. Overall ND Victory seed quality exceeds the industry standards with opaque seed coat, smooth round seed, and high protein. ND Victory has a protein content of 25.2%, exceeding the premium protein threshold of 24% that the processing industry is looking for. ND Victory will be a good fit for any green pea producers in the region.

CHARACTERISTICS

Yield: **High**
 Standability: **Strong**
 Height: **Tall**
 Maturity: **Late**



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STATE UNIVERSITY

VARIETY	DAYS TO FLOWER	DAYS TO MATURE	CANOPY HEIGHT	LODGING	SEED PROTEIN	1,000 SEED WT.	SEEDS LB	TEST WEIGHT	SEED YIELD		
									2024	2-YR. AVG.	3-YR. AVG.
	DAP1	DAP1	INCHES	0 - 92	%	GM	SEEDS	LB/BU	BUSHEL PER ACRE		
YELLOW COTYLEDON TYPE											
AAC CHROME	54	87	22	3	27.1	202	2250	61.9	28.4	50.9	46.6
AAC JULIUS	54	87	24	3	28.1	198	2292	62.4	29.3	47.8	45.7
AAC PROFIT	54	87	27	3	29.6	184	2483	62.2	28.8	47.2	45.7
CAPHORN	52	87	24	3	28.9	221	2075	61.2	31.6	--	--
CDC BOUNDLESS	55	88	25	3	28.4	190	2403	62.5	29.6	--	--
DS ADMIRAL	52	86	23	4	27.7	217	2092	61.2	28.3	44.9	46.1
MS GROWPRO	55	87	26	2	28.0	179	2533	62.8	33.6	47.0	44.1
ND DAWN	54	87	23	3	27.3	207	2195	61.5	32.3	46.9	46.1
ORCHESTRA	52	87	23	4	29.6	242	1874	62.1	29.6	44.0	42.1
MEAN	54	87	24	3	28	204	2244	62	30	37	35
GREEN COTYLEDON TYPE											
CDC STRIKER	54	87	23	4	29.4	200	2283	61.2	19.0	39.3	38.5
ND VICTORY	56	89	27	4	28.7	139	3281	61.5	19.9	41.4	41.0
SHAMROCK	55	88	24	3	26.9	209	2169	61.5	23.9	42.9	40.8
MEAN	55	88	25	4	28	183	2578	61	21	41	40

NOTES

PLANT PERFORMANCE HARVEST EXCELLENCE



RYE

RYE

ND DYLAN

- Improved Grain Production Over All Current Varieties
- Excellent Winter Hardness



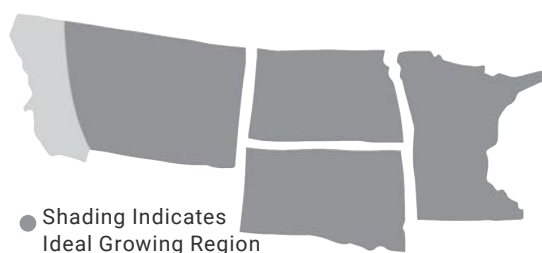
CHARACTERISTICS

Yield: **High**
 Straw Strength: **Strong**
 Maturity: **Medium-Late**
 Height: **Tall**

NDSU NORTH DAKOTA STATE UNIVERSITY

ND GARDNER

- Forage/Cover Crop Type
- Fast Canopy Establishment



CHARACTERISTICS

Yield: **Good**
 Straw Strength: **Strong**
 Maturity: **Very Early**
 Height: **Tall**
 Winter Hardiness: **Very Good**

NDSU NORTH DAKOTA STATE UNIVERSITY



With NDCISA being a member-run, non-profit association; the grower elected board of directors decide the direction, goals, and ultimate mission of the NDCISA. This ensures that when the growers choose to invest in seed from the NDCISA, they are investing in a seed organization that is putting the needs of the farmer first.

LUKE ANDERSON: SARGENT COUNTY SEED PRODUCER



RYE

NDCISA

SOYBEAN PRODUCTS BRED FOR YOUR FIELD



SOYBEAN

SOYBEAN

ND ROLETTE

- Purple Flower Color
- Gray Pubescence
- Tan Pod Color, Buff Hila With A Dull Seedcoat
- Good IDC Tolerance



CHARACTERISTICS

Yield: **High**
 Relative Maturity: **Early**
 Height: **Medium**
 Maturity Group: **00.7**

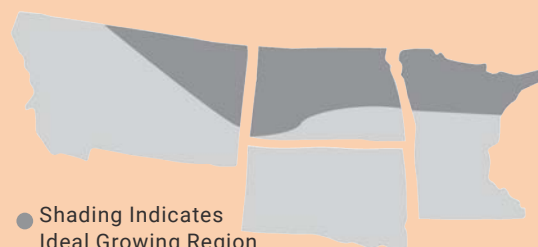
NDSU NORTH DAKOTA
STATE UNIVERSITY

ND17009GT

The appearance of ND17009GT includes a white flower, brown pod color, tawny pubescence, and black hila with a shiny seed coat luster. It has a high yield potential, is resistant to glyphosate, and is moderately tolerant to iron-deficiency chlorosis. This variety is a good fit for the northern areas of North Dakota because of its relative maturity of 00.9.

CHARACTERISTICS

Yield: **High**
 Relative Maturity: **Early**
 Height: **Medium**
 Maturity Group: **00.9**



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SOYBEAN

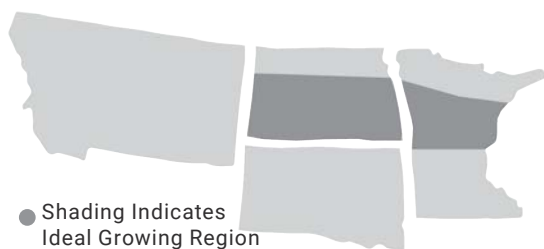
NDCISA



SOYBEAN

ND BENSON

- SCN Resistance
- Conventional Type
- White Flower Color
- Gray Pubescence
- Tan Pod Color And Buff Hila With Dull Seed Coat Luster



CHARACTERISTICS

Yield: **High**
 Relative Maturity: **Medium**
 Height: **Medium**
 Maturity Group: **0.4**

NDSU NORTH DAKOTA STATE UNIVERSITY

ND DICKEY

- Medium IDC
- Purple Flower Color
- Gray Pubescence Color
- Tan Pods With Yellow Hila Color And Dull Seed Coat Luster



CHARACTERISTICS

Yield: **High**
 Relative Maturity: **Early**
 Height: **Medium**
 Maturity Group: **0.7**

NDSU NORTH DAKOTA STATE UNIVERSITY



NDCISA is constantly working with numerous breeders to continuously keep bringing the best genetics to farmers' fields every year.

PARKER GATES: RENVILLE COUNTY SEED PRODUCER



SOYBEAN

ND STUTSMAN

- Purple Flower Color
- Gray Pubescence
- Brown Pod Color And Yellow Hila With Dull Seed Coat Luster
- Resistant to Lodging



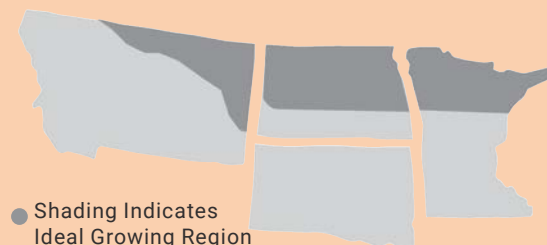
CHARACTERISTICS

Yield: **High**Relative Maturity: **Medium-Late**Height: **Medium**Maturity Group: **0.7**
NDSU NORTH DAKOTA
STATE UNIVERSITY

ND21008GT20

Tested as (ND14-6120), ND21008GT20 is a 00.8 maturity glyphosate tolerant (GT) soybean with a high yield potential similar to 'ND17009GT', but has a much-improved tolerance to IDC with a score of 1.8. ND21008GT20 has a competitive yield package similar to many company RR2 types. ND21008GT20 is resistant to Race 4 of phytophthora root rot. It should be noted that ND21008GT20 is susceptible to Soybean Cyst Nematode. ND21008GT20 has purple flower color, tawny pubescence, brown pod with gray hila and dull seed coat luster.

CHARACTERISTICS

Yield: **High**Relative Maturity: **Early**Height: **Medium**Maturity Group: **00.8**
NDSU NORTH DAKOTA
STATE UNIVERSITY

ND2108GT73

ND2108GT73 is the first NDSU GT soybean released that has a maturity suitable for central and southern North Dakota. ND2108GT73 has moderate tolerance to IDC with a score of 2.7 and is resistant to lodging. It should be noted that ND2108GT73 is susceptible to Soybean Cyst Nematode. ND2108GT73 has a white flower, tawny pubescence, brown pod color, dull seed coat, and yellow hila color. ND2108GT73 is a genetically modified organism with an off patent RR1 gene.



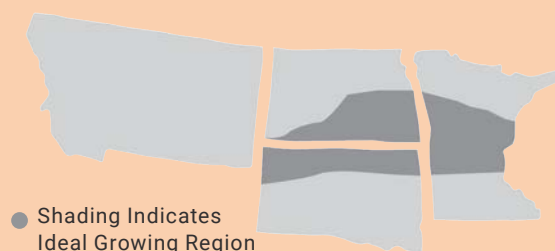
CHARACTERISTICS

Yield: **High**

Relative Maturity: **Late**

Height: **Tall**

Maturity Group: **0.8**



NOTES

2024 SOYBEAN - GT | LOCATION: LANGDON

BRAND	VARIETY	TRAIT	MATURITY GROUP	MATURITY DATE	PLANT HEIGHT	OIL	PROTEIN	2024	2-YR. AVG.
					INCHES	(%)	(%)	BU/A	BU/A
THUNDER SEED	TX8402N	RR2XF	0.2	9/24	32	14.5	35.2	55.7	46.4
PROSEED	XF 30-062	RR2XF	00.6	9/19	27	15.6	33.5	56.5	44.3
NDSU	ND17009GT	GT	00.9	9/23	32	16.1	36.5	48.5	38.8
NDSU	ND21008GT20	GT	00.8	9/22	32	15.2	35.4	54.5	41.5
INTEGRA	XF0063	RR2XF	00.6	9/21	26	15.6	33.7	52.7	43.6
INTEGRA	XF0082	RR2XF	00.9	9/25	28	15.4	34.5	49.5	41.0
CHANNEL	00924RXF	RR2XF	00.9	9/24	30	15.0	33.0	56.6	--
ALLEGiant	01F24N	RR2XF	0.1	9/25	32	14.6	34.8	55.1	--
TRIAL MEAN	--	--	--		29.9	15.3	34.6	53.6	--

2024 SOYBEAN - CONVENTIONAL | LOCATION: LANGDON

BRAND	VARIETY	MATURITY GROUP ¹	MATURITY DATE ²	PLANT HEIGHT	OIL	PROTEIN	2024	2-YR. AVG.	2-SITE AVG ³
				INCHES	(%)	(%)		BU/A	BU/A
LEGACY	LS0090-20C	00.7	9/22	28	15.6	38.2	54.7	40.9	48.7
LEGACY	LSX020-23C	0.2	9/23	32	15.6	36.7	57.3	47.8	55.3
NDSU	ND BENSON	0.4	9/29	33	15.7	35.4	58.4	46.2	61.2
NDSU	ND ROLETTE	00.9	9/23	30	15.9	34.1	60.3	47.8	61.1
PETERSON FARM	HANA	00.9	9/25	31	14.9	38.2	63.0	--	61.0
PROSEED	PC 50-099	00.9	9/23	33	15.6	35.9	52.8	--	56.7
RICHLAND IFC	MK009	00.9	9/26	29	15.3	33.8	49.4	40.0	50.6
RICHLAND IFC	MK0249	0.2	9/28	27	15.4	33.8	54.5	45.5	53.3
TRIAL MEAN	--	--	--	30.3	15.7	35.1	58.6	--	

NOTES

LEARN MORE ABOUT OUR VARIETIES

CONTACT YOUR LOCAL DEALER OR SCAN THE QR CODE TO
FIND A DEALER NEAR YOU. ndcropimprovement.com





BECOME A MEMBER

NDCISA encourages anyone interested in the certified seed industry to become a member. NDCISA's mission is to access the latest in cutting edge genetics best suited for your farm while actively supporting public breeding programs in the region with financial support. Your membership will allow access to new varieties, various advertising items to sell your seed, quarterly newsletters and reports generated for our members.

MEMBERSHIP

For more information about the organization and how to become a member visit our website at ndcropimprovement.com.



REGIONAL SEED DEALERS

F=FOUNDATION SEED | R=REGISTERED SEED | C=CERTIFIED SEED | C/O=CARRY OVER SEED

COUNTY	NAME, CITY	PHONE #	CLASS
BARLEY			
ABI CARDINAL			
Benson	BK Seeds Inc, Maddock	701-438-2701	C/O
Benson	Biby, Steve, Churchs Ferry	701-351-1304	R
Benson	BK Seeds Inc, Maddock	701-438-2701	R
Benson	Ellingson, Noah, Maddock	701-351-8004	R
Benson	Herman Seed, Brinsmade	701-739-8332	R & C
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Cass	Buchholz Seed Farm, Durbin	701-730-2230	C & C/O
Cavalier	Beck Bros Seed, Munich	701-370-8977	C & C/O
Cavalier	Dicks` Seed LLC, Munich	701-682-5151	R
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Mercer	Miller, Max, Hazen	701-487-3616	C

Nelson	Stein, Charles, McVilleville	701-351-3643	C & C/O
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
Ward	Whillock, Dusty, Kenmare	701-389-2364	C

CDC FRASER

Benson	Biby, Steve, Churchs Ferry	701-351-1304	R
Benson	Foss, Scott, Maddock	701-438-2428	R
Benson	Herman Seed, Brinsmade	701-739-8332	C
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Grand Forks	Hertz, Melvin & Blayne, Glen Ullin	701-348-3238	R

ND TREASURE

Barnes	Broten Farms, Dazey	701-840-8082	C
Barnes	Muncy, Bruce, Dazey	701-840-2110	C
Barnes	Undem, Marty, Rogers	701-646-6441	C
Benson	Herman Seed, Brinsmade	701-739-8332	C
Burke	Christiansen Farm Inc, Flaxton	701-596-3870	R
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	C/O
Cavalier	Dicks` Seed LLC, Munich	701-682-5151	C
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F & C/O
Grand Forks	Jodock, Karl, Northwood	218-779-6498	R
Nelson	Steffan Farms Seed, Michigan	701-247-3658	C & C/O
Ramsey	Grohs, Justin, Lawton	701-741-2085	C/O
Renville	Mahlum, Robert, Kenmare	701-467-3211	R
Towner	Halley, Jeremiah, Bisbee	701-261-0714	C/O
Towner	Lagein Seed Farms, Rock Lake	701-266-5357	C & C/O
Walsh	Bina, Cameron, Lankin	701-593-6329	C
Walsh	Sundvor, Robert, Edinburg	701-993-8182	R
Williams	Williston Research Ext Center, Williston	701-774-4315	F

TRADITION

Barnes	Broten Farms, Dazey	701-840-8082	C
Barnes	Muncy, Bruce, Dazey	701-840-2110	C
Benson	Haagenson, Lorin, Leeds	701-466-2814	C
Benson	Herman Seed, Brinsmade	701-739-8332	C
Benson	Keller, Raphael, Leeds	701-740-8306	C
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Cavalier	Beck Bros Seed, Munich	701-370-8977	C/O
Cavalier	Monson, David, Osnabrock	701-496-3394	C/O
Cavalier	Beck Bros Seed, Munich	701-370-8977	C
Cavalier	Haraseth, Rodney, Nekoma	701-256-4510	C & C/O
Mercer	Miller, Ryan and Nicholas, Hazen	701-891-2043	C
Nelson	Ellingson, Terry A, Dahlen	701-384-6225	C
Ramsey	CHS Devils Lake, Devils Lake	701-662-5051	C/O
Ramsey	Webster Farms, Penn	701-230-9865	C/O
Richland	Goerger Seed Company, Mantador	701-640-0777	C/O
Stutsman	Greshik, Matthew, Jamestown	701-320-5622	C/O
Towner	Lagein Seed Farms, Rock Lake	701-266-5357	C & C/O
Walsh	Matejcek, Kent & Kevin, Bocket	701-270-0269	C/O

CHICKPEA

ND CROWN

Golden Valley	Zook, Michael, Beach	701-872-6109	R
McLean	Johnson, Dwight, Roseglen	701-743-4230	R
Mercer	Miller, Max, Hazen	701-487-3616	R
Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	R
Slope	Lorge, Farrell, Amidon	701-879-6316	R
Ward	Finken Farms Partnership, Douglas	651-792-5920	R
Williams	Anderson, Beau, Williston	701-875-2328	R
Williams	Anfinson, David, Williston	701-572-6497	R
Williams	Champion Farms Inc, Ray	701-568-4030	R
Williams	Knox, Donald, Ray	701-570-2390	R
Williams	Schmidt, Mark W, Tioga	701-641-8989	R
Williams	Williston Research Ext Center, Williston	701-774-4315	F

DURUM

AAC STRONGHOLD

Cass	NDCISA - WREC, West Fargo	701-893-6069	R
Divide	Anderson Seed and Grain LLC, Minot	701-340-2263	R
Divide	Norby, Carlyle M, Grenora	701-694-4411	R & C
McKenzie	Custom Grain and Seed (Keene), Keene	701-675-2550	C
McKenzie	Signalness, Jason, Watford City	701-770-0926	R & C
Sheridan (MT)	Daneville Farms Inc, Plentywood	406-765-2161	C
Ward	Anderson, Garrett, Minot	701-340-7133	R
Wells	Agronomy Solutions LLC dba Hefty Seed, Hurdsfield	701-962-3343	C & C/O
Williams	Mahlen, Luke, Williston	701-570-4790	C/O
Williams	Knox, Donald, Ray	701-570-2390	R
Williams	Stewart, John, Williston	701-770-0270	R

CDC DEFY

LaMoure	B & B Seed Farms, Jud	701-685-2263	C
McKenzie	Custom Grain and Seed (Keene), Keene	701-675-2550	C
McKenzie	Dahl, Nevin, Watford City	701-842-3907	C
McKenzie	Rolfsrud, David, Keene	701-421-3216	C
McKenzie	Signalness, Jason, Watford City	701-770-0926	C
McKenzie	Wahlstrom, Cameron, Alexander	701-770-6631	C
McKenzie	Wisness Ag Seed Service, Arnegard	701-770-1927	C
McKenzie	Wisness Seed Farm, Arnegard	701-586-3763	C
Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	R & C
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	C
Ward	Genesis Seed Solutions LLC, Berthold	701-453-3687	C
Wells	Kost, Dustin, Cathay	701-984-2585	R
Williams	Knox, Donald, Ray	701-570-2390	C
Williams	Pederson, Jeremy, Ray	701-441-9543	R

ND RIVELAND

Benson	Herman Seed, Brinsmade	701-739-8332	C
Cavalier	Beck Bros Seed, Munich	701-370-8977	R & C

Cavalier	Gustafson, Ryan, Langdon	701-370-9026	C
Dickey	Nelson, Ben, LaMoure	701-320-6231	R
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
Grand Forks	Sproule Farms, Grand Forks	701-780-9616	C
Hettinger	R & R Grain (Russell Schauer), Regent	701-563-7338	R
McKenzie	Arnegard, Cameron, Arnegard	701-586-3542	R
McKenzie	Bruins, Steven, Arnegard	701-770-1713	R
Mercer	Knell, Gary, Hazen	701-870-3314	R
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C
Richland	Miller Farms Partnership, Dan, Fairmount	701-474-5536	R
Ward	Dakota Agronomy Partners LLC, Minot	701-852-5608	C/O
Ward	North Central Res/Ext Center, Minot	701-857-7677	F & C/O
Ward	Vangsness, Stanley, Berthold	701-833-0503	C/O
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	R
Ward	Vangsness, Stanley, Berthold	701-468-5520	C
Wells	Agronomy Solutions dba Hefty Seed, Hurdsfield	701-962-3343	C & C/O
Williams	Hickel, Hal, Ray	701-570-3469	C/O
Williams	Williston Research Ext Center, Williston	701-774-4315	F

ND STANLEY

Benson	Herman Seed, Brinsmade	701-739-8332	R & C
Burke	Weinmann, Richard E, Powers Lake	701-339-1182	R
Burleigh	Agronomy Solutions dba Hefty Seed, Wilton	701-734-5866	R
Burleigh	Fisher, Mark & Dean, Bismarck	701-391-2795	R
Cavalier	Beck Bros Seed, Munich	701-370-8977	R & C
Cavalier	Dicks` Seed LLC, Munich	701-682-5151	R
Dickey	Nelson, Ben, LaMoure	701-320-6231	C
Divide	Tre Farms, Wildrose	701-539-2338	C
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
Golden Valley	Zook, Michael, Beach	701-872-6109	C/O
Golden Valley	Hardy, Don K, Beach	701-872-4353	C
Hettinger	Olson, Michael, New England	701-541-2841	C
Hettinger	Rafferty, Jerald, New England	701-563-4763	C
LaMoure	B & B Seed Farms, Jud	701-685-2263	C
McIntosh	Welk, Corey & Jeff Herr, Wishek	701-212-9843	C
McLean	Doepke, Wes, Wilton	701-462-3576	C
Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	C
Pierce	Ostrem, Mark, Rugby	701-776-2878	C
Renville	Ackerson, Sheldon, Sherwood	701-833-2763	R
Slope	Nielsen, Stuart D, New England	701-579-4239	C & C/O
Slope	Olson, Scott, New England	701-275-8889	C
Stark	Binstock, Justin, Dickinson	701-290-6807	C
Towner	Mickelson, Tim, Rolla	701-477-2203	C
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	R & C
Ward	Deaver, Denver, Berthold	701-240-5148	C
Ward	North Central Res/Ext Center, Minot	701-857-7677	F
Ward	Opland, Matthew, Des Lacs	701-720-9295	C
Ward	Vangsness, Stanley, Berthold	701-468-5520	R & C
Ward	Zablotney, Travis, Minot	701-721-2188	C
Wells	Agronomy Solutions LLC dba Hefty Seed, Hurdsfield	701-962-3343	C & C/O
Wells	Kartes, Lynn M, Sykeston	701-984-2216	R
Williams	Anderson, Beau, Williston	701-875-2328	C

Williams	Graupe, Jeff, Williston	701-774-0093	C
Williams	Knox, Donald, Ray	701-570-2390	C
Williams	Mortenson Farm Partners, Williston	701-770-0942	C

FIELD PEA

AAC JULIUS

Cavalier	Dicks` Seed LLC, Munich	701-682-5151	R
Divide	Larson, Kevin L, Alamo	701-528-4652	R
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F & C/O
McKenzie	Aasen, Charles, Alexander	701-770-6369	R
McLean	Scheresky, Galen, Max	701-679-2578	R
Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	R & C
Mountrail	Great Northern Ag, Plaza	701-497-3082	F
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Renville	Gates Farm, Mohall	701-240-0500	C
Renville	Hedberg, Travis, Minot	701-240-8923	C
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	R & C
Ward	Miller Golden Acres Inc (Doug), Kenmare	701-721-1107	C
Ward	Whillock, Dusty, Kenmare	701-389-2364	C
Williams	Miller, Charles, Williston	701-570-1706	R
Williams	Pederson, Jeremy, Ray	701-441-9543	R
Williams	Stewart, John, Williston	701-770-0270	R & C
Williams	Wheeler, Thomas, Ray	701-568-3204	R

CAPHORN (DL 1814)

Eddy	Seastrand, Mark, Sheyenne	701-720-8324	C
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F & C/O

ICONIC

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
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ND DAWN

Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Williams	Hickel, Hal, Ray	701-568-3927	C

ND VICTORY

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Golden Valley	Hardy, Don K, Beach	701-872-4353	R
Grand Forks	Nusviken, Wayne, Larimore	701-360-2625	R

FLAX

AAC BRIGHT

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
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CDC ROWLAND

Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	C/O
Cavalier	Dicks` Seed LLC, Munich	701-682-5151	C
Divide	Anderson Seed & Grain LLC, Minot	701-340-2263	C/O
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
McKenzie	Wahlstrom, Cameron, Alexander	701-770-6631	C & C/O
McLean	Johnson, Dwight, Roseglen	701-743-4230	C/O

Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	C
Pierce	Ostrem, Mark, Rugby	701-776-2878	R
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
Ward	Whillock, Dusty, Kenmare	701-389-2364	C
Williams	Mahlen, Luke, Williston	701-570-4790	C & C/O

LENTIL

AVONDALE

Divide	Anderson Seed and Grain LLC, Minot	701-340-2263	R
McLean	Johnson, Dwight, Roseglen	701-743-4230	R
Mountrail	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	R

OATS

AAC DOUGLAS

Burke	Christiansen Farm Inc, Flaxton	701-596-3870	R
LaMoure	B & B Seed Farms, Jud	701-685-2263	C
Renville	Mahlum, Robert, Kenmare	701-467-3211	R
Walsh	Bina, Cameron, Lankin	701-593-6329	R
Walsh	Matejcek, Kent & Kevin, Bocket	701-270-0269	R

CDC HAYMAKER

Brookings (SD)	Millborn Seeds Inc, Brookings	605-646-4225	C
Cass	NDCISA - WREC, West Fargo	701-893-6069	F

ND CARSON

Barnes	Albrecht Farms, Wimbledon	701-435-2245	C
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ND SPILDE

Cass	Agronomy Seed Farm, Casselton	701-347-4743	F
LaMoure	Wald, David, Edgeley	701-493-2385	R
Richland	Hardie Grain Farm, Fairmount	701-899-4000	R
Wells	Schafer, Jeff, New Rockford	701-947-2568	C

ORE BOOST

Walsh	Bina, Cameron, Lankin	701-593-6329	R
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ROCKFORD

Bottineau	Peterson, Darwin & Matt, Antler	701-263-1535	C
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AAC DOUGLAS

Bottineau	Skarphol, Jeff, Souris	701-263-5191	C/O
Lamoure	B & B Seed Farms, Jud	701-685-2263	C/O
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	C/O

ND CARSON

Barnes	Albrecht Farms, Wimbledon	701-320-2807	C/O
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O

ND HEART

Golden Valley	Zook, Michael, Beach	701-872-6109	C/O
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ND SPILDE

Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
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SOURIS

Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
Pembina	Wagner, William, Neche	701-520-2513	R

SOYBEANS**ND BENSON**

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
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ND DICKEY

Burleigh	Pulse USA Inc, Bismarck	701-530-0734	C/O
Cass	Buchholz Seed Farm, Durbin	701-730-2230	R
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
LaMoure	Ketterling, Casey, Marion	701-367-7796	R

ND ROLETTE

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Ward	Zablotney, Travis, Minot	701-721-2188	R

ND STUTSMAN

Foster	Carrington Res/Ext Center, Carrington	701-652-2951	F
Lamoure	B & B Seed Farms, Jud	701-685-2263	C/O
LaMoure	Ketterling, Casey, Marion	701-367-7796	C

ND17009GT

Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	F
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O

ND21008GT20

Cass	Agronomy Seed Farm, Casselton	701-347-4743	F
Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	F
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Mountrial	C & C Farms LLP (Troy Coons), Donnybrook	701-482-7865	C
Pierce	Ostrem, Mark, Rugby	701-776-2878	C
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O

ND2108GT73

Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O

WINTER RYE**ND DYLAN**

Cavalier	Monson, David, Osnabrock	701-496-3394	C & C/O
Grand Forks	Sproule Farms, Grand Forks	701-780-9616	R & C
Stutsman	Dewald, Craig J, Streeter	701-331-1474	R

ND GARDNER

Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Stutsman	Dewald, Craig J, Streeter	701-331-1474	R
Walsh	Bina, Cameron, Lankin	701-593-6329	R

HARD RED SPRING WHEAT

AAC STARBUCK

Cavalier	Dicks` Seed LLC, Munich	701-682-5151	R
Mountrail	Great Northern Ag, Plaza	701-497-3082	C
Nelson	Stein, Charles, McVillie	701-351-3643	F, R, & C/O
Ward	Miller Golden Acres Inc (Doug), Kenmare	701-721-1107	C

CDC LANDMARK

Divide	Anderson Seed and Grain LLC, Minot	701-340-2263	C
Ramsey	Wass, Cory, Starkweather	701-370-9035	C
Ward	Anderson, Garrett, Minot	701-340-7133	C

ND FROHBURG

Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	C/O
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
McLean	Tweeten Seed Farm, Washburn	701-315-0112	C & C/O
Nelson	Steffan, John & David, Michigan	701-247-3058	C/O
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	C/O
Wells	Bollingberg Seed Company	701-984-2486	C/O

ND HERON

Bowman	Lutes, Jeff, Bowman	701-523-3803	C
Burke	Christiansen Farm Inc, Flaxton	701-596-3870	R
Divide	Anderson Seed & Grain LLC, Minot	701-340-2263	C/O
Dunn	Flaget, William, Halliday	701-938-4688	C
Hettinger	Kouba, Carson, Regent	701-563-7800	C/O
Kidder	DeKrey, Tim, Steele	701-391-9745	R
McKenzie	Wisness Ag Seed Service, Arnegard	701-770-1927	C
McKenzie	Wisness Seed Farm, Arnegard	701-586-3763	C
Towner	Mickelson, Tim, Rolla	701-477-2203	C
Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O

ND THRESHER

Benson	Biby, Steve, Churchs Ferry	701-351-1304	R
Bowman	Lutes, Jeff, Bowman	701-523-3803	R
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Cass	Boyle, Kelly, Alice	701-689-6464	R
Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	C/O
Cavalier	Hart, Brian, Wales	701-370-1722	R
Cavalier	Langdon Research Ext Center, Langdon	701-256-2582	F
Cavalier	Rush Lake Seed Farm LLC, Wales	701-370-1933	R
Cavalier	Schneider Farms, Mark & Shauna, Langdon	701-283-5128	R
Cavalier	Stremick, Corey, Langdon	701-256-5271	R
Foster	Carrington Res/Ext Center, Carrington	701-652-2951	C/O
Golden Valley	Hardy, Don K, Beach	701-872-4353	R
Grand Forks	H C Nelson Farms, Thompson	701-739-2369	R
Grand Forks	Jodock, Brian, Northwood	701-587-6076	R
Hettinger	Doe, Bryan, Regent	701-563-4333	R
Nelson	Steffan Farms Seed, Michigan	701-247-3658	R
Pembina	Schluchter, Kent W, Cavalier	701-265-8879	R

Pierce	Johnson, Cory, Rugby	701-771-2754	R
Ramsey	Windjue Farms, Devils Lake	701-230-3680	R
Ransom	Dagman, Travis, Enderlin	701-680-7926	R
Sargent	Anderson Seed Farms Inc, Forman	320-510-1070	R
Stark	Bobb, Jim, Taylor	701-974-3439	R
Towner	Lagein Seed Farms, Rock Lake	701-266-5357	R
Traill	Lockhart, Ross, Grandin	701-484-2516	R
Traill	Mueller Farms, Hillsboro	701-799-3032	R
Walsh	Sundvor, Robert, Edinburg	701-993-8182	R
Ward	Birdsall Grain & Seed LLC, Berthold	701-453-3300	R
Ward	Zablotney, Travis, Minot	701-721-2188	R

ND VITPRO

Ward	North Central Res/Ext Center, Minot	701-857-7677	C/O
Wells	Klindworth Seed and Bean Co Inc, Fessenden	701-547-3742	C/O

HARD RED WINTER WHEAT

AAC GOLDRUSH

Ward	Anderson, Garrett, Minot	701-340-7133	R
Williams	Knox, Donald, Ray	701-570-2390	R

ND ALLISON

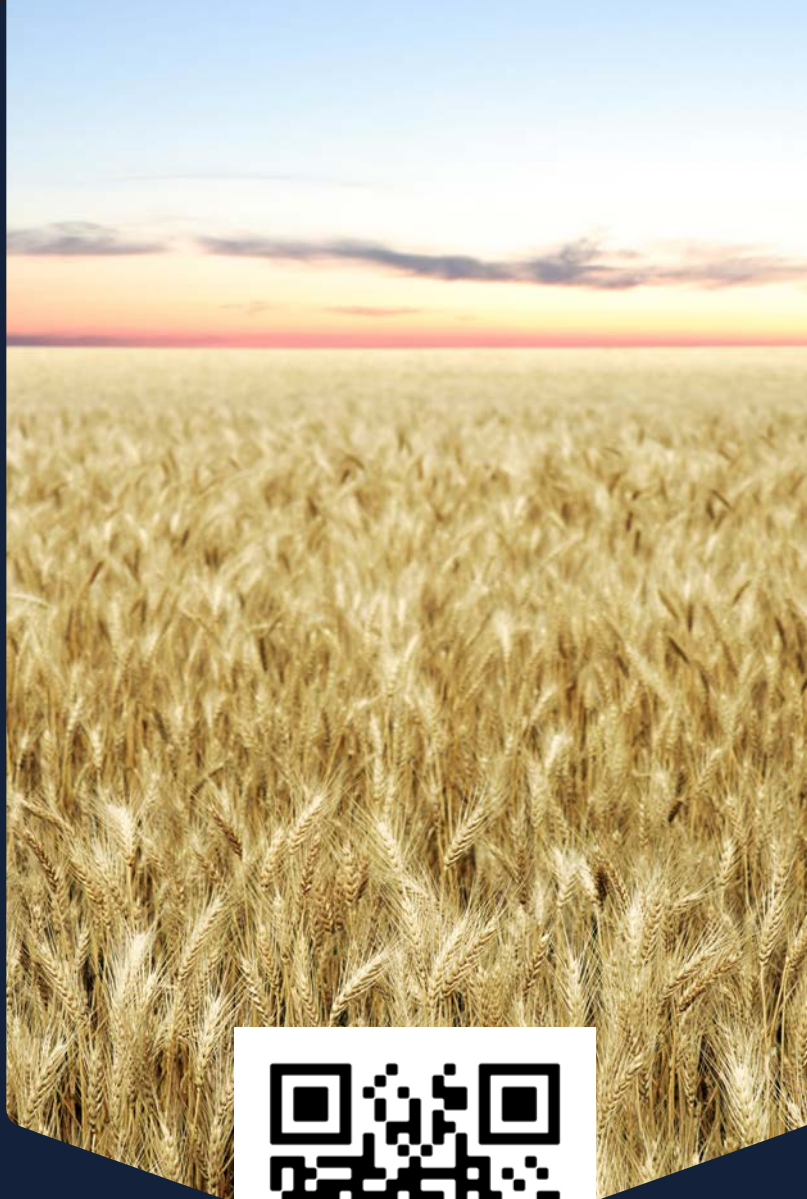
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Golden Valley	Hardy, Don K, Beach	701-872-4353	R
LaMoure	B & B Seed Farms, Jud	701-685-2263	R
Pembina	Schluchter, Kent W, Cavalier	701-265-8879	R
Williams	Champion Farms Inc, Ray	701-568-4030	R
Williams	Kjorstad, Brent, Williston	701-770-0406	R
Williams	Perdue, Steve, Ray	701-568-3965	R
Williams	Williston Research Ext Center, Williston	701-774-4315	F

ND NOREEN

Bottineau	Peterson, Darwin & Matt, Antler	701-263-1535	R
Cass	Agronomy Seed Farm, Casselton	701-347-4743	C/O
Golden Valley	Hardy, Don K, Beach	701-872-4353	C & C/O
LaMoure	B & B Seed Farms, Jud	701-685-2263	C
LaMoure	Wald, David, Edgeley	701-493-2385	C
Morton	Renner, Dennis J and Lance, Mandan	701-667-1982	C/O
Morton	Renner, Dennis J and Lance, Mandan	701-426-6944	C/O
Morton	Renner, Dennis J and Lance, Mandan	701-226-2277	C/O
Pembina	Schluchter, Kent W, Cavalier	701-265-8879	R
Renville	Knutson, Brian/Matthew, Sherwood	701-459-2276	C/O
Sargent	Zetocha, Roger, Stirum	701-678-2568	C & C/O
Ward	Genesis Seed Solutions LLC, Berthold	701-453-3687	C

NOTES

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