

## SEED ASSOCIATE NETWORK

### HARD RED SPRING WHEAT

AGRIMAX  
FISHER, MN  
218-891-2211  
[www.agrimaxllc.com](http://www.agrimaxllc.com)

O'TOOLE SEED  
CRYSTAL, ND  
701-657-2127  
[www.otooleseed.com](http://www.otooleseed.com)

UNITY SEED  
CASSELTON, ND  
701-347-5355  
[www.unityseed.com](http://www.unityseed.com)

WEST CENTRAL AG SERVICES  
ULEN, MN  
218-596-8821  
[www.westcentralag.com](http://www.westcentralag.com)

HOGGARTH WHEAT  
CANDO  
701-739-0331/701-739-6208  
[hoggarthwheat21@gmail.com](mailto:hoggarthwheat21@gmail.com)

EAST RIVER LLP  
GRENVILLE, SD  
701-269-1751  
[www.eastriverllp.com](http://www.eastriverllp.com)

ARROW K FARMS  
BELFIELD, ND  
701-260-0609  
[www.arrowkfarms.com](http://www.arrowkfarms.com)

### DURUM WHEAT

Birdsall Grain & Seed, LLC.  
Berthold, ND  
701-453-3300  
[www.birdsallgrainandseed.com](http://www.birdsallgrainandseed.com)

L & L Jones  
Webster, ND  
701-230-2109  
[ljones@gondtc.com](mailto:ljones@gondtc.com)

Agronomic and disease ratings<sup>1</sup> are based on TCG research from 2014-2020, and public university data. Disease ratings are based on prevailing races observed in ND/MN. Results may vary depending on location and year to year variation, disease race changes, and Mother Nature.

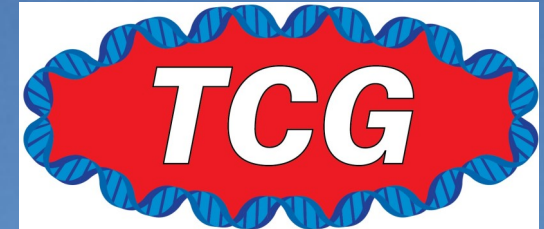
	Leaf Rust	Stripe Rust	Stem Rust	Foliar Disease	Scab	Bacterial Leaf Streak (BLS)	Pre-Harvest Sprouting <sup>2</sup>
TCG-Spitfire	5	4	*	5	5	3	3.5
TCG-Heartland	5	-	*	4	4-5	6	2
TCG-Wildcat	4	-	*	4	6-7	4-5	1
TCG-Wildfire	5	4	*	5	6	4	2
TCG-Glennville	5	-	*	5	5	5	3
TCG-Climax	6	4	*	4	6	7	2
TCG-Cornerstone	5	5	*	5	6	6	2.5

<sup>1</sup>Ratings: 1=most resistant; 9=most susceptible. BLS rating includes leaf reaction and yield ability in presence of disease.

<sup>2</sup>Varieties with scores of 3 or higher should be harvested in a more timely fashion to preserve high falling numbers.

\*Stem rust has not been observed in these varieties in TCG trials in which stem rust was observed in susceptible checks.

## 21<sup>st</sup> CENTURY GENETICS



### HRS WHEAT, DURUM & FORAGE BARLEY 2021

[www.tcgwheat.com](http://www.tcgwheat.com)

TCG varieties are bred in ND & MN to stand up and perform under management - to achieve top yield and \$/acre profitability for growers of the Northern Great Plains.

### CERTIFIED SEED ONLY (CSO)

Varieties sold as -CSO- are patented and grain produced from certified seed cannot be saved and replanted.

CSO

DR. GREG FOX, Breeder  
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# HARD RED SPRING WHEAT VARIETIES



## TCG-SPITFIRE

### YIELD ACROSS ENVIRONMENTS

TCG-Spitfire is a widely adapted, across ND & MN, medium height, medium late maturing variety with an excellent combination of yield and standability and medium protein. Plant at normal to high seeding rates for your area and management practices. Good BLS tolerance. Handles drought stress well. Use fungicide for optimum disease control.

PVPA 1994

## TCG-WILDFIRE

### BIG YIELD ON ALKALI GROUND

TCG-Wildfire is a medium tall, medium early maturing variety, with good standability, and good yield potential on your difficult fields such as water-impacted alkali ground. Protein is consistently medium across environments. Plant at normal rates for your area; use fungicide for disease control.

PVPA 1994

## TCG-GLENNVILLE

### VERY EARLY & SHORT

TCG-Glennville is a very early maturing, short variety, with excellent standability, adapted to the northeast/north central region of North Dakota, can be managed to achieve excellent yield with high protein. Plant at high rates for your area on good ground. Use fungicide for optimum disease control. A good companion variety with TCG-Wildfire.

PVPA 1994



## TCG-HEARTLAND

### EARLY YIELD & PROTEIN

TCG-Heartland is an early maturing, short variety with excellent standability, excellent yield potential, and very high protein and high test weight. Plant at normal to high rates for your area and management practices; use fungicide for optimum disease control. Performs best on medium textured, well drained soil. Has done well on sugarbeet ground. TCG-Heartland is tolerant to preharvest sprouting (PHS).

TCG-Heartland is a Certified Seed Only -CSO- variety.

Patent Pending; PVPA 1994



## NEW: TCG-WILDCAT

### MANAGEMENT WHEAT FOR THE RRV

TCG-Wildcat is especially adapted to the Red River Valley with a good coping reaction to bacterial leaf streak (BLS) on heavy clay soil. Medium height, medium early maturing, with a great combination of yield, standability, high protein and test weight. Plant at normal seeding rates for your area. MS for regional diseases and MS-S for scab. Should be managed with fungicide for best results. Good tolerance to preharvest sprouting (PHS). TCG-Wildcat is a Certified Seed Only -CSO- variety.

Patent Pending; PVPA 1994 application pending



## DURUM WHEAT

## TCG-BRIGHT

### GREAT QUALITY DURUM

TCG-Bright is a medium height, medium early maturity durum with excellent grain color and high HVAC. It's adapted to Western ND (Minot, West), where yield and standability have been good. TCG-Bright has a good general regional disease package but like all durum is susceptible to scab, so fungicide is recommended.

PVPA 1994 pending

## NEW: TCG-WEBSTER

### EARLY, SEMI-DWARF DURUM

TCG-Webster is a very early maturing, semi-dwarf durum with good straw strength, and quick early dry down. It is susceptible to scab, but can be managed with fungicide to achieve good yield and quality in a timely fashion. Harvest timing is more similar to barley than durum. Available in 2021.

PVPA 1994 application pending



## FORAGE BARLEY

## AKF-BRAVADO



### WIDE LEAVES & STAY GREEN

AKF-Bravado is designed with palatability and relative feed value in mind. It has good protein and pairs well with peas as a forage mix. Performs well on saltier soils. AKF-Bravado is a Certified Seed Only -CSO- variety.

PVPA 1994