



# HARD RED SPRING WHEAT VARIETIES



## TCG-SPITFIRE

### YIELD ACROSS ENVIRONMENTS

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

PVPA 1994

## TCG-HEARTLAND

### EARLY YIELD & PROTEIN

TCG-Heartland is an early maturing, short variety with excellent standability, excellent yield potential, and high protein and test weight. Plant at high rates for your area; plan on fungicide for optimum disease control. Performs best on medium textured, well drained soil. TCG-Heartland is a great companion variety with TCG-Spitfire. Sold as Certified Seed Only -CSO-

Patent Pending; 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

## TCG-WILDFIRE

### BIG YIELD ON TOUGH GROUND

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

PVPA 1994 pending

## TCG-CLIMAX

### HIGH PROTEIN & TEST WEIGHT

TCG-Climax is a medium height, late maturing variety, with an excellent combination of very high protein and test weight, good standability and yield potential under full season conditions. Plant at normal-high rates for your area, on good ground, plan on fungicide for optimum disease control.

PVPA 1994

## TCG-STALWART

### STEM SAWFLY RESISTANCE

TCG-Stalwart is a good standing, medium height, medium maturity, solid stemmed HRS, with medium high protein levels. It is targeted for Western ND (Minot, West) areas that are impacted by sawfly. TCG-Stalwart is susceptible to scab and very susceptible to BLS, plan on fungicide for optimum disease control. Available from Birdsall Grain & Seed.

PVPA 1994 application pending

## 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 application pending



# DURUM WHEAT



## 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)  
VALLEY CITY, ND  
701-840-1794  
[dmhoggarth@msn.com](mailto:dmhoggarth@msn.com)

EAST RIVER LLP  
GRENVILLE, SD  
701-269-1751  
[tim@eastriverllp.com](mailto:tim@eastriverllp.com)

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

### 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)

**DR. GREG FOX, Breeder**  
Phone/Fax: 701-293-5146  
Cell: 701-429-3558  
E-mail: [drgfox@hotmail.com](mailto:drgfox@hotmail.com)

Agronomic and disease ratings<sup>1</sup> are based on TCG research from 2014-2019, 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	Pre-Harvest Sprouting <sup>2</sup>
TCG-Spitfire	5	4	*	5	5	3	3.5
TCG-Cornerstone	5	5	*	5	6	6	2.5
TCG-Wildfire	5	4	*	5	6	4	2
TCG-Glennville	5	-	*	5	5	5	3
TCG-Climax	6	4	*	4	6	7	2
TCG-Hearthland	5	-	*	4	5	6	2
TCG-Stalwart	5	6	*	7	7	9	3

<sup>1</sup>Ratings: 1=most resistant; 9=most susceptible.

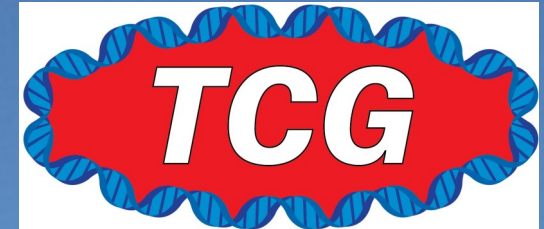
<sup>2</sup>Varieties with scores of 3 or higher should be harvested in a timely fashion to preserve high falling numbers.

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

### CERTIFIED SEED ONLY (CSO)

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

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



### WHEAT VARIETIES 2020

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

21<sup>st</sup> Century Genetics HRS varieties are bred to stand up and perform under management to achieve top yield and \$/acre profitability for growers of the Northern Great Plains.