



# WHEAT VARIETY NEWS FOR 2023

## Fall Guide to High-Yield Wheat

- Plant high quality USG varieties from Renwood Farms: seed source does make a difference
- Apply **Vizor 5ZD** seed treatment to avoid root rots, control fall insects and provide nutritional and microbial benefits
- Select varieties with different heading dates to avoid a spring freeze and different maturity dates to schedule timely harvest (see table below)
- Select varieties that contain the Fhb1 gene for scab resistance. **Most of these varieties are weak on glume blotch so a flag-leaf fungicide will still be needed.**
- Burndown at least three weeks prior to planting in no-till fields. Add **Sharpen®** for residual.
- Fall fertilize with nitrogen, sulfur, boron, molybdenum; add copper and zinc where needed. Add phosphate and potash based on previous crop removal and soil tests.

## USG Varieties

**USG 3783:** A bearded variety with very high yields and excellent test weight. Averaged 90 bu./acre in 2022 production fields in VA. Above average disease package: moderately resistant to soil-borne viruses (good for heavier soils). **Manage for scab.**

**USG 3472:** This is a powerful wheat with high yields, very good test weight and an outstanding disease package. Contains the Fhb1 gene for scab resistance. Very attractive wheat variety. In top yield group 40% of the time in NCSU multiple-year trials, second only to USG 3118. Top yield in 2022 VT On-Farm trials.

Group 1 earliest planting	Group 2 middle planting	Group 3 last planting
USG 3783	USG 3352	USG 3118
USG 3472	USG 3329	
	USG 3316	

**USG 3352 (NEW)** : Top yielding wheat in both VA On-Farm trials and MD in 2022 OVT. Excellent stripe rust, septoria and glume blotch resistance. Strong winter hardiness and tillering characteristics. **Manage for scab.**

**USG 3329:** Top yields in Delaware, Maryland, Virginia and North Carolina OVT Trials. Great test weight with Fhb1 scab gene for resistance. This bearded variety has above average stripe rust, mildew and soil virus resistance. This is the most versatile and widely adapted USG wheat variety available.

**USG 3316:** NCSU state contest winner. Contains the Fhb1 scab gene for resistance: moderately resistant to soil-borne viruses (good for heavier soils). Excellent tillering for geese-damage control.

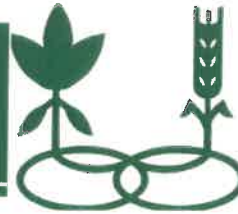
**USG 3118:** Excellent test weight in this last-plant, first-harvest variety. Highest yields in NCSU OVT trials for four straight years. This is a short-stature variety with a tip beard, very aggressive tillering characteristic; very good resistance to stripe and leaf rust and powdery mildew. Medium short straw with exceptional protein and falling number scores for milling markets. **Manage for scab.**

**Vizor Plus™** wheat seed treatment was created to stop the diseases associated with both warm and cool soil temperatures under wet and dry soil conditions. It contains a high rate of insecticide for aphid and Hessian fly control **all fall.**

**Vizor 5ZD is Vizor Plus and Detonate ST™.** **Detonate ST™** contains zinc and biological stimulants to enhance nutrient uptake and increase mobility within the plant, especially phosphorous.

This allows grower to reduce or even eliminate phosphate applications for wheat production. At current prices at \$.75/lb. for P2O5, Using **Detonate ST™** can replace 40 lbs. /acre or \$30/acre worth of P fertilizer by increasing the population of the soil fungi that carry the soil reserves of P to the plants.

RENWOOD FARMS  
17303 SANDY POINT RD.  
CHARLES CITY, VA 23030



Office: 804-829-2450 for sales and shipments  
ag.systems: 804-314-7463 for agronomic information or questions

## Fall 2022 Wheat Variety Characteristics **(listed in order of planting)**

Variety	Maturity	Height	Head Type	Test Weight	Mildew	Glume Blotch	Scab Tolerance	Soil Virus
<b>3783</b>	<b>M</b>	<b>M-T</b>	<b>A</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>3472</b>	<b>M</b>	<b>M</b>	<b>A</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>3352 (NEW)</b>	<b>ME</b>	<b>M-T</b>	<b>A</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>4</b>
<b>3329</b>	<b>ME</b>	<b>M</b>	<b>A</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>3316</b>	<b>M</b>	<b>M</b>	<b>A</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>
<b>3118</b>	<b>E</b>	<b>S</b>	<b>AL</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>3</b>

Maturity: E = early harvest, M = medium harvest, L = late harvest

Height: S = short, M = medium, T = tall

Head Type: A = awned (full beard), AL = awnletted (tip beard), S = smooth (no beard)

Test Weight: 1 = best, 9 = worst

Mildew, Glume Blotch, Scab, Virus: 1 = best resistance 9 = least : NR = not rated

Seed Treatments	Description
<b>Vizor</b>	<b>Unique four fungicide treatment with highest active ingredient rates for longer, stronger protection</b>
<b>Vizor Plus</b>	<b>Vizor with insect control for aphids and Hessian fly: with 1.5 ozs. /unit of Gaucho 600 <u>for control all fall</u></b>
<b>Vizor 5ZD</b>	<b>Vizor Plus with zinc and biological stimulants to enhance nutrient uptake and plant mobility, especially phosphorous.</b>

# USG 3783

## STRENGTHS

- Performs well with wet feet
- Very aggressive = High input
- Widely adapted I-20 and North
- High yield and good test weight

## AGRONOMIC TRAITS

Winter Hardiness	3
Standability	1
Tillering	1
Seed/Lb.	13,000

## FIELD RATINGS

Maturity	Medium-Late
Heading	Medium-Late
Height	Medium
Head Type	Awned
Test Weight	2

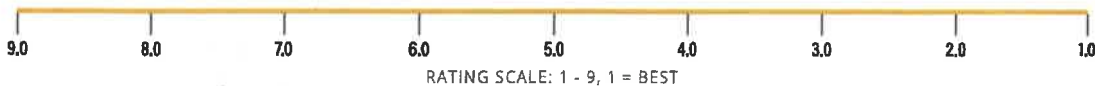
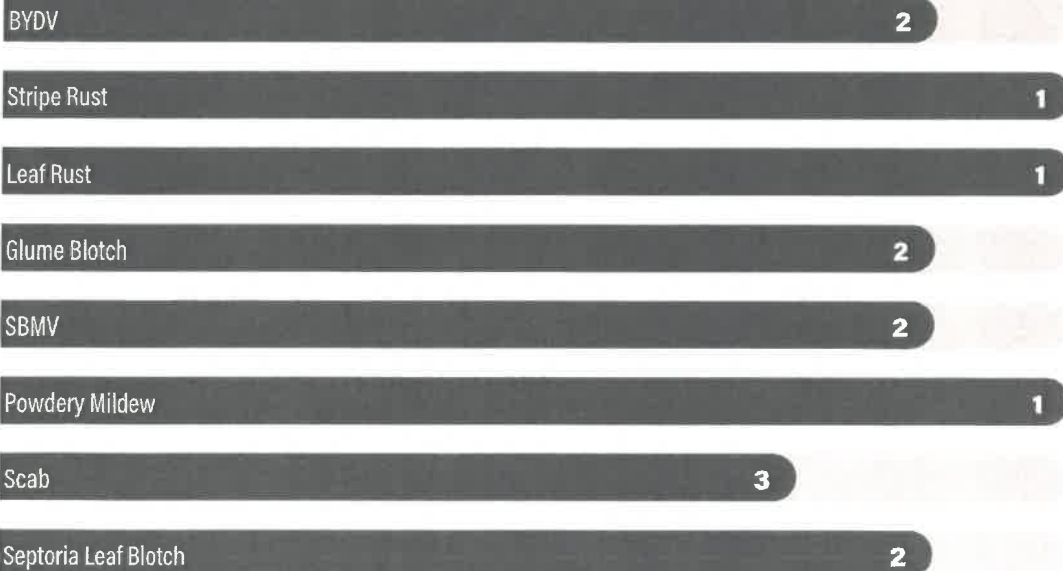
## PRODUCERS

**HURT SEED CO., INC.**  
HALLS, TN  
(731) 836-7574



**RENWOOD FARMS, INC.**  
CHARLES CITY, VA  
(804) 829-2450

USG Seed is also available through  
many local Ag Retailers and Farm Supply Stores

## DISEASE CHARACTERISTICS



3205-C Highway 46 South  
Dickson, TN 37055  
800.505.3133 phone  
931.996.4080 fax

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# USG 3472

## STRENGTHS

- Outstanding disease package
- Plant anywhere in USG Footprint
- Next USG racehorse!
- Scab resistance

## AGRONOMIC TRAITS

Winter Hardiness	2
Standability	2
Tillering	3
Seed/Lb.	11,000

## FIELD RATINGS

Maturity	Medium
Heading	Medium-Late
Height	Medium
Head Type	Awned
Test Weight	4

## PRODUCERS

### HILL VIEW FARMS

DANVILLE, VA  
(434) 770-9311

### HUNDLEY SEED

CHAMPLAIN, VA  
(804) 443-8208

### HURT SEED CO., INC.

HALLS, TN  
(731) 836-7574

### MOORE FARM, INC.

MOUNT ULLA, NC  
(704) 278-9531

### CLEMMONS AND HAMNER SEED INC.

KILLEN, AL  
(256) 757-9996

### MURRAY BROS.

SELBYVILLE, DE  
(302) 436-3639

### RENWOOD FARMS, INC.

CHARLES CITY, VA  
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### THOMAS SEED INC.

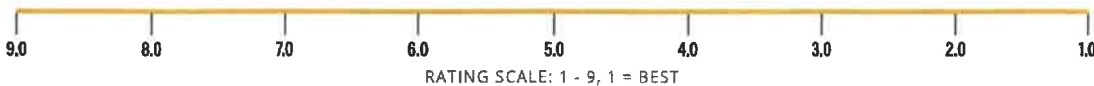
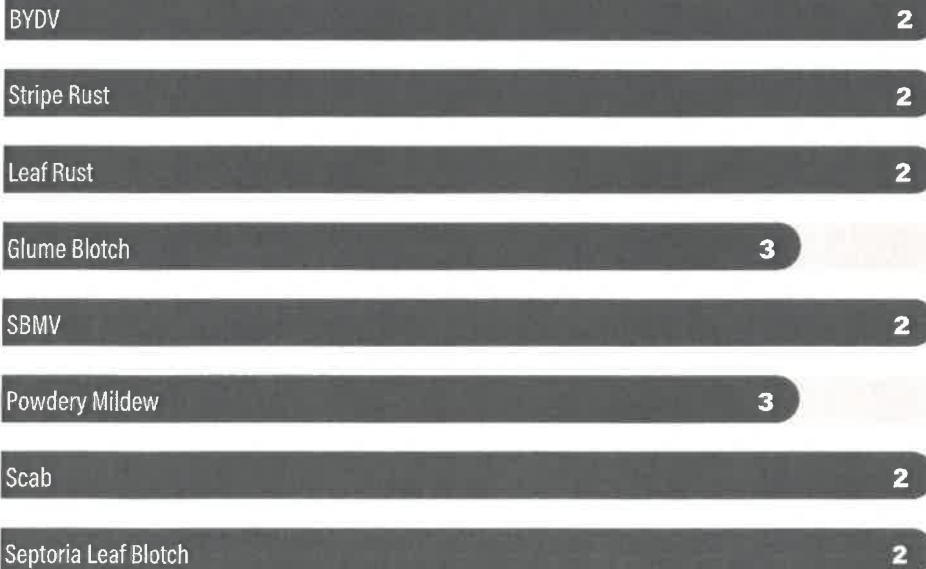
ARLINGTON, KY  
(270) 655-2121

### WIMBERLY FARMS, INC.



PRINCESS ANNE, MD  
(410) 430-2494

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# USG 3352

## STRENGTHS

- Yield comes from secondary tillers
- USG 3536 replacement? Time will tell
- Hessian fly resistance
- Goes from East coast to the Delta

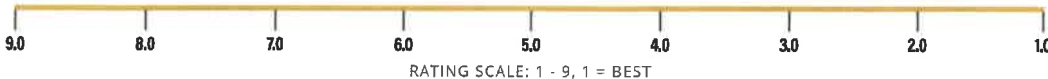
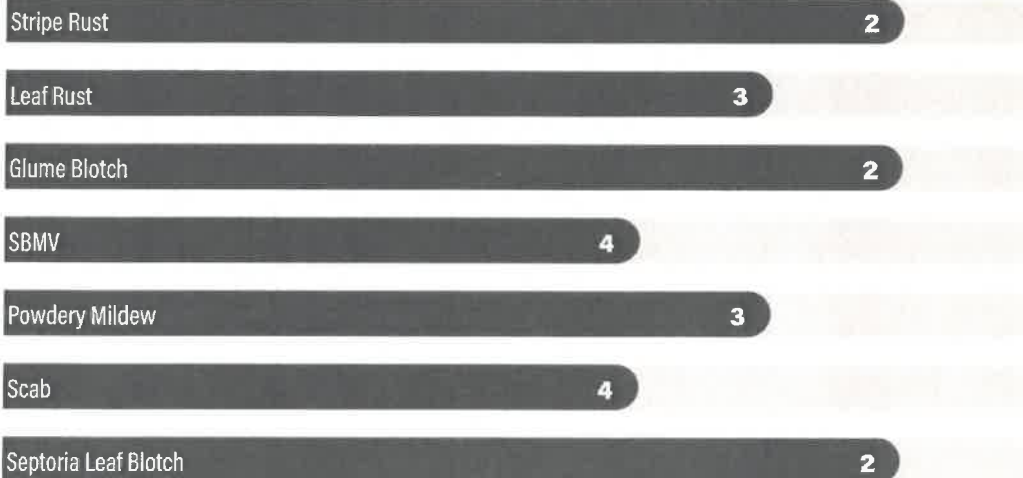
## AGRONOMIC TRAITS

Winter Hardiness	2
Standability	3
Tillering	2
Seed/Lb.	12,500

## FIELD RATINGS

Maturity	Medium-Early
Heading	Medium
Height	Medium-Tall
Head Type	Awne
Test Weight	3

## DISEASE CHARACTERISTICS



## PRODUCERS

- EURE SEED FARMS, INC.**  
HERTFORD, NC  
(252) 264-3326
- GERARD SEED CO.**  
WASHINGTON, NC  
(252) 946-8123
- MOORE FARM, INC.**  
MOUNT ULLA, NC  
(704) 278-9531
- CHERRY FARMS SEED CO., INC.**  
COLUMBIA, NC  
(252) 796-1341
- WHITE HAT SEED FARMS, INC.**  
HERTFORD, NC  
(252) 264-2427
- FARMERS REST FARM, INC.**  
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(804) 241-5629
- HURT SEED CO., INC.**  
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(731) 836-7574
- HUNDLEY SEED**  
CHAMPLAIN, VA  
(804) 443-8206
- HILL VIEW FARMS**  
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# USG 3329

## STRENGTHS

- Widely adapted
- Scab resistance
- 3404 replacement
- Racehorse yield

## AGRONOMIC TRAITS

Winter Hardiness	1
Standability	3
Tillering	4
Seed/Lb.	11,500

## FIELD RATINGS

Maturity	Medium-Early
Heading	Late
Height	Medium
Head Type	Awned
Test Weight	5

## PRODUCERS

### CLARK SEEDS, INC.

CLAYTON, DE  
(302) 653-9249

### RENWOOD FARMS, INC.

CHARLES CITY, VA  
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### MURRAY BROS.

SELBYVILLE, DE  
(302) 436-3639

### HURT SEED CO., INC.

HALLS, TN  
(731) 836-7574

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(252) 796-1341

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HERTFORD, NC  
(252) 264-3326

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CHARLES CITY, VA  
(804) 241-5629

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(252) 264-2427

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## DISEASE CHARACTERISTICS



9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0  
RATING SCALE: 1 - 9, 1 = BEST



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# USG 3316

## STRENGTHS

- Fhb resistance
- Excellent tillering
- DelMarVa and Kentucky adapted
- Treat for Rust and Powdery Mildew

## AGRONOMIC TRAITS

Winter Hardiness	2
Standability	2
Tillering	4
Seed/Lb.	14,000

## FIELD RATINGS

Maturity	Medium
Heading	Medium
Height	Medium
Head Type	Awned
Test Weight	4

## PRODUCERS

**MURRAY BROS.**  
SELBYVILLE, DE  
(302) 436-3639

**THOMAS SEED INC.**  
ARLINGTON, KY  
(270) 655-2121

**FEATHERSTONE FARM SEED**  
AMELIA, VA  
(804) 561-3754

**WIMBERLY FARMS, INC.**  
PRINCESS ANNE, MD  
(410) 430-2494

**EURE SEED FARMS, INC.**  
HERTFORD, NC  
(252) 264-3326

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## DISEASE CHARACTERISTICS



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RATING SCALE: 1 - 9, 1 = BEST



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# USG 3118

## STRENGTHS

- Early line = Plant last
- Great disease package
- Test weight!
- Hessian fly resistant

## AGRONOMIC TRAITS

Winter Hardiness	4
Standability	2
Tillering	3
Seed/Lb.	12,000

## FIELD RATINGS

Maturity	Early
Heading	Early
Height	Short
Head Type	Awnletted
Test Weight	1

## PRODUCERS

### GERARD SEED CO.

WASHINGTON, NC  
(252) 946-8123

### CHERRY FARMS SEED CO., INC.

COLUMBIA, NC  
(252) 796-1341

### DOGWOOD FARMS

ALBEMARLE, NC  
(704) 982-8148

### EURE SEED FARMS, INC.

HERTFORD, NC  
(252) 264-3326

### MOORE FARM, INC.

MOUNT ULLA, NC  
(704) 278-9531

### WHITE HAT SEED FARMS, INC.

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(252) 264-2427

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## DISEASE CHARACTERISTICS

BYDV

3

Stripe Rust

2

Leaf Rust

2

Glume Blotch

2

Powdery Mildew

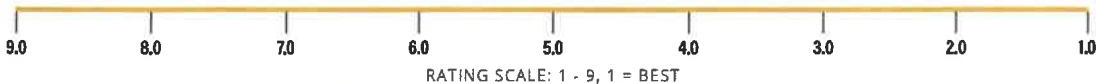
2

Scab

5

Septoria Leaf Blotch

2



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