

# Virginia Crop Improvement Association, Inc.

## Officers

William Gwaltney, Jr..... President  
Colin Whittington ..... Vice-President  
Thomas H. Hardiman..... Secretary/Treasurer

## Directors

	Term Expires
Franklin Hundley, Champlain.....	2018
William Gwaltney, Jr., Windsor.....	2018
Colin Whittington, Amelia.....	2018
M. L. Everett, Jr., Capron .....	2019
Jeffrey Hula, Charles City.....	2019
Paul Rogers, III, Wakefield.....	2019
Westley Drake, Newsoms.....	2020
Robert Pollok, Danville.....	2020
Matt Hall, Charles City.....	2020

Dr. Wade E. Thomason, Blacksburg ..... Appointed  
Dr. Daniel E. Brann, Blacksburg..... Honorary  
Dr. Robert L. Harrison, Blacksburg..... Honorary  
David L. Whitt, Aylett..... Honorary  
Bruce R. Beahm, Hague .....Honorary

### **Certification Office**

Tom Hardiman, Program Administrator  
Secretary/Treasurer  
9225 Atlee Branch Lane  
Mechanicsville, VA 23116  
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Fax: 804-746-9447  
Website: [www.virginiacrop.org](http://www.virginiacrop.org)

### **VCIA Foundation Seed Farm**

Phillip Browning, Manager  
P. O. Box 78  
4200 Cople Highway  
Mt. Holly, Virginia 22524  
Telephone: 804-472-3500  
Fax: 804-472-4649

## Foreword

The Virginia Crop Improvement Association (VCIA) is a nonprofit educational and service organization officially recognized as the seed certifying agency in Virginia for maintaining varietal identity and mechanical purity of improved crops. Certification is a system of records, inspections, and standards conducted with the cooperation and supervision of seed growers, seedsmen, the Extension and Research Division of VA Tech, the Virginia Department of Agriculture and Consumer Services, and the Virginia Certified Seed Board. VCIA is a member of the Association of Official Seed Certifying Agencies (AOSCA), an organization composed of agencies responsible for seed certification in the United States and internationally.

### Notice to Buyers

The crops listed in this book represent those approved at the field inspection level. Final certification is not complete until after a representative and cleaned seed sample has passed a complete laboratory analysis. All inquiries and purchases of certified seed should be made directly from the producers listed in this directory. It is the producer's responsibility to supply seed representative of the seed submitted and approved for certification by the VCIA. It is recommended that the buyer examine the seed and analysis tag before all seed is purchased. **All seed sold as certified seed must have an official certified tag attached or it is not certified seed.**

The VCIA can assume no financial responsibility for the seed listed in this directory or for disagreements over sales which may arise from this list. However, any seed purchased or delivered not meeting certification standards should be brought to the attention of the Secretary-Treasurer of the Association.

Variety descriptions contained in this Directory are based on research information available at the time of release. For the most current updates on disease resistance, please refer to the Cooperative Extension Publications, the Virginia Tech Website ([www.vt.edu](http://www.vt.edu)), or private company variety information.

### Plant Variety Protection Act

The following varieties have either been applied for protection or are protected under the U.S. Plant Variety Protection Act (PVPA). The PVPA provides the owner of the variety the exclusive right to reproduce and market the variety. Any person who sells uncertified seed of varieties covered by PVP, Title V, of the Federal Seed Act is breaking Federal and State law. "Unauthorized Propagation is Prohibited" for the following varieties listed in this directory:

<u>Barley</u>	<u>Wheat</u>	<u>Wheat</u>	<u>Wheat</u>	<u>Triticale</u>
Amaze 10 Hulless	LCS 3204	Featherstone 73	Shirley	SS 1414
Flavia*	Hilliard*	SH7200*	VA-258	
LCS Calypso	L11550*	SS 520	Vision 45	
LCS Violetta	Merl	SS 8415	Vision 50*	
Secretariat				
Thoroughbred				

\* PVPA Applied For

**VIRGINIA CROP IMPROVEMENT ASSOCIATION SEED PRODUCERS  
2017 Fall Planting**

**B**

Bass Sod Farm.....	P.O. Box 157/8250 Brookneal Hwy., Gladys, VA 24554..	434-219-2277
Brodnax Seed Company.....	Rt. 58 West, P.O. Box 97, Brodnax, VA 23920.....	434-729-9555

**C**

Carlton, J & D, Farms, Inc.....	24524 The Trail, Mattaponi, VA 23110.....	804-785-5197
Chantilly Turf Farms, Inc.....	41922 John Mosby Hwy., Aldie, VA 20105.....	703-327-0908
Crop Production Services.....	289 Woodrun Dr., Ridgeland, MS 39157.....	601-573-0357

**F**

Farmers Rest Farm, Inc.....	11801 Farmers Rest Road, Charles City, VA 23030.....	804-241-5629
Featherstone Farm Seed.....	13941 Genito Rd., Amelia, VA 23002.....	804-561-3754
Featherstone Seed, Inc.....	13941 Genito Rd., Amelia, VA 23002.....	804-561-3754
Franklin Turfgrass, Inc.....	408 River Road, Franklin, VA 23851.....	757-569-8873

**G**

Green Sprig Ag Services.....	5688 Old Forge Rd., Rocky Mt., VA 24151.....	540-420-1639
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**H**

Hill View Farm.....	1324 Clearview Drive, Danville, VA 24540.....	434-770-9311
Hudson Farms.....	1008 White Lane, Alton, VA 24520.....	434-579-2679
Hundley Seed Company.....	Rt. 17, P. O. Box 93, Champlain, VA 22438.....	804-443-8206

**K-L**

Kettle Wind Farm, LLC .....	11261 Morla Lane, Nokesville, VA 20181.....	703-499-0187
Lavery Sod Farm.....	P. O. Box 387, Shawsville, VA 24162.....	540-268-1220

**M - N**

Meadowspring Turf, LLC.....	17820 The Glebe Lane, Charles City, VA 23030.....	804-829-2696
Mennel Milling Comopany.....	P. O. Box 806, Fostoria, Ohio 44830.....	419-435-8151
Mid-Atlantic Seeds, Inc. ....	4965 Cople Hwy., Mt. Holly VA 22524.....	800-854-6251
Nova Turf Farms, Inc. ....	12005 Hazelwood Dr., Nokesville, VA 20181.....	703-594-3406

**O - P**

Old Church Sod Farm.....	13101 Old Church Road, New Kent, VA 23124.....	804-381-3851
Pittard, Garland.....	103 3 <sup>rd</sup> Street, Clarksville, VA 23927.....	434-265-6581
Premier Turf Farms, LLC .....	35172 Snickersville Tpke, Round Hill, VA 20141.....	703-431-3385

**R**

Renwood Farms, Inc.....	17303 Sandy Point Rd., Charles City, VA 23030.....	804-829-2450
Riverside Turf .....	18201 Sandy Point Rd., Charles City, VA 23030 .....	804-829-2608

**S**

Southern States Cooperative.....	6606 West Broad St., Richmond, VA 23230.....	804-281-1440
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**V**

VCIA Foundation Seed Farm.....	P. O. Box 78, Mt. Holly, VA 22524.....	804-472-3500
Virginia Beef Corporation.....	1215 James Madison Hwy., Haymarket, VA 22069.....	703-754-8873
Virginia Identity Preserved Grain, LLC.....	5500 Salem Run Road, Charles City, VA.....	804-306-2360

**W**

Woods, E. C. C., Jr.....	6033 River Road, Hanover, VA 23069.....	804-746-3390
Woodward Turf Farms, Inc. ....	P.O. Box 489, 14206 Lewis Ln, Remington, VA 22734.....	540-727-0020

**Amaze 10 Hulless Barley***U. S. Protected Variety**Can only be sold as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-482-3500	F

**Flavia Barley***U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-482-3400	F

**LCS Calypso Variety***Limagrain Licensed Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C

**LCS Violetta Barley***Limagrain Licensed Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Virginia IP Grain, LLC, Charles City	804-306-2360	C
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C

**Nomini Barley**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Essex	Hundley Seed Company, Inc., Champlain	804-443-8206	R
Essex	Hundley Seed Company, Inc., Champlain	804-443-8206	C
Franklin	Green Sprig Ag Services, Rocky Mt., VA	540-420-1639	R
Franklin	Green Sprig Ag Services, Rocky Mt., VA	540-420-1639	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**Secretariat Barley***U. S. Protected Variety**Can only be sold as a class of Certified seed*

<u>County</u>	<u>Name</u>	<u>Telephone #</u>	<u>Class</u>
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Pennsylvania (State of)	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	R
Pennsylvania (State of)	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

### Thoroughbred Barley

*U. S. Protected Variety*

*Can only be sold as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed, Amelia	804-561-3754	R
Amelia	Featherstone Farm Seed, Amelia	804-561-3754	C
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

### Brooks Oats

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed, Amelia	804-561-3754	C
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	C
Mecklenburg	Pittard, Garland D., Clarksville	434-265-6581	R
Mecklenburg	Pittard, Garland D., Clarksville	434-265-6581	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C

### SS 1414 Triticale (Variety NC01PT-1433)

*U. S. Protected Variety*

*Can only be sold as a class of Certified seed*

<u>County</u>	<u>Name</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Southern States Cooperative, Richmond	804-281-1440	C

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### 5210 HR (Nidera 21) Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Virginia Identity Preserved Grain, LLC	804-306-2360	C
State of Ohio	Mennel Milling Company, Fostoria, Ohio	419-435-8151	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

### Dyna-Gro 9012 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

### Dyna-Gro 9171 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

### Dyna-Gro 9223 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

### Dyna-Gro 9600 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

### Dyna-Gro 9750 (JM1161) Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

**Dyna-Gro 9772 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	QA

**Featherstone 73 Wheat**

*U. S. Protected Variety*

*Can only be sold as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Seed, Inc., Amelia	804-561-3754	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**Hilliard Wheat**

*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed., Amelia	804-561-3754	R
Amelia	Featherstone Farm Seed., Amelia	804-561-3754	C
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	R
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	C
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Halifax	Hudson Farms, Alton	434-579-2679	R
Halifax	Hudson Farms, Alton	434-579-2679	C
King & Queen	Carlton, J & D Farms, Inc., Mattaponi	804-785-5197	R
King & Queen	Carlton, J & D Farms, Inc., Mattaponi	804-785-5197	C
Pittsylvania	Hill View Farms, Inc. Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc. Danville	434-770-9311	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**L11550 Wheat**

*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name</u>	<u>Telephone #</u>	<u>Class</u>
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**LCS 3204 Wheat**

*Limagrain Licensed Variety*

*Unauthorized Propagation Prohibited*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pittsylvania	Hill View Farms, Inc., Inc., Danville	434-770-9311	C

**MAS #6 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pennsylvania (State of)	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	QA

**MAS #7 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pennsylvania (State of)	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	QA

**MAS #35 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pennsylvania (State of)	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	QA

**MAS #61 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pennsylvania (State of )	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	QA

**MAS #67 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Pennsylvania (State of )	Mid-Atlantic Seeds, Inc., York, PA	800-854-6251	QA

**Merl Wheat**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Halifax	Hudson Farms, Alton	434-579-2679	C
Pittsylvania	Hill View Farms, Danville	434-770-9311	C

**SS 520 Brand Wheat (Variety 38158)**

*U. S. Protected Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Southern States Cooperative, Richmond	804-281-1440	C

**SS 8415 Brand Wheat (Variety 72014415)**

*U. S. Protected Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Southern States Cooperative, Richmond	804-281-1440	C

**Shirley Wheat**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Crop Production Services, Ridgeland, MS	601-573-0357	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**(Southern Harvest) SH7200 Wheat**

*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

**TWS 2317 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**TWS 3516 Wheat**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3197 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed, Amelia	804-561-3754	QA
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA
Essex	Hundley Seed Company, Champlain	804-443-8206	QA

**USG 3228 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone#</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3316 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed, Amelia	804-561-3754	QA
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	QA
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA
Essex	Hundley Seed Company, Champlain	804-443-8206	QA

**USG 3404 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	QA
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3458 Wheat**

*U. S., Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3523 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3833 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**USG 3895 Wheat**

*U. S. Patented Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Farm Seed., Amelia	804-561-3754	QA
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA

**VA-258 Wheat**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Amelia	Featherstone Seed, Inc., Amelia	804-561-3754	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

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**Vision 45 Wheat**

*U. S. Protected Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Virginia Identity Preserved Grain, LLC	804-306-2360	R
Charles City	Virginia Identity Preserved Grain, LLC	804-306-2360	C
Ohio (State of)	Mennel Milling Company, Fostoria, Ohio	419-435-8151	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F



**Vision 50 Wheat**

*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Virginia Identity Preserved Grain, LLC	804-306-2360	R
Charles City	Virginia Identity Preserved Grain, LLC	804-306-2360	C
Essex	Hundley Seed Company, Champlain	804-443-8206	R
Essex	Hundley Seed Company, Champlain	804-443-8206	C
Ohio (State of)	Mennel Milling Company, Fostoria, Ohio	419-435-8151	C

## **VARIETY DESCRIPTIONS**

### **Amaze 10 Hulless Barley Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Amaze 10** is a moderately early heading, long awned, six-row, winter hulless barley, having white seed color, high grain yield, and good straw strength. Average grain yields have been 95 bushels per acre. Average plant height is 36". Winter hardiness is better than average. Amaze 10 has a high grain protein concentration which should make it superior in nutritional value as a feed grain. As a feed grain, it is superior overall in comparison to other hulless cultivars.

### **Flavia Barley Variety Description**

*U. S. Variety Protection Applied For*

**Flavia** is a winter type barley and was developed by Ackermann Saatzucht in Germany. The common name of taxon is Wintergerste. The plant growth habit is intermediate to semi-prostate and the kernel color of aleurone layer is weakly colored. Flag leaf is absent or very weak and is semi-erect. It has a medium to strong glaucosity of sheath. Time of ear emergence is early to medium. Ears are medium and horizontal in altitude. Plant length is short. Ears are tapering to parallel in shape, medium length, lax to medium density. Awn length is long. Median spikelet: length of glume and its awn is equal. Sterile spikelet development is full. Flavia is suited to maritime to moderate-continental climate.

### **LCS Calypso Barley Variety Description**

*Limagrain Licensed Variety*

**LCS Calypso** is a two-rowed winter malting barley release follow-up to LCS Violetta. Originally bred by Limagrain Europe, Calypso is currently being marketed internationally in Poland and Hungary. It is expected to have additional winter hardiness over LCS Violetta, as it was bred to perform in continental, as well as maritime, climate zones in Europe. In USA trials, LCS Calypso's yield performance has been at or better than LCS Violetta. It has a high yield potential. Tillering is excellent. Plant length is medium and standability is above average. It is resistant to Dwarf Rust and Yellow Mosaic. It has excellent grading with excellent malting qualities. Certified seed of LCS Calypso will be sold with a single season use agreement by licensed Limagrain Cereal Seeds dealers.

### **LCS Violetta Barley Variety Description**

*Limagrain Licensed Variety*

**LCS Violetta** barley was selected out of the following cross performed in 1996: Br2424b616 x Opal. The main objective of the cross was the combination of malting quality, earliness, winter hardiness and resistance to Barley Yellow Mosaic Virus. The breeding process was carried out at the Breun Breeding Station in Herzogenaurach in Germany. Main selection criteria: earliness, winter hardiness, straw stiffness, resistance to BaYMV, good resistance against mildew, net blotch, leaf rust, Rhynchosporium, grain quality and malting quality and grain yield. LCS Violetta is a winter barley, with green leaves at boot. Flag leaf is erect and twisted at boot. Auricle color is white and plant height averages 31.4 inches, with straight, long, rough awns. It was tested in several European countries and it was tested in the 2014 Virginia Tech Management Test for malt-types. Yield was 86 bu/acre@48 lb./bu. Test weight was 48.8 lb./bu. LCS Violetta is being sold with a single season use agreement by licensed Limagrain Cereal Seeds dealers.

### **Nomini Barley Variety Description**

**Nomini** is an early maturing, medium tall, six-row, awnletted, winter feed barley with compact spikes. Head emergence is approximately five days earlier than Boone and two days earlier than Wysor. Plant height is similar to Boone and Wysor, and stand ability is equal to or better than that of those cultivars. Nomini has good winter hardiness but is not as hardy as Wysor. Field resistance to mildew, scald, net blotch, spot blotch, and barley yellow dwarf is good and is similar to that of Wysor. Nomini is moderately susceptible to the prevalent leaf rust races.

### **Secretariat Barley Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Secretariat** is a high-yield, high test weight, moderately early heading, short stature, six row winter barley having good winter hardiness. The spikes of Secretariat are erect, strap, and slightly waxy with no overlapping lateral kernels and short awns. It is a potential commodity for feed, food, and fuel ethanol production. Grain of Secretariat is superior overall to those of many hulled varieties. It is resistant to all of the prevalent diseases in the eastern U.S. except for Fusarium Head Blight.

### **Thoroughbred Barley Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Thoroughbred** is a high yielding, full season, awned, six-row hulled winter feed barley having very good straw strength, high test weight and bright plump seed. On average, head emergence of Thoroughbred is 2 days later than Wysor, 4 days later than Nomini and Price, and 6 days later than Callao. Average plant height is 3 - 4 inches taller than Callao and Price, and 3 - 4 inches shorter than Wysor and Nomini. Straw strength is similar to those of Price and Nomini, and better than those of Wysor and Callao. As a feed grain and rotational crop, Thoroughbred is superior to Nomini and Callao. Thoroughbred is highly susceptible to powdery mildew and needs scouting for possible fungicide application. It is moderately susceptible to leaf rust and net blotch.

### **Brooks Oats Variety Description**

**Brooks** is a medium early Oat variety released by the North Carolina Agricultural Research Service. It has medium height, excellent yield, and fair lodging resistance. It has good winter hardiness. Brooks has tolerance to barley yellow dwarf virus and good resistance to soil borne Mosaic. It has poor resistance to Crown rust. This variety offers a new level of overall protein production; data indicates at least 25% advantage in pounds of protein per acre over most other varieties. Good smut resistance.

### **SS 1414 Triticale (NC01PT-1433) Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**SS 1414** was released by NC State University. It is a winter triticale. It is awned with a semi-prostrate growth habit and a recurved, non-twisted flag leaf. It has a medium maturity with a mid-tall plant height. It has a yellow-green color at boot state with a mid-dense fusiform head. It is resistant to powdery mildew and leaf rust and susceptible to barley yellow dwarf virus.

## **5210 HR (Nidera 21) Wheat Variety Description**

**5210 HR** is a winter wheat with white mid-strong stem strength, and dark green erect terminal leaves. Awns are inclined at maturity and yellowish in color. Glumes are white with mid-long length and mid-long width. Kernels are amber in color and semi-hard to hard. Brush size is large and long. Crease is narrow in width and shallow in depth.

## **Featherstone 73 Wheat Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Featherstone 73** is a soft, red, winter wheat with semi-erect juvenile plant growth. Plant color is blue-green at boot stage. Anther color is yellow. Average ear emergence is 125+ days. Plant height averages 86 cm. At maturity, head is mid-dense with strap shape, erect, and apically awnletted. Glume color at maturity is white and glume length is medium. Seed shape is oval and red in color with a soft texture. Featherstone 73 is resistant to Leaf Rust, Powdery Mildew, and Barley Yellow Dwarf Virus. It is susceptible to Stem Rust and Soil borne Mosaic Virus. It is susceptible to Hessian Fly Biotypes B, C, D, L, and O.

## **Hilliard Wheat Variety Description**

*U. S. Variety Protection Applied For*

**Hilliard** wheat was developed at VA Tech. The name was selected in honor of the developer's mother, Joy A. Hilliard, whose support, altruism, and love of gardening and plants has and continues to provide inspiration to excel. It is a broadly adapted, high yielding, mid-season, medium height, semi-dwarf soft, red, winter wheat. Plant stem and spike color are green, and its spikes are awned. In Virginia, head emergence of Hilliard has been most similar to that of Southern States Brand 8412. It is 3 to 4 days later than "Jamestown", and 1 day earlier than "Shirley". Hilliard is resistant to powdery mildew, and moderately resistant to leaf rust. Hilliard has superior baking quality.

## **LCS 3204 Wheat Variety Description**

*Limagrain Licensed Variety*

*Unauthorized Propagation Prohibited*

**LCS 3204** is an awnless, early maturing, short stature soft red winter wheat that is photoperiod insensitive and carries vm-A1b for short vernalization. It carries Truman level Fusarium head blight (FHB) resistance for incidence, severity, Fusarium damage kernels, and DON. A shorter, awned off-type was noted in the original breeder seed. A 1% variance is allowed. LCS 3204 gains strengths as it moves south. Test weight is very high at 61 lb./bu average. It is ideal for low-input wheat farmers and has exceptional all-around disease resistance. Plant height is 39", has a smooth head and very good standability. Plant maturity is mid-season, with excellent winter hardiness.

## **L11550 Wheat Variety Description**

*U. S. Variety Protection Applied For*

**L11550** is a soft red winter wheat developed by Virginia Tech. It is a broadly adapted, high yielding, full-season, medium height, semi-dwarf wheat. Plant and spike color are yellow-green, and its spikes are awned. In Virginia's State Variety Trial, L11550 had a three year yield average of 75.1 bushels per acre. Seedlings are susceptible to Hessian fly. It is resistant to leaf rust, stripe rust, stem rust, and powdery mildew. It is moderately resistant to Barley and Cereal Yellow Dwarf Viruses and to Bacterial Leaf Streak. Juvenile plant growth is semi-erect. Flag leaf is erect. Head is mid-dense and inclined. Glumes are white and long, shoulder width is narrow and beak is acuminate. Seed is ovate and red in color.

### **MAS #6 Wheat Variety Description**

**MAS #6** is a medium/early maturity wheat variety with medium/short height and awned head. It has excellent yield potential, very good standability, and above average head scab tolerance. It placed 1<sup>st</sup> in 2014 Maryland State Wheat Trial with 128.2 bu/acre and 2<sup>nd</sup> place in the 2013 Winters Ag Wheat Trial in Pennsylvania with 107 bu/acre. MAS #6 is available at Mid-Atlantic Seeds, Inc.

### **MAS #7 Wheat Variety Description**

**MAS #7** wheat is a medium maturity, medium height variety with a smooth head. It has excellent head blight, very good winter hardiness, very good standability and average test weight. It placed 1<sup>st</sup> in the 2014 Maryland State Performance Trial with 63.2 bu/acre. This variety is available at Mid-Atlantic Seeds, Inc.

### **MAS #35 Wheat Variety Description**

**MAS #35** wheat is a medium height, awned head variety that is well adapted for the Delmarva grower. It has very good Head Scab tolerance and high yield potential. This variety placed 2<sup>nd</sup> in the 2016 Virginia Tech Wheat Test (Blackstone, VA) at 96.2 bu/acre and 1<sup>st</sup> place in the 2014 Maryland State Wheat Test (Summary) at 89.0 bu/acre and 1<sup>st</sup> place in the 2014 Maryland State Wheat Trial (Keedysville) at 87.1 bu/acre. MAS #35 is available through Mid-Atlantic Seeds, Inc.

### **MAS #61 Wheat Variety Description**

**MAS #61** wheat is a medium-short height variety with awned head and very good test weight. It is a high yielder with good Head Scab resistance and FHB Type II Marker for partial resistance. This variety has excellent tillering, and high susceptibility to lodging. It is available from Mid-Atlantic Seeds, Inc.

### **MAS #67 Wheat Variety Description**

**MAS #67** is a medium-short height, smooth head variety wheat with and average test weight. It has excellent Head Scab resistance and Fhb1 marker for partial Head Scab resistance. This variety has high yield and placed 2<sup>nd</sup> in the 2016 Penn State Wheat Trials (Lancaster, PA) with 99.3 bu/acre. MAS #67 is available from Mid-Atlantic Seeds, Inc.

### **Merl Wheat Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Merl** is a broadly adapted, high yielding, moderately short, mid-season soft red winter wheat cultivar having good milling and pastry baking quality. Spikes and straw are creamy white in color at maturity, and the awnletted spikes are blocky to tapering in shape. Straw strength in Virginia is very good. In Virginia, Merl had a three year (2006-2008) average grain yield of 92 bu./ac that was similar to that of the highest yield cultivar, Shirley. Merl had an average test weight of 60.3 lb./bu. and produced test weights significantly above the test averages in three out of four years. It is resistant to powdery mildew and moderately resistant to stripe rust, fusarium head blight, and depending on environment and location, is moderately resistant to moderately susceptible to Barley Yellow Dwarf Virus, Wheat Spindle Streak Mosaic Virus, Septoria tritici leaf blotch, and glume blotch. It is susceptible to leaf rust, stem rust, Soil borne Mosaic Virus, and Hessian fly.

## **SH7200 (Southern Harvest) Wheat Variety Description**

*U. S. Variety Protection Applied For*

**SH7200 (Southern Harvest)** red winter wheat line is uniquely different from all known cultivars among which it has been tested in common trials. It is a broadly adapted, high yielding, early heading, medium height, soft red winter wheat. Foliage and spikes are blue-green in color, and spikes are awned and slightly tapering to strap in shape. Mature plant height of SH7200 varied from 34 to 38 inches on average. It has exhibited milling and baking qualities that are intermediate to those of Shirley. Flour of SH7200 likely would be more suitable than that of Shirley for making crackers and other products requiring gluten strength as well as pastries. It is moderately resistant to powdery mildew, leaf rust, and stripe rust. It is susceptible to stem rust.

## **SS 520 Brand Wheat Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**SS 520 Brand (Variety 38158)** is an early heading, high yielding, medium stature, awnletted, soft red winter wheat with good milling and baking quality. Head emergence is two days earlier than Pioneer 2580. It has only moderate winter hardiness and is most similar to Coker 9663. It is resistant to powdery mildew and moderately resistant to barley yellow dwarf virus and wheat spindle streak mosaic virus. It is moderately resistant to moderately susceptible to leaf rust and glume blotch. This variety is susceptible to the predominant race of stem rust.

## **SS 8415 Brand Wheat Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**8415 Brand (Variety 72014415)** is a medium maturity soft red winter wheat that combines high yield, strong test weights, good mildew and rust resistance and good standability with medium height. The 8415 Brand is resistant to Hessian fly biotypes B, C, D, O, and L in seedling growth chamber trials. It has produced a history of strong performance across a wide geography in the Eastern and Southeastern U.S. It has a strong general disease tolerance package, but responds well to intensively managed production that includes insecticides to reduce barley yellow dwarf infection and fungicides to reduce fusarium head scab. The 8415 is yellow green at booting with erect, twisted, waxy flag leaves. Stems are hollow without hairs, waxy bloom and anthocyanin. Anthers are yellow. Apically awnletted spikes are tapering, inclined and mid-dense. White glumes are short and wide with narrow, acute beaks and narrow, square shoulders.

## **Shirley Wheat Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**Shirley** is a soft red winter wheat variety developed by Virginia Tech and exclusively licensed to Crop Production Services. Shirley is a broadly adapted, high yielding, short stature, full season cultivar having very good milling and pastry baking quality. Spikes and straw are white to creamy in color at maturity, and the awnletted spikes are tapering in shape. The variety is resistant to powdery mildew, and it has also expressed a high level of resistance to leaf and stem rust. It is susceptible to stripe rust. Shirley is resistant to Barley Yellow Dwarf Virus, Wheat Spindle Streak Mosaic Virus, Septoria tritici leaf blotch, and Hessian fly. It has moderate resistance to Fusarium head blight. The flag leaf is erect and twisted.

### **TWS-2317 Wheat Variety Description**

**TWS-2317** is an early maturity, awned head type wheat that responds well to high management. Height is medium-tall. This variety is a Tidewater Seed, LLC variety. It has very good resistance to Septoria Glume Blotch, Septoria Leaf Blotch, Leaf Rust Fusarium Head Blight, and Barley Yellow Dwarf. Resistance to Powdery Mildew, Soil Mosaic Virus, Stripe Rust is good. It is winter hardy, and lodging is very good. It is susceptible to Hessian Fly.

### **TWS-3516 Wheat Variety Description**

**TWS-3516** is a medium early maturity wheat with awned heads. This is a Tidewater Seed, LLC variety. It has excellent standability and is medium height. It is Type II Scab resistant, as well as, having good resistance to Fusarium Head Blight, Powdery Mildew, Septoria Glume Blotch, Septoria Leaf Blotch, and Fusarium Head Blight Rating. This variety is winter hardy with good test weight and lodging.

### **USG 3197 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3197** wheat variety was released by UniSouth Genetics, Inc. It is a medium early maturing variety with medium height and awned heads. It has good test weight. This variety has good standability and winter hardiness. It is highly resistant to Fusarium Head Blight, handles wet ground well, and excellent tillering. Disease resistance is solid.

### **USG 3228 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3228** wheat variety was released by UniSouth Genetics, Inc. It is an early maturing variety of medium tall height, with a smooth head. Test weight is good. USG 3228 has excellent winter hardiness, and excellent standability. It has an excellent disease package with resistance to Type 1 and 2 Scab, stripe rust, leaf rust, and stem rust. It is also resistant to Powdery Mildew and Glume Blotch.

### **USG 3316 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3316** wheat is a variety released by UniSouth Genetics, Inc. It is a medium early, medium height, awned head variety. Test weight is great, and it has winter hardiness and excellent standability and tillering. This variety is highly resistant to Fusarium Head Blight and has a better yield and test weight than USG 3404. Disease characteristics are solid.

### **USG 3404 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3404** wheat variety was released by UniSouth Genetics, Inc. It is a medium height, medium maturity, awned variety of soft red winter wheat, with very good test weight. It has excellent winter hardiness, standability, emergence, and tillering. It specializes on the East Coast, but can go to Mid-South. USG 3404 shows excellent stress tolerance and has a great disease package.

### **USG 3458 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3458** is a medium-short, early maturing wheat variety released by UniSouth Genetics, Inc. It is winter hardy with a smooth head, excellent standability, and tillering. This variety has excellent resistance to Stripe Rust, and Hessian Fly. It is an East Coast and Mid-Atlantic wheat.

### **USG 3523 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3523** wheat was released by UniSouth Genetics, Inc. It is a medium early, medium height variety, with awned heads and excellent winter hardiness, standability, emergence, and tillering. Test weight is very good, with high yield potential, and a great variety for double crop. Plant anywhere but the deep south. Resistance is very good on all diseases.

### **USG 3833 Wheat Variety Description**

*U. S. Patented Variety*

**USG 3833** wheat is a medium maturity, medium height wheat, with a smooth head. Released by UniSouth Genetics, Inc., it has a very good test weight. This variety responds well to Input Management Programs. It works well in all regions, but is best in the South. Yield potential is high. It has excellent resistance to Stripe Rust, and has great resistance to Leaf Rust, and Leaf Blotch. Winter hardiness, standability, and emergence are all excellent.

### **USG 3895 Wheat Variety Description**

*U. S. Patented Variety*

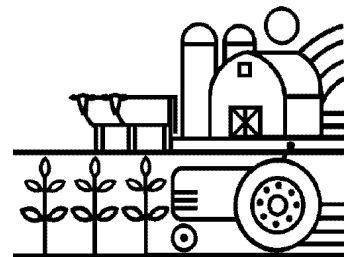
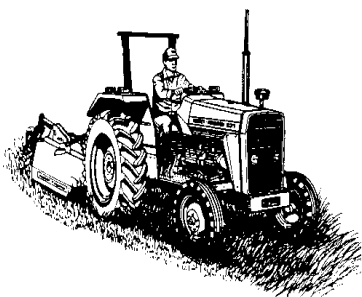
**USG 3895** wheat variety was released by UniSouth Genetics, Inc. It is a medium maturity, medium short height, awned variety. Test weight is great, and it has great winter hardiness with excellent standability and emergence. This variety is adapted for NC and the North. It will not lodge/deep rooted. It has excellent yield potential. Disease resistance is excellent.

### **VA-258 Wheat Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified seed*

**VA258** soft red winter wheat line is broadly adapted, high yielding, full-season maturity, and a stand height semi-dwarf. Spikes and straw are white to creamy in color at maturity, and the tapering spikes are awnleted. Mature plant is 37 to 38 inches. On the basis of four independent quality evaluations over four crop years, VA 258 has exhibited milling and baking qualities that are most similar to those of the strong gluten cultivars Featherstone 176 and Jamestown. It is moderately resistant to Powdery Mildew and moderately resistant to Leaf Rust.





### **Vision 45 Wheat Variety Description**

*U. S. Protected Variety*

**Vision 45** is a widely adapted, full season, medium height, hard red winter wheat that has high yield potential. It is different from all known cultivars. At the boot stage plants of Vision 45 are blue-green in color and have flag leaves that are erect, twisted, and waxy. Stems are hollow, waxy, lack anthocyanin, and have four internodes, semi-erect peduncles, hairy auricles, and terminal rachis internodes. Anthers are yellow in color. Spikes are awned, inclined, mid-dense, strap to slightly tapering in shape, and creamy white in color at maturity. Straw is yellow in color and lacks anthocyanin at physiological maturity. The creamy white pubescent glumes are long in length and medium in width with narrow acuminate beaks and square shoulders of narrow width. The hard red kernels are ovate in shape with rounded cheeks, mid-width and mid-deep creases, and large germ and long brush sizes. The seed phenol reaction color is dark brown. Average plant height varies from 34 to 37 inches. Vision 45 is resistant to Powdery Mildew and moderately resistant to leaf rust and Barley Yellow Dwarf Virus, Wheat Soilborne Mosaic Virus, and glume blotch and Fusarium Head Blight. It also is moderately susceptible to Stripe Rust.

### **Vision 50 Wheat Variety Description**

*U. S. Variety Protection Applied For*

**Vision 50** wheat is a widely adapted, full season, medium height, hard red winter wheat with high yield potential. At the boot stage plants are yellow-green in color and have flag leaves that are erect, twisted, and waxy. Stems are hollow and waxy. Anthers are yellow in color. Spikes are awned, inclined, mid-dense, tapering in shape and white in color at maturity. Straw is yellow in color. Glumes are white, lack pubescent, and are long in length and medium in width with acuminate beaks and elevated shoulders of narrow width. It is widely adapted and provides producers in the mid-Atlantic region with acceptable milling and baking quality for use in bread flour blends. In a majority of test environments, it was resistant or moderately resistant to Leaf, Stripe, and Stem Rusts, Powdery Mildew, Barley Yellow Dwarf Virus, Wheat Soil Borne Mosaic Virus, and Leaf and Glume Blotch.

**TURFGRASS SOD****Celebration Bermudagrass***Patented*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	C

**Fescue/Bluegrass Mix Turfgrass Sod**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Campbell	Bass Sod Farm, Gladys	434-219-2277	C
Culpeper	Woodward Turf Farms, Inc., Remington	540-727-0020	C
Loudoun	Premier Turf Farms, Inc., Round Hill	703-431-3385	C
Loudoun	Virginia Beef Corporation, Haymarket	703-754-8873	C
New Kent	Old Church Sod Farm, New Kent	804-381-3851	C
Prince William	Kettle Wind Frm LLC, Nokesville	703-499-0187	C
Prince William	Nova Turf Farm, Inc., Nokesville	703-594-3406	C

**Latitude 36 Bermudagrass Turfgrass Sod***Plant Patent Protected*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	F R C
Culpeper	Woodward Turf Farms, Inc., Remington	540-727-0020	F R C
Montgomery	Lavery Sod Farm, Elliston	540-268-1220	F R C

**NorthBridge Bermudagrass Turfgrass Sod***Plant Patent Protected*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	F R C
Culpeper	Woodward Turf Farms, Inc., Remington	540-727-0020	F R C
Montgomery	Lavery Sod Farm, Elliston	540-268-1220	F R C

**Patriot Bermudagrass Turfgrass Sod***Patented*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Riverside Turf, Charles City	804-829-2608	R C
New Kent	Old Church Sod Farm, New Kent	804-381-3851	C

**Premier Bermudagrass (PremierPRO Brand) Turfgrass Sod***Plant Patent Protected*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Campbell	Bass Sod Farm, Gladys	434-219-2277	C
Charles City	Riverside Turf, Charles City	804-829-2608	F R C

**Riviera Bermudagrass Turfgrass Sod***U. S. Protected Variety**Can be sold only as a class of Certified Seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Culpeper	Woodward Turf Farms, Inc., Remington	540-727-0020	C

**Sovereign Bermudagrass Turfgrass Sod***U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Culpeper	Woodward Turf Farms, Inc., Remington	540-727-0020	C

**TifTuf™ Bermudagrass Turfgrass Sod***U. S. Protected Variety**Can be sold only as a class of Certified Seed*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	R C

**Tifway (419) Bermudagrass Turfgrass Sod**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Riverside Turf, Charles City	804-829-2608	C
Southampton	Franklin Turfgrass, Inc., Franklin	757-569-8873	C

**Tifway II Bermudagrass Turfgrass Sod**

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	R C

**Empire Zoysia Turfgrass Sod***Patent Pending*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Meadowspring Turf, LLC, Charles City	804-829-2696	R C

**Zeon Zoysia Turfgrass Sod***Patented*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Campbell	Bass Sod Farm, Gladys	434-944-1970	R C
Charles City	Riverside Turf, Charles City	804-829-2608	C

**Visit our website for Variety Test Results  
from 25 Land Grant Universities and  
Sources of Virginia Grown Seed:  
[www.virginiacrop.org](http://www.virginiacrop.org)**



## TURFGRASS SOD VARIETY DESCRIPTIONS

### **Celebration Bermudagrass Variety Description**

*Plant Patent Protected*

**Celebration** Bermuda, introduced by Sod Solutions, Inc., is a selected mutation of *Cynodon dactylon*, a hybrid cultivar of Bermuda, chosen specifically for its dark blue-green color, low growing habit, adaptability to light to moderate shade, excellent drought tolerance and ability to reduce production costs while demonstrating desirable growth characteristics. It was developed in Australia and has proven its ability to thrive in hot, humid conditions in a variety of applications from home lawns to sports fields. Celebration has performed well in sandy and clay soil types with aggressive growth from its runners and rhizomes, but can be mowed with a standard rotary mower due to its broader leaf and open growth habit.

### **Latitude 36 Bermudagrass Variety Description**

*Plant Patent Protected*

**Latitude 36 Bermudagrass** was released by Oklahoma State University in 2011. It is a sterile hybrid with exceptional cold tolerance and winter damage is seldom seen. It was selected for use in home lawns, parks and golf/sports applications from the Southern United States to areas north of the transition zone. It has blades that are fine textured and offers rapid sod production cycles and excellent handling characteristics for the sod producer. It offers outstanding beauty and performance, early green-up, fine texture, excellent density, excellent wear tolerance and rapid recovery from traffic.

### **NorthBridge Bermudagrass Variety Description**

*Plant Patent Protected*

**NorthBridge Bermudagrass** was released in 2011 by Oklahoma State University. It has a unique combination of traits; cold hardiness and a fine texture. NorthBridge is fast to establish. It offers rapid sod production cycles and excellent handling characteristics for the sod producer. For the golf course superintendent, sports field manager, and homeowner it offers outstanding beauty and performance; early green-up, excellent density, excellent wear tolerance and rapid recovery from traffic. It is a sterile hybrid and is exceptional for use for applications from the Southern United States to areas north of the transition zone.

### **Patriot Bermudagrass Variety Description**

*Plant Patent Protected*

**Patriot** was developed by the Oklahoma State University Bermudagrass Breeding and Development Team. This low temperature-hardy variety establishes rapidly from sprigs and has improved resistance to spring dead spot. Excellent aerial shoot survival during winter, relatively short internodes and high shoot density may result in a need for routine de-thatching under intensive management. It combines superior cold tolerance, disease resistance, wear tolerance and leaf texture. Patriot is clearly the bermudagrass of the future for the Mid-Atlantic region.

### **Premier Bermudagrass (PremierPRO Brand) Description**

*Plant Patent Protected*

**Premier** is a unique variety of bermudagrass that was discovered under cultivated conditions in a golf course fairway near Seal Beach, California. It was identified in the field as having a darker green leaf color than its suspected parent, Tifgreen. Premier was propagated by the inventors under field and greenhouse conditions in Parker, Texas by cutting of rhizomes and stolons, rooting them in soil, and planting of the rooted material to provide planting stock for studying performance. Asexually reproduced plants have remained stable and true to type through successive generations of propagation. It is a perennial bermudagrass that spreads by both stolons and rhizomes. Premier has not shown any susceptibility in tests to date to the diseases and insects common to the bermudagrass genus. It will be limited only by winter survival in colder regions, and is undergoing further research to determine the most northern area of survival at this time.

## **Riviera Bermudagrass Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified Seed*

**Riviera** is a synthetic variety developed from three parental plants and released by the Oklahoma Agricultural Experiment Station with an exclusive license to Johnston Seed Company, Enid, OK. Riviera produces a moderately fine-textured, medium dark green turf with excellent turf quality. It appears to have adequate resistance or tolerance to the major pests of bermudagrass, particularly in the U.S. transition zone. It is sufficiently cold-hardy to be used in parts of the U. S. transition zone between warm-season and cool-season turfgrasses with minimal risk. Commercial plants of Riviera must be established by planting either certified seed or certified sod (or sprigs). Certified sod (or sprigs) must be produced from a field planted with foundation seed.

## **Sovereign Bermudagrass Variety Description**

*U. S. Variety Protection Applied For*

**Sovereign** solves the dilemma when planting a warm season grass in the upper transition zone. It alleviates the concern regarding lack of cold tolerance. The thriving germplasm selected in Northern KY when breeding Sovereign ensures the utmost tolerance to the elements. The fine texture and bright green color, and aggressive growth satisfy all turf managers. It has brilliant overall turf quality, excellent winter hardiness, superb drought tolerance, vigorous establishment from seed, and superlative wear tolerance. It is recommended for golf course tees, fairways, and roughs, Sovereign is also recommended for sports fields, parks, and utility fields, and lawns. Reduced water applications trim overall management cost.

## **TifTuf™ Bermudagrass Variety Description**

*U. S. Protected Variety*

*Can be sold only as a class of Certified Seed*

**TifTuf™** Bermudagrass is sold only as a certified bermudagrass. It sets the new scientific standard in drought resistance and sustainability - requiring less water and recovering from drought faster than any other bermudagrass on the market. It has a fine texture, bright green color, and boasts superior recovery from traffic and injury. It is the all-around best choice for professionals and homeowners seeking a low-maintenance turf with excellent performance under stress. It is grown year-round at NG Turf and can be installed as dormant sod during the winter months. It is an aggressive grower and establishes quickly.

## **Tifway (419) Bermudagrass Variety Description**

**Tifway (419)** was selected and cooperatively tested by the USDA, the Georgia Coastal Plain Experiment Station, and the U.S. and Southern Golf Associations. Found in a seed lot of African bermudagrasses from Johannesburg, South Africa, in the Spring of 1954, this chance hybrid between African and common bermudagrass will shed no pollen and set no seed. The dark-green, disease-resistant variety spreads quickly, and is more resistant to sod webworm. Tifway was released to growers of certified sprigs in 1960.

## **Tifway II Bermudagrass Variety Description**

**Tifway II** is an F1 hybrid released in 1960 by Georgia Coastal Plain Experiment Station and the Plant Science Research Division of ARS. It has darker green color, greater frost resistance, earlier Spring growth, greater sod webworm and mole cricket resistance, better herbicide tolerance, and stiffer leaf blades than Tiffine or Tifgreen.

## Empire Zoysia Variety Description

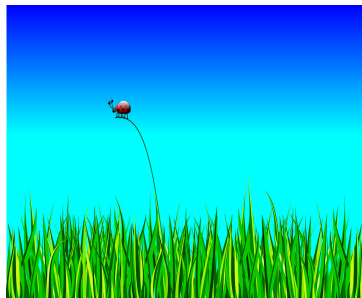
*Patent Pending*

**Empire** Zoysia was discovered in Brazil, and unlike other Zoysia varieties, has proven its ability to thrive in hot, humid conditions. Because of its drought tolerance, Empire requires less water than most other grasses and is well suited to areas where water use is severely regulated. It also requires less fertilizer. Empire has performed well in sandy and clay soil types with aggressive growth from its runners and rhizomes, but can be mowed with a standard rotary mower due to its broader leaf and open growth habit. Because of its dense growth habit, weeds are rarely a problem in healthy stands.

## Zeon Zoysia Variety Description

*Plant Patent Protected*

**Zeon** is absolutely the most beautiful turfgrass available! Zeon is a fine-bladed, dark green color zoysia grass that is drought tolerant and can handle full sun and has excellent shade tolerance. Zeon is a luxury turfgrass superior to Emerald in its rich beautiful look and lush dense turf. Zeon is superior to Emerald due to low thatch buildup, cold hardiness, and few insect or disease problems. It is a lower maintenance zoysia grass because of its ability to be mowed with a rotary mower. Zeon is excellent for lawns and golf course fairways and tees.



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## Seed Conditioners

Following is a list of companies and individuals who condition Certified seed in Virginia

<b>B</b>		
Birdsong Peanuts.....	P. O. Box 1400, Suffolk, VA 23434.....	757-539-3224
Brodnax Seed Company.....	Rt. 58 West, P.O. Box 97, Brodnax, VA 23920.....	434-729-9555
<b>C</b>		
Carlton, J & D, Farms, Inc.....	24524 The Trail, Mattaponi, VA 23110.....	804-785-5197
<b>F</b>		
Farmers Rest Farm, Inc.....	11801 Farmers Rest Road, Charles City, VA 23030.....	804-241-5629
Featherstone Farm Seed.....	13941 Genito Rd., Amelia, VA 23002.....	804-561-3754
<b>G</b>		
Green Sprig Ag Services.....	5688 Old Forge Rd., Rocky Mt. VA 24151.....	540-420-1639
<b>H</b>		
Hill View Farms, Inc. ....	1324 Clearview Drive, Danville, VA 24540.....	434-685-7921
Hudson Farms .....	1008 White Lane, Alton, VA 24520.....	434-753-6710
Hundley Seed Company.....	Rt. 17, P. O. Box 93, Champlain, VA 22438.....	804-443-8206
<b>I</b>		
Indika Farms, Inc. ....	14186 Five Forks Road, Windsor, VA 23487.....	757-242-6607
<b>M</b>		
Mid-Atlantic Seeds, Inc.....	5005 Cople Hwy, Mt Holly, VA 22524... 804-472-3388 or 800-854-6251	
Montague Farms, Inc.....	35212 Tidewater Trail, Center Cross, VA 22437.....	804-443-3536
<b>P</b>		
Pittard, Garland (Danny).....	103 3 <sup>rd</sup> Street, Clarksville, VA 23927.....	434-265-6581
Renwood Farms, Inc.....	17303 Sandy Point Rd., Charles City, VA 23030.....	804-829-2450
<b>V</b>		
VCIA Foundation Seed Farm.....	P. O. Box 78, Mt. Holly, VA 22524.....	804-472-3500
<b>W</b>		
Wakefield Peanut Company.....	P. O. Box 538, Wakefield, VA 23888.....	757-899-5481
White, R. W., Farm, LLC.....	1961 Princess Anne Lane, Virginia Beach, VA 23456.....	757-621-0141



## Associate Members

Listed alphabetically by company

A		
ag.systems/Paul Bodenshtine .....	6158 Westhaven Drive, Mechanicsville, VA 23111.....	804-730-0091
AgriPro Coker/Phil Farmer .....	358 Honeycutt Drive, Wilmington, NC 28412 .....	910-452-5597
A.R.McKay Processing Machinery, Inc./		
Chip Huffman.....	P. O. Box 96, Hickory, NC 28603.....	828-328-3548
B		
Bayer CropScience/ .....	203 Hanover St., Williamston, NC 27892	252-741-0239
Michael Webb		
BFG Supply(Wetsel)/Jim Waid .....	P. O. Box 791, Harrisonburg, VA 22803 .....	540-434-6753
C		
Circle Grove Seeds, Inc./Marian Keech .....	P. O. Box 280, Belhaven, NC 27810 .....	252-943-3141
Clark Seeds, Inc./Jim Clark .....	P. O. Box 219, Kenton, DE 19955 .....	302-653-9249
Crop Production Services/Deanna Blackwell .....	P. O. Box 9, Wyllyesburg, VA 23976 .....	434-735-8144
Crop Production Services/Ed Layne .....	P. O. Box 520, Hopewell, VA 23860 .....	804-458-6301
E		
Eddie Mercer Agri-Services, Inc/		
Tom Mullineaux.....	6900 Linganore Rd, Frederick, MD 21701.....	410-409-7538
F		
Fuller Seed & Supply/Terry Fuller .....	11262 Hwy. 49, Poplar Grove, AR 72374 .....	870-829-3461
G		
Greensboro Supply, Inc./Loren Cohen .....	P. O. Box 28, Greensboro, MD 21639 .....	410-482-6211
K		
Keystone Group Ag Seeds/Joe Anchor.....	360 Leiser Rd., New Columbia, PA 17856.....	570-538-1170
N		
Newsom Seed, Inc./Allen Bohrer .....	P. O. Box 510, Fulton, MD 20759 .....	240-554-0359
R		
Raynor Certified Tobacco Seed/R.T. Raynor....	P. O. Box 2524, Rocky Mount, NC 27802 .....	252-446-5229
Rehoboth Agrotech/Bob Atkins .....	P. O. Box 125, Branchville, VA 23828 .....	757-654-0675
S		
Seedway, Inc./Jerry Davis .....	5901 Vera Cruz Road, Emmaus, PA 18049 .....	610-967-4131
Southern States Coop., Inc./Eric Fogg.....	200 Allen Drive, Seaford, DE 19973 .....	302-629-7991
Southern States Coop., Inc./Randy Jenkins .....	P. O. Box 459, Cloverdale, VA 24077 .....	540-992-1100
Southern States Coop., Inc./Norman Jones .....	P. O. Box 459, Cloverdale, VA 24077 .....	540-992-1100
Syngenta Seed Care/John Nardacci.....	13200 S. Heritage Woods Terr., Midlothian, VA 23112...	804-744-3942
T		
Tomahund Plantation/Norman Hofmeyer.....	17100 Tomahund Dr., Williamsburg VA 23185.....	804-829-2130
W		
Wakefield Farm Service, Inc./David Owen .....	P. O. Box 216, Wakefield, VA 23888.....	757-899-3771
White Hat Seed Farms, Inc./Burt Eure .....	102 White Hat Road, Hertford, NC 27944 .....	252-264-2427