

VIRGINIA CERTIFIED SEED DIRECTORY

2020 Fall Planting



GROWN IN VIRGINIA

**BARLEY
OATS
RYE
TRITICALE
TURFGRASS SOD
WHEAT**

Issued by
Virginia Crop Improvement Association
9225 Atlee Branch Lane
Mechanicsville, Virginia 23116
Telephone: 804-746-4884
website: www.virginiacrop.org
in cooperation with
Virginia Cooperative Extension

Virginia Crop Improvement Association, Inc.

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Colin Whittington Vice-President
Thomas H. Hardiman..... Secretary/Treasurer

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Tom Hardiman, Program Administrator

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9225 Atlee Branch Lane

Mechanicsville, VA 23116

Telephone: 804-746-4884

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Website: 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

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Seed Protection: Rights and Responsibilities

Definitions:

1970 Plant Variety Protection Act (PVPA) - Legislation enacted to promote the development of new varieties by allowing the variety owner to determine who may sell seed of the variety. Farmers may save seed for their own planting needs and sell that amount to a neighbor, if plans for that variety change. All seed sales must comply with state seed laws. Applies to all varieties protected prior to April 4, 1995.

1994 Amended PVPA - Amendment to the Plant Variety Protection Act that prohibits the sale of any farmer saved seed without the permission of the variety owner. It also extends protection to tuber reproduced plants, varieties essentially derived from the variety, and harvested material of the variety. Seed protected under the 1994 PVPA must be sold by variety name (except for turf, forage, alfalfa & clover). Length of protection was increased to 20 years for most kinds, 25 years for trees, shrubs, and vines. Applies to all varieties protected after April 4, 1995.

Title V - An option for protected varieties that allows for the sale of the seed by variety name only as a class of certified seed. Non-certified sales are prohibited. Seed may be called "certified" only after meeting all requirements and standards of an Official Seed Certifying Agency.

Utility Patents - A means of protection for certain varieties, especially those developed through genetic engineering or biotechnology. Farmers may not save, clean/condition, or sell any seed protected under a utility patent.

	1970 PVPA	1994 PVPA	TITLE V	PATENT
FARMER:				
ALLOWED TO SAVE SEED	*YES	*YES	*YES	NO
ALLOWED TO SELL SEED (no advertising) TO NEIGHBOR if in compliance with state law.	*YES	NO	'70 PVPA ONLY	NO
CONDITIONER:				
Condition varieties for Farmers	*YES	*YES	*YES	NO
Store Seed for Farmers	*YES	*YES	*YES	NO
Clean or Stock as step in Marketing Variety	NO	NO	NO	NO
Deliver or Load Seed to a Third Party	NO	NO	NO	NO
Advertise Farmer Saved Seed	NO	NO	NO	NO
Sell or act as Broker for Farmer Saved Seed	NO	NO	NO	NO

* Limited to the amount of seed needed to plant a farmers own holdings (land owned, leased or rented).

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), 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	#Bullet	16162692 (#Berkeley)	VA-258	SS 1414
Flavia	Featherstone 125*	Laverne*	Vision 45	Trical 154
Hirondella	Hardy 2519*	Liberty 5658*	Shirley	
LCS Calypso	Hilliard*	LCS 3204	Southern Harvest 7200	
Secretariat		Merl	SY Viper	
Thoroughbred			USG 3118	

* PVPA Applied For

The Foundation Seed Division of the Virginia Crop Improvement Association

Specializing in Small Quantity Increase,
Purification, Maintenance of Experimental
Lines, Private Lines and Varieties,
Public Varieties, Special Use Lines
and Varieties of

- * Small Grains
- * Soybeans
- * Peanuts

**For Additional Information Contact:
Phillip Browning, Manager**

VCIA Foundation Seed Farm
P. O. Box 78, 4200 Cople Highway
Mt. Holly, Virginia 22524
Phone: 804-472-3500
Fax: 804-472-4649
Email: pwb1986@vt.edu



Plant Certified Seed for Higher Yield and Greater Profit

VIRGINIA CROP IMPROVEMENT ASSOCIATION SEED PRODUCERS
2020 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

Carver Brothers Turf	118 Carver Brothers Drive, Roxboro, NC 27574.....	336-592-0547
Cedar Plains Farm LLC.....	P.O. Box 265, Wicomico Church, VA 22579.....	804-761-0590
Chantilly Turf Farms, Inc.....	41922 John Mosby Hwy., Aldie, VA 20105.....	703-327-0908

F

Farmers Rest Farm, Inc.....	11801 Farmers Rest Road, Charles City, VA 23030.....	804-241-5629
Farrar Sod Farm, Inc.	996 Baskerville Road, Baskerville, VA 23915.....	434-689-2228
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 Mount, VA 24151.....	540-420-1639
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H

Hill View Farm.....	1324 Clearview Drive, Danville, VA 24540.....	434-770-9311
Hudson Farms Enterprises, Inc.	1008 White Lane, Alton, VA 24520.....	434-579-4542
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 Company.....	P O. Box 806, Fostoria, Ohio 44830.....	419-435-8151
Mid-Atlantic Seeds, Inc.	4965 Cople Hwy., Mt. Holly VA 22524.....	800-854-6251
Nutrien Ag Solutions.....	319 J F Edwards Dr., Geneseo, IL 61254.....	309-944-4791
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
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-T

Sandy Fork Fertilizer, LLC.....	6142 Highway 58, Buffalo Junction, VA 25829.....	434-265-6581
Southern States Cooperative.....	6606 West Broad St., Richmond, VA 23230.....	804-281-1440
Tidewater Seed, LLC.....	29000 Information Lane, Suite 302, Easton, MD 21601...	410-443-0840

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 23030.....	804-832-6550

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	804-472-3500	F

Flavia 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>
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

Hirondella 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	804-472-3500	F

LCS Calypso Barley*U. S. Protected Variety**Can only be sold as a class of Certified seed**Limagrain Licensed Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Northumberland	Cedar Plains Farm, LLC, Wicomico Church	804-761-0590	R
Northumberland	Cedar Plains Farm, LLC, Wicomico Church	804-761-0590	C
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>
Northumberland	Cedar Plains Farm, LLC, Wicomico Church	804-761-0590	R
Northumberland	Cedar Plains Farm, LLC, Wicomico Church	804-761-0590	C

Nomini Barley

<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, Inc., Champlain	804-443-8206	R
Essex	Hundley Seed Company, Inc., Champlain	804-443-8206	C
Franklin	Green Sprig Ag Services, Rocky Mount, VA	540-420-1639	R
Franklin	Green Sprig Ag Services, Rocky Mount, 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



Growers and Conditioners of Quality Certified Seed

- Two Row and Six Row Barley
- Conventional and RR1 Soybeans
- Wheat and Oats

"Producing quality seed for three generations"

Owner, Robert Pollok

1324 Clearview Drive
Danville, VA 24540

sales/cell: 434-770-9311
email: hillviewfarmppollok@yahoo.com

Secretariat 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>
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>
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	
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	R
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	C
Mecklenburg	Sandy Fork Fertilizer, LLC, Buffalo Junction	434-265-6581	R
Mecklenburg	Sandy Fork Fertilizer, LLC, Buffalo Junction	434-265-6581	C
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Danville	434-770-9311	C

Graham Oats

<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

Wrens Abruzzi Rye

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Mecklenburg	Sandy Fork Fertilizer, LLC, Buffalo Junction	434-265-6581	R
Mecklenburg	Sandy Fork Fertilizer, LLC, Buffalo Junction	434-265-6581	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, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Southern States Cooperative, Richmond	804-281-1440	C

Trical 154 Triticale (Variety 946802617)*U. S. Protected Variety*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Augusta	Greener Valley Supply LLC	540-248-1980	C



*Quality
Certified
Small Grains and
Soybeans*

R.W. WHITE FARM, LLC

1961 Princess Anne Lane
Virginia Beach, VA 23456
Telephone: 757-621-0141

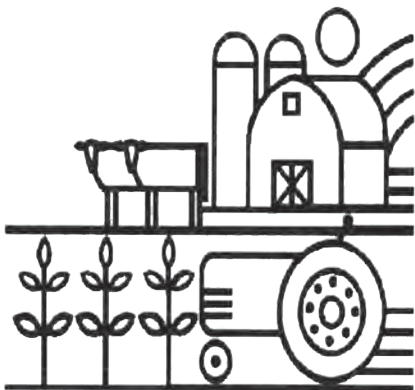
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for
Three Generations***

**** Since 1940 ****



HUNDLEY SEED COMPANY

CONDITIONER & WHOLESALE



*CERTIFIED
SMALL GRAINS
AND
SOYBEANS*

*Franklin Hundley
Conveniently Located
Highway 17 South
P. O. Box 93
Champlain, VA 22438*

Phone: 804-443-8206

#Berkeley Brand Wheat (Variety 16162692)*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	804-472-3500	F

#Bullet 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>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	R
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	C

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	804-832-6550	C

Dyna-Gro 9070 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9600 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9701 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9772 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9811 Wheat

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

Dyna-Gro 9862 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9932 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9941 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA

Dyna-Gro 9980 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Retail Stores	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	QA



WHEAT

Featherstone 125
Featherstone VA-258
USG 3316

Barley

Nomini

OATS

Brooks

THE WHITTINGTON FAMILY

13941 Genito Road
Amelia, Virginia 23002
Office: 804-561-3754

www.featherstoneseed.com

**** Grower *Conditioner *Dealer***

Featherstone 125 Wheat*U. S. Variety Protection Applied For*

<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

Hardy 2519 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
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

Hilliard Wheat*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Halifax	Hudson Farms Enterprises, Inc., Alton	434-579-4542	R
Halifax	Hudson Farms Enterprises, Inc., Alton	434-579-4542	C
Pittsylvania	Hill View Farms, Inc. Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc. Danville	434-770-9311	C

Laverne 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

LCS 3204 Wheat*U. S. Protected Variety**Can only be sold as a class of Certified seed**Limagrain Licensed Variety*

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

Liberty 5658 Wheat*U. S. Variety Protection Applied For*

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	R
Charles City	Farmers Rest Farm, Inc., Charles City	804-241-5629	C
Halifax	Hudson Farms Enterprises, Inc., Alton	434-579-4542	R
Halifax	Hudson Farms Enterprises, Inc., Alton	434-579-4542	C
Pittsylvania	Hill View Farms, Inc., Inc., Danville	434-770-9311	R
Pittsylvania	Hill View Farms, Inc., Inc., Danville	434-770-9311	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

MAS #2 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 #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

MAS #86 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 #106 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 Enterprises, Inc., Alton	434-579-4542	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	Nutrien Ag Solutions, Geneseo, IL	309-944-4791	C
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

Southern Harvest 7200 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>
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

SY Viper 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 Enterprises, Inc., Alton	434-579-4542	R
Halifax	Hudson Farms Enterprises, Inc., Alton	434-579-4542	C

TWS-2719 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Easton, MD	Tidewater Seed, LLC, Easton, MD	410-443-0840	QA

TWS-2818 Wheat

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Easton, MD	Tidewater Seed, LLC, Easton, MD	410-443-0840	QA



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USG 3118 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>
Charles City	Renwood Farms, Inc., Charles City	804-829-2450	QA
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

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
Essex	Hundley Seed Company, Champlain	804-443-8206	QA

USG 3230 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

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

USG 3329 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
Essex	Hundley Seed Company, Champlain	804-443-8206	QA

USG 3472 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 3571 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 3790 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
Essex	Hundley Seed Company, Champlain	804-443-8206	QA

USG 3895 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

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

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
Westmoreland	VCIA Foundation Seed Farm, Mt. Holly	804-472-3500	F

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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. Protected Variety

Can be sold only as a class of Certified seed

Flavia is a winter type barley and was developed by Ackermann Saatzzucht in Germany. The common name of taxon is Wintergerste. The plant growth habit is intermediate to semi-prostrate 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.

Hirondella Barley Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified seed

Hirondella is a winter six row malting barley developed by Ackermann Saatzzucht Germany. It is a medium maturity variety that is 3 days later than Thoroughbred and the same as Endeavor. It is medium plant height, 1" shorter than Thoroughbred and the same height as Endeavor. The head is erect (not dense), strap in shape, and is slightly waxy. It is a long awned variety. Awn surface is rough and hair is absent. It has intermediate resistance to Net Blotch, Spot Blotch, Powdery Mildew, Loose Smut, Stem Rust, and Leaf Rust. It has resistance to Soil Borne Mosaic Virus and Barley Yellow Dwarf Virus.

LCS Calypso Barley Variety Description

Limagrain Licensed Variety

U. S. Protected Variety

Can be sold only as a class of Certified seed

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

LCS Violetta is a Winter two-row malt barley. It was bred by Dr. Heidi Jaiser, Winter Barley Breeder for the Breun Company, a division of Limagrain Europe, in Germany. The main objective was the combination of malting quality, earliness, winter hardiness and resistance to Barley Yellow Mosaic Virus. Main selection criteria is: Earliness, Winter hardiness, Straw stiffness, good resistance against mildew, net blotch, leaf rust, Rhynchosporium, grain quality and malting quality and grain yield. It was tested in several European countries. It was also tested in the 2014 Virginia Tech Management Test for malt-types. Leaf color at boot is green and flag leaf at boot is erect and twisted. Auricle color is white. Plant height averages 80 centimeters. Awns are straight, long, and rough. The probable area of adaptation for LCS Violetta is the Pacific Northwest and the Eastern seaboard of the U.S. due to interest in malt characteristics and resistance to powdery mildew. Recognized classes will be Breeder, Foundation, Registered, and Certified.

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.

Graham Oats Variety Description

Graham Oat is a mid-late maturity oat that matures approximately eight days later than Brooks. It was developed and released by Clemson University. This strain is a medium short line. In the South Carolina Oat Official Variety Trial, 2001, it averaged three inches shorter than Brooks. Test weight averaged 32.2 compared to 31.9 for Rodgers Oats.

Wrens Abruzzi Rye Variety Description

Wrens Abruzzi rye was released to growers in 1953 by the Coastal Plain Experiment Station, Tifton, Georgia. It is one of the earliest strains of Abruzzi. Through many years of natural selection, the Wrens strain of Abruzzi Rye has become well adapted to Southeastern U.S. conditions. Wrens is an early maturing strain of Abruzzi, which produces an abundance of early winter forage. It is a hardy variety. Earliness and a tolerance to several diseases make Wrens Abruzzi more desirable than northern type varieties. Forage and grain production has been high over a period of many years in the Piedmont and Coastal Plain. It has a semi-upright habit of growth.

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. Exclusive licensing has been granted to Southern States Cooperative.

Trical 154 Brand Triticale (946802617) Variety Description

U. S. Protected Variety

Trical 154 Brand was released by Northern Agri-Brands LLC and is a hexaploid winter-type triticale developed for its winter-hardiness, high vegetative forage yield, high boot state silage yield, and early maturity. It is green at booting, with leaves that are glossy and semi-upright. Flag leaf is recurved, not twisted and waxy. It has tan awns and matures early. It must be licensed through Northern Agri-Brands (Trical Superior Forage).

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.

#Berkeley Brand (16162692) Wheat Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified seed

Berkeley Brand 16162692 is a soft red winter wheat with a green plant color at boot stage. It has semi-erect juvenile plant growth. Anther is yellow. At maturity head is mid-dense, slightly tapering, awned, and inclined. Glumes are tan with medium beak width and are medium in length. Seed shape is ovate, red in color, and soft. It is resistant to leaf rust, powdery mildew, tan spot, glume blotch, speckled leaf blotch, scab, soil borne mosaic virus, and Hessian Fly. It has intermediate resistance to stem rust, stripe rust, and wheat yellow mosaic virus.

#Bullet Wheat Variety Description

U. S. Variety Protection Applied For

#Bullet is a strong, bearded soft red winter wheat variety that hits the mark with outstanding yields across a broad range of soil types. It is a medium-early variety, 37" in height with a heavy test weight and excellent lodging. Awned and excellent for all soil types. It is resistant to soil borne mosaic virus, barley yellow dwarf, leaf blotch, glume blotch, powdery mildew, stripe rust, leaf rust, scab and Hessian Fly Biotype.

Featherstone 125 Wheat Variety Description

U. S. Variety Protection Applied For

Featherstone 125 is a full-season soft red winter wheat, with average height, awned, high test weight, semi-dwarf wheat that expresses high levels of resistance to powdery mildew, leaf rust, and Barley Yellow Dwarf Virus. Plant and spike color are blue-green, and it's awned spikes are tapering in shape. Average plant height is 33.8 inches. In the Virginia Preliminary Wheat Test, it ranked 8th among 126 entries with a mean yield of 69.2 bu/ac. Flour of Featherstone 125 is suitable for pastry and cracker products. It is moderately resistant to powdery mildew, glume blotch and stem rust races. It is resistant to leaf rust.

Hardy 2519 Wheat Variety Description

U. S. Variety Protection Applied For

Hardy 2519 is a hard red winter wheat. It is a widely adapted, full season, medium height Virginia wheat with high yield potential. At boot stage plants are green in color and have flag leaves that are erect, twisted and waxy. Spikes are awned, inclined, mid-dense, tapering in shape and white in color at maturity. Straw is yellow, glumes are white and long in length and medium in width. The hard red kernels are ovate in shape with rounded cheeks. Average test weights varied from 57.1 to 59.2 lb/bu. On the basis of milling and bread baking quality tests and assessments, it was judged to have acceptable overall quality for use in flour blends to manufacture bread products. Hardy 2519 is resistant or moderately resistant to powdery mildew, Barley Yellow Dwarf Virus, and leaf and glume blotch. It is widely adapted to the Mid-Atlantic Region.

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.

Laverne Wheat Variety Description

U. S. Variety Protection Applied For

Laverne is a soft red winter wheat line developed at VA Tech. It is a broadly adapted, early heading, semi-dwarf variety that is very short in plant height with very good straw strength. It expresses moderate to high levels of resistance to powdery mildew, leaf rust, stripe rust, stem rust, Barley Yellow Dwarf Virus, Wheat Spindle Streak Mosaic Virus, leaf blotch, leaf and glume blotch, and Fusarium Head Blight. Plant and spike color are green, and its awnletted spikes are strap in shape.

LCS 3204 Wheat Variety Description

Limagrain Licensed Variety

U. S. Protected Variety

Can be sold only as a class of Certified seed

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.

Liberty 5658 Wheat Variety Description

U. S. Variety Protection Applied For

Liberty 5658 is a medium maturity, medium- short height, awned variety. It is a broadly adapted, high yielding, high test weight, mid-season, semi-dwarf soft red winter wheat that has the rust resistance gene cluster and has resistance to Barley Yellow Dwarf Virus. Plant and spike color of Liberty 5658 are blue green, and its awned spikes are tapering in shape. Straw strength on average has been good. Data is not available on winter hardiness. In the 2016 Preliminary wheat test, Liberty 5658 ranked 1st among 126 entries over three locations with a mean yield of 73.7 bu/ac. On the basis of the exceptionally high score for lactic acid SRC and relatively low sodium carbonate SRC, flour of Liberty 5658 likely will be exceptional for production of cracker and bread products, as well as being suitable for pastry products. This is a unique and very desirable trait.

MAS #2 Wheat Variety Description

MAS #2 is available at Mid-Atlantic Seeds, Inc. It is a medium maturity, smooth head, tall variety wheat. It has excellent head blight. It was the tallest wheat in the PA and MD Wheat Trials in 2011. It is excellent for straw production and has very good winter hardiness. Test weight is very good with excellent yield.

MAS #35 Wheat Variety Description

MAS #35 is a medium maturity, awned head, and medium height variety wheat. It is available at Mid-Atlantic Seeds, Inc. This variety had very good yield potential, very good standability, and very good test weight. Highlights for this variety were it placed 1st in the 2019 PSU Performance Trial Summary with 93.8 bu/ac. It also won 1st place in the Lancaster County, PA., PSU Performance Trial with 95.8 bu/ac.

MAS #67 Wheat Variety Description

MAS #67 is a medium-short height, smooth head variety wheat with and average test weight and medium maturity. It has excellent Head Scab resistance. It has good test weight, very good standability and very good forage yields. Highlights are it placed 1st in 2019 in Virginia Tech Fusarium Head Blight Resistance. This variety placed 2nd in the 2016 Penn State Wheat Trials (Lancaster, PA) with 99.3 bu/acre. MAS #67 is available from Mid-Atlantic Seeds, Inc.

MAS #86 Wheat Variety Description

MAS #86 is a new variety available from Mid-Atlantic Seeds, Inc. It has medium maturity with awned heads and tall height. It has good standability, and average test weight with excellent yield potential. It has excellent Head Scab resistance. MAS #86 took 1st place in the 2019 Maryland State Performance Trial Summary with 83.7 bu/ac., and 2nd place in the 2019 Delaware State Trial Georgetown with 130.5 bu/ac.

MAS #106 Wheat Variety Description

MAS #106 is a new variety. It has ultra early maturity with a smooth head and medium-tall height. It has excellent double crop potential, with excellent test weight and very good Head Scab tolerance. A highlight for this variety is it placed 2nd in 2019 Virginia Tech Fusarium Head Blight resistance. This variety 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.

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.

Southern Harvest 7200 Wheat Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified seed

Southern Harvest 7200 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.

SY Viper Wheat Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified seed

SY-Viper is a medium to medium-tall height, semi-dwarf soft wheat variety bred and developed by Syngenta Seeds, Inc. It is medium to medium-early in maturity with white chaff. It has shown broad adaptation with very good yield performance and test weight across the major wheat growing areas of Southeast Missouri, Eastern Arkansas, Western Tennessee and Kentucky, the "Delta" region of Mississippi, North Louisiana, Eastern North Carolina, and Northeastern South Carolina. It has shown moderate resistance to the current races of leaf rust in these areas. SY Viper is intended for grain production. Juvenile growth habit is semi-erect. Plant color at boot state is blue green. Anther color is yellow. Flag leaf at boot state is erect and twisted and wax is present. Head shape is tapering and awnletted. SY Viper may only be sold as a class of certified seed and all seed sales are royalty bearing.

TWS-2719 Wheat Variety Description

TWS-2719 is a medium-early, soft red winter wheat with high yields. It is an awned variety, with a plant height above medium. Head type is bearded. It has resistance to FHB-1 scab and has very good powdery mildew resistance. It is widely adapted to all soils and has shown stable performance across all environments. Test weight was excellent.

TWS-2818 Wheat Variety Description

TWS-2818 is a medium-early soft red winter wheat. It is an awned variety, with medium plant height. Standability is very good. It has resistance to FHB-1 scab, and is resistant to Hessian Fly Bio type L. TWS-2818 is a market leader with fast growth and excellent tillering, high yielding and widely adapted.

USG 3118 Wheat Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified seed

USG 3118 wheat was released by UniSouth Genetics, Inc. It is an early maturity wheat with short height, tip-awned head, and excellent test weight. This variety has excellent winter hardiness, excellent standability and tillering. USG 3118 is widely adaptable. It has excellent resistance to Hessian fly, leaf rust, powdery mildew, stripe rust and leaf blotch. It has good resistance to stem rust, and glume blotch.

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 3230 Wheat Variety Description

U. S. Patented Variety

USG 3230 wheat is an early maturing variety released by UniSouth Genetics, Inc. It is medium-short and awned with great test weight. It has excellent Winter hardiness, standability, emergence and tillering. This variety has good resistance to Southern Rust races, fast emergence and early growth. It has excellent resistance to leaf rust and powdery mildew and stripe rust. It has moderate resistance to soil borne mosaic virus. Resistance to scab is fair.

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 3329 Wheat Variety Description

U. S. Patented Variety

USG 3329 wheat variety was released by UniSouth Genetics, Inc. It is a medium early maturing variety with a medium height and great test weight. It has awned heads, excellent standability, winter hardiness and tillering. It is widely adaptable and has excellent scab and stripe rust resistance. It has good resistance to glume blotch and leaf blotch.

USG 3472 Wheat Variety Description

U. S. Patented Variety

USG 3472 wheat variety was released by UniSouth Genetics, Inc. It is a medium maturity, medium height, awned variety with good test weight. It has excellent Winter hardiness, standability, tillering and seeds per lb. Its strengths are it is widely adapted, has top end yields, and has resistance to all rusts.

USG 3571 Wheat Variety Description

U. S. Patented Variety

USG 3571 wheat has medium maturity, medium-tall height, awned heads, and great test weight. It has excellent Winter hardiness, standability, tillering and it averages 13,000 seeds per lb. Strengths are it is widely adapted and has resistance to Hessian Fly and Powdery Mildew and Rusts.

USG 3790 Wheat Variety Description

U. S. Patented Variety

USG 3790 is a medium late variety of soft red winter wheat released by UniSouth Genetics, Inc. It is medium short with awned heads and great test weight. It has excellent Winter hardiness, standability, and tillering. It is resistant to Stripe Rust and a perfect fit for the Mid-Atlantic region. It will not lodge. It is resistant to soil borne mosaic virus, and powdery mildew, glume blotch, leaf blotch, and moderately resistant to scab and leaf rust.

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 awnletted. 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

Can be sold only as a class of Certified seed

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 Soil Borne Mosaic Virus, and glume blotch and Fusarium Head Blight. It also is moderately susceptible to Stripe Rust.

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2020-21 Virginia Turfgrass Variety Recommendations

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Whitnee Askew, Research Associate, Virginia Tech

Thomas Hardiman, Virginia Crop Improvement Association and Virginia Tech

The Maryland-Virginia Turfgrass Variety Recommendation Work Group meets annually to consider the previous year's data from Virginia and Maryland National Turfgrass Evaluation Program (NTEP) and ancillary trials and to formulate these recommendations. Virginia and Maryland variety recommendations are essentially identical except for specialized grasses and research situations that differ due to adaptation and state regulation. To qualify for this recommended list turfgrass varieties: 1) must be available as certified seed or, in the case of vegetative varieties, as certified sprigs or sod; 2) must be tested at sites in both Virginia and Maryland; 3) must perform well, relative to other varieties, for a minimum of two years to make the list as a "promising" variety and for three years to make the "recommended" category. All test locations in Virginia and Maryland are considered in making these recommendations. The Virginia Crop Improvement Association (VCIA) will accept the turfgrass blends or mixtures listed below in the VCIA Sod Certification Program. All seed or vegetative material must be certified and meet minimum quality standards prescribed by the VCIA. Many seeding specifications (for municipalities, counties, state and governmental agencies, landscape architects, and professional organizations) state that varieties used for turfgrass establishment must come from this list and that blends or mixtures follow the guidelines for certified sod production. Specifications for state highway seeding can be developed separately and may require some species and/or varieties not normally recommended for uses other than roadside seeding. Seed availability may vary between turf seed suppliers. Some species and varieties may have limited adaptation.

Kentucky Bluegrass – Individual varieties selected must make up not less than 10%, nor more than 35% of the total mixture on a weight basis. All varieties must be certified. Selections can be made from Category I alone or various combinations of Categories I and II. Kentucky bluegrasses listed as "Promising" (Category II below) can account for no more than 35% of the blend by weight).

Category I – Recommended Kentucky Bluegrass Varieties (65–100% of blend by weight). Aries, Blue Bank, Blue Coat, Blue Note, Bolt, Endurance, Full Back, Hampton, Legend, Midnight, Noble, Shannon, SPF30, and Skye.

Category II – Promising Kentucky Bluegrasses (10–35% on a weight basis). After Midnight, Amaze, Barserati, Barvette, Babe, Blue Devil, Blue Gem, Bombay, Cloud, Dauntless, Finish Line, Jersey, New Moon, Nurush, Orion, Pivot, Selway, Starr, Syrah, Thermal Blue¹, Twilight, Yellowstone, United, Volt¹, and Wildhorse¹ (Thermal Blue, Volt and Wildhorse are only for mixing with tall fescue for mixed species sod production).

Tall Fescue – Both recommended and promising varieties can be used in the VCIA Sod Certification Program.

Category I – Recommended Tall Fescue Varieties (90–100% on a weight basis). 4th Millennium SRP, AST 7003, AST 9002, Avenger II, Black Tail, Bloodhound, Bullseye, Catalyst, Crossfire, Fayette, Firebird 2, Firecracker SLS, Firewall, Gazelle II, Gold Medallion, Grande 3, Guardian 41, Hemi, Hounddog 8, Inferno, Integrity, Justice, Leonardo, Maestro, Michelangelo, Mustang 4, Penn RK4, Raptor III, Rebel IV, Rebel V, Rebel XLR, Rebounder, Reflection, Regenerate, Rendition RX, Rockwell, Rowdy, Saltillo, Screamer LS, Spyder LS, SR 8650, Sunset Gold, SuperSonic, Technique, Temple, Thor, Titanium 2LS, Titan Rx, Trinity, Turbo, Turbo RZ, Valkyrie LS, Wichita, and Xtremegreen.

Category II – Promising tall fescue varieties (may be 90–100% of the mixture on a weight basis): AST 5112, AST 7002, AST 9003, Birmingham, Hudson, Jaguar 4G, Lifeguard, Maestro, Monument, Moondance, Moondance GLX, Paramount, Persuasion, Pro Gold, Rain Dance, Six Point, Springwood, South Fork, Standout, Summer, Titan Ultra, and WATKINS.

Kentucky bluegrass varieties recommended for mixing with tall fescue sod to enhance sod strength (10% standard, up to 15% of the seed mixture by weight is possible for certification): All cultivars in Categories I and II above.

Bermudagrass – Varietal differences in texture and winter hardiness are important considerations. If no notation follows the variety name this indicates it has performed in the top statistical category at both Blacksburg and HRAREC in Virginia Beach. Varieties with the notation # are only recommended in Virginia's warmest regions due to cold tolerance concerns. No guarantees can be made regarding any bermudagrass cultivar's winter survival in the transition zone, as damage to any cultivar is possible in an extreme winter

Category I – Recommended vegetatively propagated bermudagrass varieties: Celebration[#], Latitude 36, Northbridge⁴, Patriot, Premier Pro brand (variety name is Premier)⁴, Tahoma 31, TifTuf (DT-1), and Tifway[#].

Category II – Promising vegetatively propagated bermudagrass varieties: Iron Cutter

Category III – Recommended seeded bermudagrass varieties: Princess-77^{#,3}, Riviera³, and Yukon³.

Category IV – Promising seeded bermudagrass varieties: Arden 15, Monaco, Rio, and SWI-1070.

Zoysiagrass – (Varietal differences in texture and winter hardiness are important considerations.)

Category I – Recommended vegetatively propagated zoysiagrass varieties: Meyer and Zeon

Category II – Recommended seeded zoysiagrass varieties: Zenith⁴

Perennial Ryegrass – (not for use in sod production) Use certified seed.

Category I – Recommended perennial ryegrass varieties: Apple SGL, Banfield¹, Benchmark, Fiesta 4¹, Grand Slam GLD, Homerun, Karma, Line Drive GLS¹, Octane⁴, Soprano, and Stellar 3 GL.

Category II – Promising perennial ryegrass varieties: Alloy, All Star 3, All Star Fore, Apple 3GL, Big League, Black Pearl, Evolve, Fastball 3GL, Fiesta Cinco, Gray Fox, Gray Wolf, Homerun LS, Infusion, Intense, Seabiscuit, Shield, Sideways, Signet, Silver Spot, Slugger 3GL, SP 4660ST, Spike GLS, SR 4650, SR 4700, Stellar 4GL, Superstar GL, Umpqua, Wicked, and Xcelerator

Fine Fescues – For general use in low maintenance areas or in partial to full shade. Promising varieties have limited performance data or availability as certified seed. Neither blending varieties nor mixing species have been studied extensively in MD or VA and limited research does not indicate any advantage to blending or mixing varieties from the different fine fescue species listed. Use only certified seed.

Creeping red fescue – Recommended varieties: None at this time. **Promising:** Seamist¹.

Chewings fescue – Recommended: Compass II, Radar **Promising:** Momentum.

Hard fescue – Recommended: Beacon, Gladiator, Jetty, Minimus, Resolute, and Sword. **Promising:** None at this time.

Sheep fescue – Recommended or promising: None at this time.

Kentucky bluegrass varieties recommended for mixing with fine fescue sod to enhance sod strength (up to 10% of the seed mixture by weight): All cultivars from Kentucky bluegrass Categories I and II.

Varieties marked with superscript notations denote the following:

- (1) to be considered for removal in 2021 due to declining performance relative to other varieties.
- (2) to be considered for removal in 2021 due to declining seed quality
- (3) to be considered for removal in 2021 due to the absence of recent testing of certified seed lots in MD and VA.
- (4) to be considered for removal in 2021 due to lack of recent testing in MD and VA.

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SPES-237NP

TURFGRASS SOD

Celebration Bermudagrass Turfgrass Sod

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
Montgomery	Lavery Sod Farm, Elliston	540-268-1220	C
New Kent	Old Church Sod Farm, New Kent	804-381-3851	C
Prince William	Kettle Wind Farm LLC, Nokesville	703-499-0187	C

Latitude 36™ Bermudagrass Turfgrass Sod

Variety OKC 1119

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

NorthBridge™ Bermudagrass Turfgrass Sod

Variety OKC 1134

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

Patriat 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

Tahoma 31™ Bermudagrass Turfgrass Sod

Variety OKC 1131

<u>County</u>	<u>Name, City</u>	<u>Telephone #</u>	<u>Class</u>
Charles City	Riverside Turf, Charles City	804-829-2608	F R C

TifTuf™ Bermudagrass Turfgrass Sod**Variety DT-1***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
Halifax	Carver Brothers Turf, Roxboro NC	336-592-0547	F R C
Mecklenburg	Farrar Sod Farm, Inc., Baskerville	434-689-2228	F 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

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

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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) Variety 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.

Tahoma 31 Bermudagrass Variety Description

U. S. Protected Variety

Can be sold only as a class of Certified Seed

Tahoma 31 turf bermudagrass was released by the Oklahoma State University turf bermudagrass breeding and development team in 2017. The grass has substantial improvements in cold hardiness, early spring green up, drought resistance, and traffic tolerance. It has short internodes, offering tolerance to low mowing heights. This grass combines high turf quality and wide adaptation. It is a sterile hybrid that is only capable of being propagated by vegetative reproduction (i.e.; sod, sprigs, and plugs). It is sold only as Certified turf bermudagrass from licensed producers. It can be used where high quality turf is demanded and good management will be practiced on sites that include sports fields, golf courses, commercial properties, and high quality residential lawns.

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. It 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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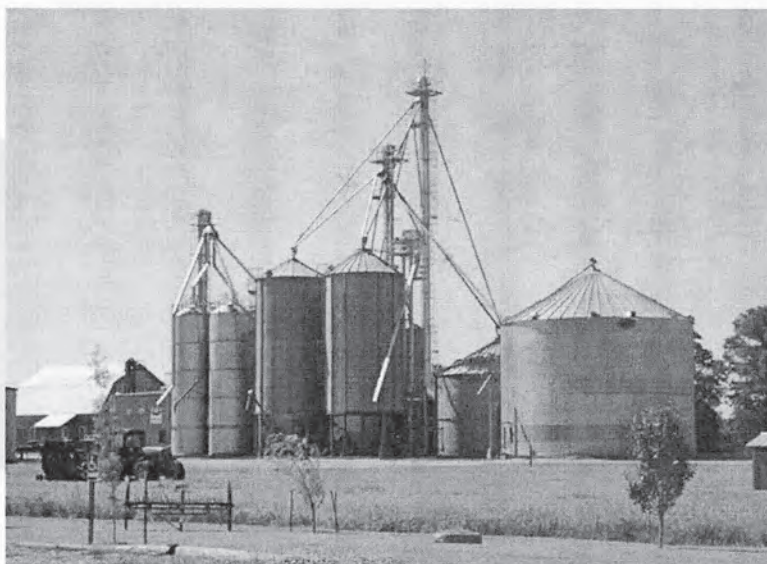
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