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**FOREWORD**

The North Carolina Crop Improvement Association (NCCIA) is a non-profit educational and service organization recognized as the official agency for seed certification in North Carolina. Certification is a system of records, inspections, and standards. NCCIA is managed by a board of eleven directors elected from its membership. NCCIA is a member of the Association of Official Seed Certifying Agencies (AOSCA).

The purpose and objectives of the Association are:

1. To encourage the production of excellent quality seed grown and distributed under controlled conditions to ensure genetic identity and purity.
2. To encourage the more widespread use of superior seeds by such means as may be designated by its members or Board of Directors.
3. To certify only varieties accepted by NCCIA.

**NOTICE TO BUYERS**

All inquiries and purchases of certified seed should be made directly from the growers listed in this directory. It is the grower's responsibility to supply seed representative of the seed submitted and approved for certification by North Carolina Crop Improvement Association. It is recommended that the buyer examine the seed and the 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.

The North Carolina Crop Improvement Association can assume no financial responsibility for seed listed in this directory or for disagreements over sales that may arise from the list. However, any seed purchased or delivered not meeting certification standards should be brought to the attention of the Director of the Association. Certification standards pertain only to trueness-to-type, diseases and weeds. NCCIA does not warrant the final condition of the seed.

**SEED PASSING FIELD INSPECTION**

All lots of seed listed herein have passed field inspection. Final certification of these seed depends upon the purity and germination tests. Orders may be booked subject to certification.

**PROSPECTIVE PRODUCERS OF CERTIFIED SEED**

Farmers interested in starting production of certified seed should contact the North Carolina Crop Improvement Association office for a copy of certification regulations and suggestions as to the best source of seed and methods of handling the crop. **NOT ALL CERTIFIED SEED IS ELIGIBLE FOR RECERTIFICATION.**

**NORTH CAROLINA CROP IMPROVEMENT**

**Board of Directors**

| Name, City                           | Term | Expires | Name, City               | Term | Expires |
|--------------------------------------|------|---------|--------------------------|------|---------|
| Matt Renfrow, Washington <b>PRES</b> | 2    | 2020    | Sue Leggett, Nashville   | 1    | 2018    |
| David Brickhouse, Columbia <b>VP</b> | 2    | 2018    | Dawson Rascoe, Windsor   | 2    | 2018    |
| Kelly Bennett, Bladenboro            | 1    | 2019    | Kevin Roberts, Hertford  | 1    | 2018    |
| Clay Gardner, Angier                 | 2    | 2019    | Paul Sodoma, Leland      | 1    | 2020    |
| Archie Griffin, Washington           | 1    | 2020    | Chuck Widney, Greenville | 2    | 2019    |
| Jason Hinton, Zebulon                | 2    | 2020    |                          |      |         |

\*\*\*\*\*

**NCCIA Staff**

|                      |                               |
|----------------------|-------------------------------|
| Bill Foote .....     | Director                      |
| Dustin Auman .....   | Assistant Director            |
| Charlie Barnes ..... | Seed Certification Specialist |
| Rita Helms .....     | Program Manager               |
| Dianne Coats .....   | Accounting Technician         |

\*\*\*\*\*

**FOUNDATION SEED**

Inquiries regarding availability of Foundation Seed of varieties released by NCSU and other universities should be directed to:

Dr. Daryl Bowman Manager  
 NC Foundation Seed Producers, Inc.  
 8220 Riley Hill Rd., Zebulon, NC 27597  
 Phone: 919-269-5592, Fax: 919-269-5593, email: ncfspi@nc.rr.com

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**DATES FOR FILING APPLICATION FOR CERTIFICATION**

Growers wishing to produce Certified Seed should file an application with the NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION, 3709 Hillsborough Street, Raleigh, North Carolina 27607, prior to the dates shown below. Application forms will be mailed upon request.

|   |            |
|---|------------|
| Grass - Cool Season Turf .....                | February 1 |
| Grass - Forage and Warm-Season Turf .....     | April 1    |
| Peanut .....                                  | July 1     |
| Small Grain .....                             | April 1    |
| Soybean .....                                 | August 1   |
| Sweetpotato & Other Horticultural Crops ..... | August 15  |
| Tobacco .....                                 | June 15    |

# 2017 SMALL GRAIN SUMMARY

## BARLEY

|                    |                   |             |              |
|--------------------|-------------------|-------------|--------------|
| Amaze 10<br>Nomini | Atlantic<br>Price | LCS Calypso | LCS Violetta |
|--------------------|-------------------|-------------|--------------|

## OATS

|                      |                    |                                     |                        |
|----------------------|--------------------|-------------------------------------|------------------------|
| Brooks<br>NC09-4503N | Caballo<br>Rodgers | Gerard 224<br>Southern States 76-30 | Gerard 229<br>SS 76-50 |
|----------------------|--------------------|-------------------------------------|------------------------|

## RYE

Wrens Abruzzi

## TRITICALE

|     |       |                                 |                   |
|-----|-------|---------------------------------|-------------------|
| 336 | Arcia | SS Triticale 1414 (NC01PT-1433) | Trical® Brand 308 |
|-----|-------|---------------------------------|-------------------|

## WHEAT

|  |   |   |  |
|--|---|---|--|
| 26R10<br>26R53<br>Carolina White<br>LCS Panther<br>Roane<br>Southern Harvest 4300<br>SY Harrison | 26R20<br>26R59<br>Coker 9553<br>NC09-20986<br>Savoy<br>Southern Harvest 4400<br>SY Miskin | 26R36<br>Appalachian White<br>Gerard 557<br>Nu-East<br>Shirley<br>Southern Harvest 5550<br>SY Viper | 26R41<br>Baldwin<br>Hilliard<br>Oakes<br>SH 7200<br>SY 9978<br>XW15C |
|--|---|---|--|

## QUALITY ASSURANCE

|   |   |   |   |
|---|---|---|---|
| AP 1871E<br>Gerard 557<br>Southern Harvest 4300<br>USG 3201<br>USG 3536 | AP 1933<br>L 11610<br>Southern Harvest 4400<br>USG 3404<br>USG 3895 | AP 1947<br>L11621<br>USG 3120<br>USG 3458<br>XP171 (L11550) | Arcia<br>LCS 3204<br>USG 3197<br>USG 3523 |
|---|---|---|---|

## SERVICE

|   |   |   |                              |
|---|---|---|------------------------------|
| Croplan 520<br>Croplan 8530<br>Dynagro 9552 | Croplan 520<br>Croplan 8550<br>Dynagro 9701 | Croplan 8340<br>Croplan 9410<br>SS 8415 | Croplan 8415<br>Croplan 9415 |
|---|---|---|------------------------------|

# SMALL GRAIN CERTIFICATION STANDARDS

## (In Part)

### Sources of Seed

Fields to be eligible for inspection for certification must be planted with either **Foundation Seed or Registered Seed.**

### Field Standards

The field must be isolated by a definite division or distance of at least ten (10) feet and meet the following requirements:

|  | Foundation        | Registered        | Certified         |
|--|-------------------|-------------------|-------------------|
| Other varieties and off-types (maximum)  | 0.02%             | 0.05%             | 0.1%              |
| Other crops (maximum)                    | None              | ---- <sup>1</sup> | ---- <sup>1</sup> |
| Weeds (maximum)                          | ---- <sup>2</sup> | ---- <sup>1</sup> | ---- <sup>1</sup> |
| Loose smut and covered smut <sup>3</sup> |                   |                   |                   |
| Oat, Triticale, Wheat                    | ----              | 0.05%             | 0.25%             |
| Barley                                   | ----              | 0.02%             | 0.1%              |

<sup>1</sup> Reject if severe

<sup>2</sup> No noxious weeds, darnel, chess, or cheat

<sup>3</sup> Require a recommended seed treatment for certification if the field exceeds the standard

### Seed standards

A sample must be tested and the lot of seed meet the following standards:

| Factor  | Foundation | Registered        | Cert.-1           | Cert.-2            |
|---|------------|-------------------|-------------------|--------------------|
| Pure seed (minimum)                             |            |                   |                   |                    |
| Barley, Oat, Triticale, Wheat                   | 98%        | 98%               | 98%               | 97%                |
| Rye   | 97%        | 97%               | 97%               | 96%                |
| Inert matter (maximum)                          |            |                   |                   |                    |
| Barley, Oat, Triticale, Wheat                   | 2%         | 2%                | 2%                | 3%                 |
| Rye   | 3%         | 3%                | 3%                | 4%                 |
| Weed seed (maximum)                             | 0.01%      | 0.02%             | 0.05%             | 0.1%               |
| Restricted noxious weeds <sup>1</sup> (maximum) | None       | None              | None <sup>2</sup> | 5/lb <sup>3</sup>  |
| Other crop seed (maximum)                       |            |                   |                   |                    |
| Other kinds                                     | None       | 1/lb <sup>4</sup> | 5/lb <sup>5</sup> | 10/lb <sup>6</sup> |
| Other varieties and off-types                   | 0.02%      | 0.05%             | 0.1%              | 0.1%               |
| Germination (minimum)                           |            |                   |                   |                    |
| Barley, oats, triticale, wheat                  | ----       | 85%               | 85%               | 75%                |
| Rye   | ----       | 80%               | 80%               | 70%                |
| Barley loose smut <sup>7</sup>                  | ----       | 0.05%             | ----              | ----               |

<sup>1</sup> Includes all noxious weeds, darnel, chess, and cheat.

<sup>2</sup> Permit one viable wild onion or wild garlic bulblet per pound

<sup>3</sup> Blessed thistle, cocklebur, sandbur, sicklepod, spurred anoda, velvetleaf, wild onion, and wild garlic are limited to four (4) seed / LB

<sup>4</sup> Limited to other small grain

<sup>5</sup> Limited to other small grain, except three rye in other small grain, one vetch, five sorghum, or five soybean seed / LB

<sup>6</sup> Rye in other small grain and vetch limited to five seed of each / LB

<sup>7</sup> Loose smut to be determined by embryo test. If field or seed standards are exceeded, a recommended seed treatment must be used for certification.

**Descriptions on the following pages are brief descriptions and are based on information provided by the owner of the variety at the time of release and are believed to be accurate. However, certain traits, such as disease reactions, may change as new races of pathogens become prevalent.**

## BARLEY

**AMAZE 10** is a moderately early heading, long awned, six-row, winter hullless barley, having white seed color, strapped head shape, high grain yield, and good straw strength. 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 hullless cultivars. **US PROTECTED VARIETY and is exclusively licensed by Virginia Tech Intellectual Property Office**

| COUNTY  | PRODUCER  | TELEPHONE & FAX # |
|---------|---|-------------------|
| Sampson | WF PARTNERSHIP (Bartley Warren)<br>PO Box 223, Newton Grove 28366 | 910-385-5098      |

**ATLANTIC** is a high-yielding, moderately early heading, short stature, six-row winter barley having high test weight and good winter hardiness. Average plant height is 33". Atlantic is resistant to powdery mildew and moderately resistant to leaf rust. Atlantic is a potential commodity for fuel ethanol, feed and food production, providing grain of superior end-use quality and marketability. Additional growers' agreement must be signed prior to seed production. **US PROTECTED VARIETY**

| COUNTY | PRODUCER  | TELEPHONE & FAX #            |
|--------|---|------------------------------|
| Rowan  | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125 | 704-278-9531<br>704-278-2528 |

**LCS CALYPSO** is a two-row winter malting barley bred by Limagrain Europe s.a. in France. LCS Calypso medium maturity (flowers five days later than 'Thoroughbred'), is short stature, exhibits anthocyanin and has long awns. LCS Calypso is adapted to winter malt barley growing regions of North Carolina, Virginia, Maryland, Pennsylvania, and New York. LCS Calypso may contain up to 0.1% tall plants and up to 0.1% later drooping heads. **US VARIETY PROTECTION APPLIED FOR. Registered and Certified seed may only be produced and sold only through a license agreement with Limagrain Cereal Seed. Crop may not be sold, reproduced or otherwise exposed for sale as seed.**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |

**LCS VIOLETTA** is a two-row winter barley, developed and licensed by Limagrain Cereal Seeds. It is a short stature plant height (averages 31.4 inches), an early maturing with green leaves at boot. Flag leaf is erect and twisted at boot. Auricle color is white, with straight, long, rough awns. Violetta was selected for its malting quality, earliness, winter hardiness and resistance to Barley Yellow Mosaic Virus. Violetta also showed excellent tolerance to leaf rust, powdery mildew, and net blotch. It is adapted for the Pacific Northwest and the Eastern Seaboard of the US. Licensed to produce seed through Limagrain Cereal Seeds and no farmer saved seed allowed; Community Plant Variety Rights

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |

**NOMINI** is an early maturing, medium tall, high yielding six-row winter barley with compact spikes released by the Virginia Agricultural Experiment Station. It is resistant to powdery mildew, *Septoria*, and barley yellow dwarf virus. Nomini is moderately susceptible to leaf rust and is not very winter hardy.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Rowan  | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125                | 704-278-9531<br>704-278-2528 |
| Stanly | DOGWOOD FARMS (Dwight Lowder)<br>25318 Austin Road, Albemarle 28001              | 704-982-8148<br>704-982-8149 |
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**PRICE** is a medium maturity, short awned, six row winter barley released by Virginia Polytechnic Institute and State University and Virginia Agricultural Experiment Station. Flag leaf is upright. Maturity is three days later and average plant height (34 inches) is two inches taller than Callao. Straw strength and test weight are rated very good. Resistant to powdery mildew and barley yellow dwarf. It is moderately resistant to leaf rust. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Stanly | DOGWOOD FARMS (Dwight Lowder)<br>25318 Austin Road, Albemarle 28001              | 704-982-8148<br>704-982-8149 |
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

## OATS

**BROOKS** is a medium early 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.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**CABALLO** is a hullless winter oat variety released by North Carolina Agricultural Research Service. It has high test weight. It is susceptible to crown rust. Caballo is three days earlier than Brooks and shorter than most other oat varieties. Depending upon the growing environment, threshed seed lots of Caballo may contain over 50% hulled grains. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**GERARD 224** is similar to Rodgers in leaf color, stem, and panicle shape but shorter than Rodgers by 5 inches averaging 41 inches tall. It has more stalk strength than Rodgers and heads one day earlier than Rodgers. It has hairy yellow stems with erect, dark green leaves that are smooth on the margins and leaf sheath. It has a recurved rachis and yellow, smooth lemmas, and non-twisted awns. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed. No Registered Class.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | GERARD SEED COMPANY (Walt Gerard), 1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Wake     | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597      | 919-269-5592<br>919-269-5593 |

**GERARD 229** is similar to Rodgers in leaf color, stem, and panicle shape but shorter than Rodgers by 6 inches averaging 38 inches tall. It has more stalk strength than Rodgers and heads four days later than Rodgers. It has hairy yellow stems with erect, dark green leaves that are smooth on the margins and leaf sheath. It has a recurved rachis and yellow, smooth lemmas, and is awnless. It has a nice gold color grain similar to Brooks. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed. No Registered Class.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | GERARD SEED COMPANY (Walt Gerard), 1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Wake     | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597      | 919-269-5592<br>919-269-5593 |

**NC09-4503N** is a hull-less winter oat variety released by the North Carolina Agricultural Research Service. It is a high yielding, early maturing, medium statured, hull-less oat with excellent test weight, plump groats moderate pubescence, and moderate winter hardiness. It is adapted to oat-producing regions of North and South Carolina. Depending upon the growing environment, threshed seed lots of NC09-4503N may contain over 50% hulled grains. **It is exclusively licensed to Riverbend Malthouse and seed can only be produced as a Class of Certified Seed.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**RODGERS** is a high yielding, mid-season oat cultivar released by the North Carolina Agricultural Research Service in cooperation with USDA ARS. It has good test weight, kernel size, plant height, straw strength, and tolerance to barley yellow dwarf virus. **No Registered Class.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Stanly | DOGWOOD FARMS (Dwight Lowder) 25318 Austin Road, Albemarle 28001                 | 704-982-8148<br>704-982-8149 |
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**SOUTHERN STATES 76-30** is a medium late winter oat variety released by Southern States Cooperative. It is medium tall and is similar to Coker 716 in several plant characteristics and in reaction to several diseases. The variety is susceptible to Crown and Stem Rust, but is resistant to soil-borne mosaic and culm rot. It is generally adapted to the Piedmont and Coastal Plain.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**SS 76-50** is developed by North Carolina State University. It is a late variety (107 days) oat with a dark green leaf color. It has a semi-prostrate juvenile growth habit and an erect rachis. It has a medium-tall plant height (89 cm) and equilateral panicle head shape.

| COUNTY       | PRODUCER   | TELEPHONE & FAX #            |
|--------------|--|------------------------------|
| Wake         | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon) 2075 Main St. Lafayette, IN 47909          | 804-291-6785                 |

## RYE

**WRENS ABRUZZI** was released in 1953. It is an early maturing variety. It is adapted to the southeastern US, with good winter forage production and tolerant to several diseases.

| COUNTY  | PRODUCER   | TELEPHONE & FAX #            |
|---------|--|------------------------------|
| Sampson | LUCAS FARMS (Henry Lucas Jr.) 2000 New Hope Church Rd., Turkey 28393             | 910-296-7431                 |
| Sampson | CAVENAUGH AGRI SALES, INC. (Neil Phillips), 5661 Plain View Hwy, Dunn 28334      | 910-892-5043<br>910-892-8010 |
| Wake    | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

## TRITICALE

**336** is a hexaploid winter-type triticale bred by Resource Seeds, Inc. for grazing, silage, boot-stage hay, and grain production. It is most similar in appearance to Presto but shorter. 336 is awned and mid-maturity. 336 is green at booting with leaves that are glossy and semi-upright. The flag leaf is generally erect and twisted, although the flag leaf of about 20% of the plants may not appear twisted. Spikes are mid-dense and brown to very light brown at maturity. Glumes are glabrous, long, and mid-wide. **US PROTECTED VARIETY**

| COUNTY  | PRODUCER  | TELEPHONE & FAX #            |
|---------|---|------------------------------|
| Tyrrell | CHERRY FARMS SEED COMPANY, INC. (David Brickhouse), 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |

**ARCIA** is a winter triticale that was developed cooperatively by NC Agricultural Research Services and the USDA-ARS. Arcia is a high-yielding, early to midseason maturing cultivar with excellent test weight and kernel size for a triticale. The juvenile growth habit is prostrate. The leaves are glabrous and semi-waxy with a light tan color at maturity. The spike is awned, dense, and fusiform with good fertility. The glumes are light tan to yellow with pubescence along the edges only. There is no detectable shattering at maturity. It shows good winter hardiness and standability. This variety is **exclusively licensed to Cherry Farms by NCSU Agricultural Research Services.**

| COUNTY  | PRODUCER  | TELEPHONE & FAX #            |
|---------|---|------------------------------|
| Tyrrell | CHERRY FARMS SEED COMPANY, INC. (David Brickhouse), 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |
| Wake    | NC FOUNDATION SEED PRODUCERS (Daryl Bowman) , 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**SS TRITICALE 1414 (NC01PT-1433)** is a winter triticale released from Dr. Paul Murphy's NCSU wheat breeding program, tested as NC01PT-1433. It is awned with a semi-prostrate growth habit and a recurved, non-twisted flag leaf. It has a medium maturity with mid-tall plant height. It has a yellow-green color at boot stage with a mid-dense fusiform head. It is resistant to powdery mildew and leaf rust and susceptible to barley yellow dwarf virus. SS 1414 is most similar to the triticale cultivar Arcia, but matures 3 days earlier. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed; exclusive license has been granted to Southern States. No Registered Class**

| COUNTY | PRODUCER  | TELEPHONE & FAX #            |
|--------|---|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman) , 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**TRICAL® BRAND 308** is a medium maturity variety with tall plant height, released by Resource Seeds, Inc. in 2002. Coleoptile color is purple and juvenile growth habit is erect. Flag leaf is recurved. Auricle color is white. Head color is tan at maturity and is awned. **US PROTECTED VARIETY.**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |



## WHEAT

**26R10** is a soft red winter wheat developed by Pioneer Hi-Bred International, Inc. It has shown adaptation to the soft red winter wheat growing regions of the southeastern and mid-southern US, approximately south of the Ohio River. It has shown very good stripe rust resistance. It exhibits good resistance to leaf rust, soil-borne mosaic virus, and wheat spindle streak mosaic virus. It has shown slightly below average resistance to Fusarium head blight (scab). 26R10 has resistance to biotype L of Hessian fly from the H13 resistance gene. It is a later maturity with an average of 122 days to heading. 26R10 has a semi-erect juvenile growth habit. Leaf color is Green with a waxy present recurved twisted flag leaf at boot. It is an awned plant with an ovate seed shape. **US**

**PROTECTED VARIETY**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Beaufort | CIRCLE GROVE SEEDS, INC. (Marian Keech),<br>PO Box 280, Belhaven 27810       | 252-943-3141<br>252-943-2940 |
| Pitt     | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |
| Scotland | DUPONT PIONEER (Rick Love)<br>21781 Skyway Church Road, Maxton 28364         | 910-844-3648<br>910-844-5548 |

**26R20** is a soft red winter wheat with a semi-erect growth habit with recurved, twisted flag leaf. It averages 129 days to heading. It has yellow anthers. It has an oblong, inclined spike that is awned. It averages 38 inches in height. Good resistance to leaf rust, stripe rust, and powdery mildew. It has average resistance to spindle streak mosaic, soil-borne mosaic, and leaf blights.

**US PROTECTED VARIETY**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Pitt   | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |

**26R36** is a soft red winter wheat developed by DuPont Pioneer. Its best adaptation has been shown to be in the Southern soft wheat regions. Has shown strong resistance to leaf rust, stripe rust, Fusarium head blight (scab) and soil-borne mosaic virus. Juvenile growth habit is semi-erect, leaf color at boot is green; flag leaf at boot is erect, twisted, with wax present. Anthocyanin is present. Plant height is 35-36 inches with awned heads and medium glume length that is white/amber. **US VARIETY PROTECTION**

**APPLIED FOR.**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Beaufort | CIRCLE GROVE SEEDS, INC. (Marian Keech),<br>PO Box 280, Belhaven 27810 | 252-943-3141<br>252-943-2940 |
| Scotland | DUPONT PIONEER (Rick Love)<br>21781 Skyway Church Road, Maxton 28364   | 910-844-3648<br>910-844-5548 |

**26R41** was developed by Pioneer Hi-Bred International and is an awned soft red, winter wheat. It has excellent resistance to stripe rust and very good resistance to powdery mildew and leaf rust. Also is resistant to straw lodging with good straw strength. It has high yield potential and high test weight. Well adapted to southern soft wheat growing regions. Average plant height is 33 inches.

**US PROTECTED VARIETY**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Pitt     | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |
| Scotland | DUPONT PIONEER (Rick Love)<br>21781 Skyway Church Road, Maxton 28364         | 910-844-3648<br>910-844-5548 |

**26R45** – Developed by Pioneer Hi-Bred International is an apically awnletted soft red, winter wheat. 26R45 is a medium tall height plant with an erect juvenile growth habit. The flag leaf is erect and twisted with a wax present, and the leaf color is green at boot growth stage. Head density is mid-dense, head shape is tapering, and head color is tan at maturity. 26R45 has excellent resistant to stripe rust and very good resistance to powdery mildew and leaf rust. 26R45 has excellent yield potential and test weight. 26R45 has very good straw lodging resistance. 26R45 has shown adaptation to the southern soft wheat growing regions. **US PLANT VARIETY PROTECTION APPLIED FOR.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Scotland | DUPONT PIONEER (Rick Love),<br>21781 Skyway Church Road, Maxton 28364 | 910-844-3648<br>910-844-5548 |

**26R53** was developed by Pioneer Hi-Bred International and is an awned soft red, winter wheat. It has excellent resistance to stripe rust and straw lodging. Also has very good leaf rust resistance. It has high yield potential and high test weight. Well adapted to southern soft wheat growing regions. Average plant height is 33 inches. **US PROTECTED VARIETY**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Scotland | DUPONT PIONEER (Rick Love)<br>21781 Skyway Church Road, Maxton 28364 | 910-844-3648<br>910-844-5548 |

**26R59** is a soft red winter wheat developed by DuPont Pioneer. Has shown very good resistance to stripe rust and powdery mildew as well as better than average resistance to leaf rust and fungal leaf blights. It has shown best adaptation to the southern US soft wheat regions. Juvenile plant growth is semi-erect. At the boot stage it has green leaf color, wax is present and flag leaf is erect and twisted. Spike is mid dense and tapering with an apically awnletted glume. **US VARIETY PROTECTION APPLIED FOR.**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Pitt     | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |
| Scotland | DUPONT PIONEER (Rick Love)<br>21781 Skyway Church Road, Maxton 28364         | 910-844-3648<br>910-844-5548 |

**APPALACHIAN WHITE** is a hard white winter wheat developed by USDA. It is awned, semi dwarf, with white chaff. It heads on the average 115 days after January 1. It has good stalk strength, good winter hardiness. It averages 35 inches in height. It has moderate resistance to yellow dwarf virus, powdery mildew, Fusarium head blight, *Stagonospora nodorum* head blight, and leaf rust. It has good Hessian fly resistance but is resistant to stripe rust. It has moderate susceptibility to stem rust.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**BALDWIN** is a variety of common wheat, developed by University of Georgia Research Foundation, Inc. It is a medium-late maturing, awned soft red winter wheat and medium in height with excellent test weight. It has resistance to leaf rust, stripe rust, powdery mildew, and *Septoria nodorum* blotch. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | CROP PRODUCTION SERVICES (David Brickhouse)<br>319 J F Edwards Dr., Geneseo, IL 61254 | 252-796-1341<br>252-796-0752 |

**CAROLINA WHITE** is an awnletted soft white winter wheat bred to meet the needs of the Carolina Ground organic flour mill in Asheville, North Carolina. Carolina White is adapted to Arkansas, Georgia, Kentucky, Maryland, Tennessee, and the Carolinas. Carolina White provides high grain yield and test weight combined with resistance to leaf rust and moderate resistance to powdery mildew. It is moderately tolerant to Barley Yellow Dwarf Virus (BYDV), moderately resistant to Fusarium Head Blight (FHB), but susceptible to Biotypes B, C, D, O, and L of Hessian fly. **Carolina-White may be licensed through North Carolina State University and can only be produced as a class of Foundation or Certified seed.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**COKER 9553** is a medium maturity wheat variety released by AgriPro. Plant height is medium with flag leaf that is erect and twisted. Head shape is strap, mid-dense and awned. It has shown moderate-to-good resistance to field races of stripe rust. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Perquimans | WHITE HAT SEED FARMS (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |

**HILLIARD** is a soft red wheat developed by Virginia Tech. It is a broadly adapted variety with high yield potential, medium stature (34-38 inches), later heading date, and excellent straw strength. Plant stem and spike color of Hilliard are green, and its spikes are tapering and awned. Hilliard is resistant to powdery mildew, Barley and Cereal Yellow Dwarf Viruses and moderately resistant to leaf rust, leaf blotch caused by *Septoria tritici* and *Stagnospora nodorum*, and glume blotch caused by *S. nodorum*. Hilliard is resistant to Hessian fly biotypes B, C, and D, but susceptible to biotype O and L. **US VARIETY PROTECTION APPLIED FOR.**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944                | 252-264-3326<br>252-264-2234 |
| Perquimans | SPEAR, JONATHAN<br>597 Deep Creek Rd. Hertford 27944                              | 252-312-4755                 |
| Rockingham | DOGWOOD - STRADER, ALBERT<br>221 June Rd, Reidsville 27320                        | 336-349-4215                 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC. (David Brickhouse), 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |
| Wake       | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597  | 919-269-5592<br>919-269-5593 |

**LCS PANTHER** – is an apically awnleted soft red winter wheat variety developed by Limagrain Cereal Seeds. LCS Panther has a semi-erect juvenile growth habit, green leaf color with an erect, twisted, wax absent flag leaf at boot. Anthocyanin is absent with hollow stems and plant height averages 81 cm. The plant maturity is medium with an oblong, mid dense, erect head at maturity. LCS Panther is adapted to all of North Carolina and the Western two-thirds of South Carolina. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Pitt   | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |

**NC09-20986** is a soft red winter wheat developed by North Carolina State University. NC09-20986 exhibits green plant color, erect, not twisted, no-wax flag leaves, yellow anther color, mid-dense heads, no anthocyanin, and tan glumes. The plants average 35-36 inches and heads are awned that emerge 6 days earlier than ‘Shirley’. It has good grain yield and excellent test weight combined with resistance to powdery mildew, stripe rust, soil-borne virus and moderate resistance to Fusarium head blight and leaf rust. It is resistant to Biotypes B, C, D, O, and L of Hessian fly (biotype L is the predominant biotype in the Southeastern US). An **exclusive license by NCSU Agricultural Research Services will be required**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**NU-EAST** is a hard red winter wheat developed by USDA. It is awned, semi-dwarf, with brown chaff. It heads on the average 109 days after January 1. It has good stalk strength, good winter hardiness. It averages 35 inches in height. It has moderate resistance to stem rust, yellow dwarf virus, powdery mildew, Fusarium head blight, *Stagonospora nodorum* head blight, and Hessian fly. It has good leaf rust resistance but is susceptible to stripe rust.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**OAKES** is a soft red winter wheat developed by AgriPro Coker. It is a medium-height wheat with medium maturity. Its head shape is tapering and apically awnletted. It is moderately resistant to stripe rust, leaf rust, wheat spindle streak virus, soil-borne mosaic virus, and *Septoria tritici*. It is susceptible to powdery mildew and Hessian fly. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY       | PRODUCER  | TELEPHONE & FAX #            |
|--------------|---|------------------------------|
| Beaufort     | GERARD SEED COMPANY (Walt Gerard)<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Perquimans   | WHITE HAT SEED FARMS (Burt Eure)<br>102 White Hat Road, Hertford 27944                  | 252-264-2427<br>252-264-3218 |
| Stanly       | DOGWOOD FARMS (Dwight Lowder)<br>25318 Austin Road, Albemarle 28001                     | 704-982-8148<br>704-982-8149 |
| Tyrrell      | CHERRY FARMS SEED COMPANY, INC. (David Brickhouse), 11500 Hwy. 94, Columbia 27925       | 252-796-1341<br>252-796-0752 |
| Wayne        | CASHWELL & JONES (Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365                     | 919-658-6540<br>919-658-0560 |
| Out of State | SYGENTA SEEDS, INC.<br>806 2 <sup>nd</sup> St., Berthoud, Colorado 80513                | 970-532-3721<br>970-532-2035 |

**ROANE** is a soft red winter wheat released by the Virginia Agricultural Research Station. It is a full season, high yielding, awnletted variety with high-test weight. It is shorter than Jackson and is resistant to the prevalent field populations of powdery mildew, has intermediate resistance to soil-borne mosaic, wheat spindle streak virus and leaf and glume blotch. It has resistance to some of the races of leaf rust, but has no resistance to stem rust. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed. No Registered Class.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Rowan  | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125                | 704-278-9531<br>704-278-2528 |
| Wake   | NC FOUNDATION SEED PRODUCERS (Daryl Bowman), 8220 Riley Hill Road, Zebulon 27597 | 919-269-5592<br>919-269-5593 |

**SAVOY** is a high grain yielding, medium maturing, apically awnletted, excellent test weight, medium height line. Its maturity averages about 5 days earlier than AGS 2035. Juvenile plant growth is erect. At the boot stage, it is green plant color with no waxy stems and flag leaves are erect and non-twisted. It has good resistance to leaf rust, stripe rust, powdery mildew and wheat soil-borne mosaic virus resistance. It also has good Hessian fly resistance to current predominate biotypes in Georgia. **US PROTECTED VARIETY.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | CROP PRODUCTION SERVICES (David Brickhouse)<br>319 J F Edwards Dr., Geneseo, IL 61254 | 252-796-1341<br>252-796-0752 |

**SH7200** – is a soft red winter wheat cultivar released Dr. Carl Griffey from the Virginia Tech small grains breeding program. It is broadly adapted, high yielding, early heading, medium height, awned, white glumes, and straw without anthocyanin. SH7200 is resistant to powdery mildew, speckled leaf blotch, leaf rust (except race TCRKG), stripe rust (adult plant only: PSTv-14 and PSTv-40), barley yellow dwarf virus, and Hessian fly (Biotypes B, C, D, L, and O). It is moderately resistant to Glume Blotch but moderately susceptible to wheat soil borne mosaic virus. **Exclusive license has been granted to Meherrin Agricultural and Chemical Company.**

| COUNTY | PRODUCER   | TELEPHONE & FAX # |
|--------|--|-------------------|
| Wake   | MEHERRIN (Chad Young)<br>101 Petfinder Lane, Raleigh 27609 | 252-796-1264      |

**SHIRLEY** is a broadly adapted, high yielding, short stature, full-season soft red winter wheat marketed by DynaGro. It has resistance to powdery mildew, leaf rust, stem rust, barley yellow dwarf virus, wheat spindle streak mosaic virus, *Septoria tritici* leaf blotch, *Stagnospora nodorum* leaf blotch, glume blotch, and Fusarium head blight. It has resistance to biotype C of Hessian fly. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | CROP PRODUCTION SERVICES (David Brickhouse)<br>319 J F Edwards Dr., Geneseo, IL 61254 | 252-796-1341<br>252-796-0752 |

**SOUTHERN HARVEST 5550** is a high grain yielding, medium maturing, awnless, excellent test weight, medium height line. It has good Hessian fly resistance. Its maturity averages about 2 days later than AGS 2035. Juvenile plant growth is erect. At the boot stage, it is blue-green plant color with waxy stems and flag leaves are erect and twisted. Southern Harvest 5550 has good resistance to leaf rust, stripe rust, powdery mildew and wheat soil-borne mosaic virus resistance. Southern Harvest 5550 has good Hessian fly resistance to current predominately biotypes in Georgia. **Exclusive license has been granted to Meherrin Agricultural and Chemical Company. US PLANT PATENT**

| COUNTY | PRODUCER   | TELEPHONE & FAX # |
|--------|--|-------------------|
| Wake   | MEHERRIN (Chad Young)<br>101 Petfinder Lane, Raleigh 27609 | 252-796-1264      |

**SY 9978** is a white-chaffed soft red winter wheat bred and developed by Syngenta Seeds, Inc. It is a medium maturing, medium tall semi-dwarf with good test weight patterns. It has good resistance to powdery mildew, Hessian fly and stripe rust. SY 9978 has shown moderate resistant to moderate susceptibility to leaf rust and *Septoria tritici*. SY 9978 has a juvenile growth habit that is semi-erect. Plant color at boot stage is blue green. Flag leaf at boot stage is erect and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering, mid-dense and awned. Chaff color is white in color. **US PROTECTED VARIETY and can be sold only as a Class of Certified Seed.**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Perquimans | WHITE HAT SEED FARMS (Burt Eure)<br>102 White Hat Road, Hertford 27944           | 252-264-2427<br>252-264-3218 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC. (David Brickhouse) 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |

**SY HARRISON** is a soft red, winter wheat. It is a medium-late heading variety that is awned with average height. It is resistant to *Septoria* (leaf and glume blotch). It has moderate resistance/moderate susceptible to powdery mildew and leaf rust. **US PROTECTED VARIETY.**

| COUNTY   | PRODUCER  | TELEPHONE & FAX #            |
|----------|---|------------------------------|
| Beaufort | GERARD SEED COMPANY (Walt Gerard)<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |

**SY MISKIN** is a tall, soft red winter wheat bred and developed by Syngenta Seeds, Inc. It is medium maturity with a heading date almost 4 and one-half days later than "Oakes". SY Miskin has shown broad adaptation across the major wheat growing areas of southeast Missouri, eastern Arkansas, western Tennessee and Kentucky, the 'Delta' region of Mississippi, northern Louisiana, eastern North Carolina, and northeastern South Carolina. Juvenile growth habit of SY Miskin is semi-erect. Plant color at boot stage is green. Anther color is yellow. Auricle color is white and anthocyanin is absent. Flag leaf at boot stage is recurved, twisted, and wax is present. Head shape is tapering and awned. Glumes are medium in length. Glume shoulder shape is oblique with an acuminate beak. Chaff color is white at maturity. Seed shape is ovate and red in color with the brush hairs on the seed medium in length. Seed cheeks are rounded. **US VARIETY PROTECTION APPLIED FOR**

| COUNTY       | PRODUCER  | TELEPHONE & FAX #            |
|--------------|---|------------------------------|
| Out of State | SYGENTA SEEDS, INC. (Rick Novak)<br>806 2 <sup>nd</sup> St., Berthoud, Colorado 80513 | 970-532-3721<br>970-532-2035 |

**SY VIPER** is a medium to medium-tall height, semi-dwarf variety bred by Syngenta Seeds, Inc. It is medium to medium-early in maturity with white chaff and heading date almost three and one-half days earlier than “Oakes”. SY Viper has shown broad adaptation with very good yield performance and test weight across the major wheat growing areas. Juvenile growth habit of SY Viper is semi-erect. Plant color at boot stage is blue green. Anther color is yellow. Auricle anthocyanin is absent. Flag leaf at boot stage is erect and twisted and wax is present. Head shape is tapering and awnletted. Glumes are mid-long in length. Glume shoulder shape is oblique with an obtuse beak. Chaff color is white at maturity. Seed shape is ovate. Brush hairs on the seed are mid-long in length and occupy a medium area of the seed tip. Seed cheeks are rounded. It has shown moderate resistance to the current races of powdery mildew and moderate susceptibility to the current races of leaf rust in these areas. Milling and baking characteristics are equivalent to those of soft wheat variety, Jamestown, and SY Viper is intended for grain production. **US PROTECTED VARIETY and seed can only be sold as a Class of Certified Seed.**

| COUNTY       | PRODUCER   | TELEPHONE & FAX #            |
|--------------|--|------------------------------|
| Beaufort     | GERARD SEED COMPANY (Walt Gerard),<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Perquimans   | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944                       | 252-264-3326<br>252-264-2234 |
| Perquimans   | WHITE HAT SEED FARMS (Burt Eure)<br>102 White Hat Road, Hertford 27944                   | 252-264-2427<br>252-264-3218 |
| Randolph     | YORK & SON, EARL (Earl York, Jr.)<br>3185 Ramseur-Julian Road, Liberty 27298             | 336-622-2480<br>336-622-2412 |
| Stanly       | DOGWOOD FARMS (Dwight Lowder)<br>25318 Austin Road, Albemarle 28001                      | 704-982-8148<br>704-982-8149 |
| Tyrrell      | CHERRY FARMS SEED COMPANY, INC. (David<br>Brickhouse) 11500 Hwy. 94, Columbia 27925      | 252-796-1341<br>252-796-0752 |
| Wayne        | CASHWELL & JONES (Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365                      | 919-658-6540<br>919-658-0560 |
| Out of State | SYGENTA SEEDS, INC. (Rick Novak)<br>806 2 <sup>nd</sup> St., Berthoud, Colorado 80513    | 970-532-3721<br>970-532-2035 |

## QUALITY ASSURANCE

The Quality Assurance Program (QA<sup>®</sup>) is a third-party field inspection program that ensures varietal purity and other requested varietal characteristics. Services offered with this program include recordkeeping, field inspection, seed sampling, lab inspection, and labeling. Seed producers utilize the entire system labeling their seed with the Quality Assurance tag or logo. For more information regarding specific products produced using the QA<sup>®</sup> Program, please contact the participating company. The following small grain varieties were field inspected:

**AP 1871E** is a medium height, medium maturing, awned soft red winter wheat. AP 1871E has excellent winter hardiness, standability, and test weights. This variety has good resistance to barley yellow dwarf and stripe rust. It has moderate resistance to stem rust and *Septoria* leaf blotch. It has resistance to Hessian fly biotypes B, D, L, and O. It is Susceptible to Hessian fly biotype C. It is adapted well to the eastern wheat growing region. **Licensed to Harvey Fertilizer and Gas Co. and may not be propagated or sold without their permission.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wayne  | CASHWELL & JONES(Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365 | 919-658-6540<br>919-658-0560 |

**AP 1933** is a soft red winter wheat that is medium early maturity group, medium height, with an awnless head type. Has good straw strength and test weight. Good resistance to powdery mildew and barley yellow dwarf virus. **Licensed to Harvey Fertilizer and Gas Co. and may not be propagated or sold without their permission.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wayne  | CASHWELL & JONES(Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365 | 919-658-6540<br>919-658-0560 |

**AP 1947** is a soft red winter wheat that is medium maturity, medium-short height, and awnless head. Good straw strength, winter hardiness, and test weight. Good resistance to stem and leaf rust, powdery mildew, *Septoria* glume blotch, barley yellow dwarf virus. **Licensed to Harvey Fertilizer and Gas Co. and may not be propagated or sold without their permission.**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wayne  | CASHWELL & JONES(Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365 | 919-658-6540<br>919-658-0560 |

**AP 1950** is a medium- tall height, medium-early maturing, awned soft red winter wheat. It has good winter hardiness, and standability. It has excellent test weights. This variety has good resistance to leaf rust, powdery mildew, *Septoria* glume blotch, and stem rust. **AP 1950 is licensed to Harvey Fertilizer and Gas Co. and may not be propagated or sold without their permission.**  
**US PROTECTED VARIETY is pending**

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Wayne  | CASHWELL & JONES(Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365 | 919-658-6540<br>919-658-0560 |

**ARCIA** is a high-yielding, early to midseason maturing cultivar with excellent test weight and kernel size for a triticale. The juvenile growth habit is prostrate. The leaves are glabrous and semi-waxy with a light tan color at maturity. The spike is awned, dense, and fusiform with good fertility. The glumes are light tan to yellow with pubescence along the edges only. There is no detectable shattering at maturity. It shows good winter hardiness and standability. This variety is **licensed by NCSU Agricultural Research Services**

| COUNTY  | PRODUCER  | TELEPHONE & FAX #            |
|---------|---|------------------------------|
| Tyrrell | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |

**GERARD 557 (L11541)** is an awnless soft red winter wheat variety developed by Limagrain Cereal Seeds. It has a plant height that averages 34 inches with a medium-full maturity. It is resistant to powdery mildew, strip rust, leaf rust, and stem rust. It is moderately resistant to soil-borne mosaic virus and Fusarium head blight (scab). It is well adapted for the Mid-Atlantic Region as well as for the Southern and Eastern wheat growing Regions. May contain up to five per 1000 (.5%) taller plants and up to two per 1000 (0.2%) awned plants. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Beaufort | GERARD SEED COMPANY (Walt Gerard),<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |

**L11610** is an awnless soft red winter wheat variety developed by Limagrain Cereal Seeds. It has a plant height that averages 37.9 inches with a medium-early maturity. It has a semi-erect juvenile growth habit, blue-green plant color with an erect, twisted, wax present flag leaf at boot. May contain up to five per 1000 (.5%) taller plants and up to two per 1000 (0.2%) awned plants. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | LIMAGRAIN CERAL SEEDS (Brad Erker),<br>2040 SE Frontage Road Fort Collins CO 80526 | 907-498-2200      |

**L11621** is an awned soft red winter wheat variety developed by Limagrain Cereal Seeds. It has a plant height that averages 38.6 inches with a medium-early maturity. It has a semi-erect juvenile growth habit, blue-green plant color with an erect, twisted, wax present flag leaf at boot. May contain up to five per 1000 (.5%) taller plants and up to two per 1000 (0.2%) awned plants. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | LIMAGRAIN CERAL SEEDS (Brad Erker),<br>2040 SE Frontage Road Fort Collins CO 80526 | 907-498-2200      |

**LCS 3204** is an awnless, early maturing, short stature soft red winter wheat that is photoperiod insensitive and carries vrn-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. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Beaufort   | GERARD SEED COMPANY (Walt Gerard),<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944                    | 252-264-2427<br>252-264-3218 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925      | 252-796-1341<br>252-796-0752 |

**SOUTHERN HARVEST 4300** is a medium height, medium-early maturing, awned soft red winter wheat with good scab and *Septoria* resistance. SH 4300 is moderately resistant to lodging and has high yield potential and test weight. **SH 4300 is licensed to Meherrin Agricultural and Chemical Company.**

| COUNTY | PRODUCER   | TELEPHONE & FAX # |
|--------|--|-------------------|
| Wake   | MEHERRIN (Chad Young)<br>101 Petfinder Lane, Raleigh 27609 | 252-796-1264      |

**SOUTHERN HARVEST 4400** is a medium height, medium-late maturing, awnless soft red winter wheat with excellent resistance to Hessian fly. SH 4400 is moderately resistant to lodging and has high yield potential and test weight. **SH 4400 is licensed to Meherrin Agricultural and Chemical Company.**

| COUNTY | PRODUCER   | TELEPHONE & FAX # |
|--------|--|-------------------|
| Wake   | MEHERRIN (Chad Young)<br>101 Petfinder Lane, Raleigh 27609 | 252-796-1264      |

**USG 3120** is a medium-early maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium tall plant with very good resistance to leaf blotch, stripe rust, leaf rust, and powdery mildew. It also has good resistances to soil-borne mosaic virus. It has excellent winter hardiness and standability. This variety has a wide area of adaptability with strong test weights per bushel. **US PROTECTED VARIETY-US PLANT PATENT**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |
| Rowan      | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125     | 704-278-9531<br>704-278-2528 |



**USG 3197** is a medium early maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium plant with great resistance to scab. It also has good resistances to powdery mildew, leaf rust, glume blotch, barley yellow dwarf virus, and leaf blotch. It has excellent test weights, emergence, winter hardiness, and standability. This variety is widely adapted in the wheat growing region. **US PLANT PATENT**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944                  | 252-264-3326<br>252-264-2234 |
| Rowan      | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125                   | 704-278-9531<br>704-278-2528 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |

**USG 3201** is a medium maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium tall plant with very good resistance to leaf blotch, stripe rust, scab, and powdery mildew. It also has good resistances to leaf rust. It has excellent winter hardiness and standability. This variety has a wide area of adaptability with strong test weights per bushel. **US PLANT PATENT**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944 | 252-264-3326<br>252-264-2234 |
| Rowan      | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125  | 704-278-9531<br>704-278-2528 |

**USG 3404** is a medium maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium tall plant with great resistance to leaf rust, scab, and powdery mildew. It also has good resistances to leaf blotch, stripe rust, stem rust, glume blotch, soil-borne mosaic virus, and barley yellow dwarf virus. It has excellent test weights, winter hardiness and standability. This variety specializes on the east coast wheat growing region but is adapt to the mid-south as well. The variety shows excellent stress tolerance. **US PLANT PATENT.**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Beaufort   | GERARD SEED COMPANY (Walt Gerard),<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944                       | 252-264-3326<br>252-264-2234 |
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944                    | 252-264-2427<br>252-264-3218 |
| Rowan      | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125                        | 704-278-9531<br>704-278-2528 |
| Stanly     | DOGWOOD FARMS (Dwight Lowder)<br>25318 Austin Road, Albemarle 28001                      | 704-982-8148<br>704-982-8149 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925      | 252-796-1341<br>252-796-0752 |

**USG 3458** is an early maturity soft red winter wheat released by UniSouth Genetics. It is an awnless, medium short plant with excellent resistance to strip rust and Hessian fly. It has good resistance to leaf rust. It has excellent test weights, winter hardiness and standability. This variety specializes on the east coast wheat growing region and is adapt to the mid-Atlantic wheat region as well. **US PLANT PATENT**

| COUNTY     | PRODUCER   | TELEPHONE & FAX #            |
|------------|--|------------------------------|
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944 | 252-264-3326<br>252-264-2234 |

**USG 3523** is a medium maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium tall plant with good resistance to leaf blotch, scab, stripe rust, leaf rust, soil-borne mosaic virus, powdery mildew, and glume blotch. It has excellent winter hardiness and good standability. This variety has a wide area of adaptability with the exception of the Deep South region. It has very good test weights per bushel and is a great variety for double cropping. **US PLANT PATENT.**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944 | 252-264-2427<br>252-264-3218 |

**USG 3536** is a medium early maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium tall plant with great resistance to stripe rust, and scab. It also has good resistances to powdery mildew, leaf rust, glume blotch, soil-borne mosaic virus, barley yellow dwarf virus, and Hessian fly bio type L. It has excellent test weights, winter hardiness and standability. This variety is widely adapted in the wheat growing region. **US PLANT PATENT**

| COUNTY   | PRODUCER   | TELEPHONE & FAX #            |
|----------|--|------------------------------|
| Beaufort | GERARD SEED COMPANY (Walt Gerard),<br>1041 East 4 <sup>th</sup> Street, Washington 27889 | 252-946-8123<br>252-975-0964 |
| Tyrrell  | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925      | 252-796-1341<br>252-796-0752 |
| Wayne    | CASHWELL & JONES(Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365                       | 919-658-6540<br>919-658-0560 |

**USG 3895** is a medium maturity soft red winter wheat released by UniSouth Genetics. It is an awned, medium short plant with excellent resistance to strip rust. It has good resistance to leaf rust, and glume blotch. It has excellent winter hardiness and good standability. This variety adapted to the east coast region. **US PLANT PATENT.**

| COUNTY     | PRODUCER  | TELEPHONE & FAX #            |
|------------|---|------------------------------|
| Perquimans | EURE SEED FARMS (AO Roberts)<br>1565 New Hope Road, Hertford 27944                  | 252-264-3326<br>252-264-2234 |
| Perquimans | WHITE HAT SEED FARM (Burt Eure)<br>102 White Hat Road, Hertford 27944               | 252-264-2427<br>252-264-3218 |
| Rowan      | MOORE FARM, INC. (Johnny Moore)<br>2225 Hall Road, Mt. Ulla 28125                   | 704-278-9531<br>704-278-2528 |
| Tyrrell    | CHERRY FARMS SEED COMPANY, INC.<br>(David Brickhouse) 11500 Hwy. 94, Columbia 27925 | 252-796-1341<br>252-796-0752 |
| Wayne      | CASHWELL & JONES (Jimmy Jones)<br>509 NC 55 West, Mount Olive 28365                 | 919-658-6540<br>919-658-0560 |

**SH 7510 (L11550)** is an awned soft red winter wheat variety developed by Limagrain Cereal Seeds. It has a plant height that averages 36 inches with a medium-full maturity. **Lima Grains Licensed variety, unauthorized propagation prohibited.**

| COUNTY | PRODUCER   | TELEPHONE & FAX # |
|--------|--|-------------------|
| Wake   | MEHERRIN (Chad Young)<br>101 Petfinder Lane, Raleigh 27609 | 252-796-1264      |

## SERVICE

North Carolina Crop Improvement Association's service program is a third-party field inspection program that ensures varietal purity and varietal characteristics. Services offered include recordkeeping, field inspection, seed sampling, lab inspection, and labeling. Seed producers customize this program to meet their individual needs by deciding to participate in some or all of these services; some producers use only the field inspection service. For more information regarding specific products produced using this Service Program, please contact the participating company. The following small grain varieties were field inspected:

**CROPLAN SRW 520** is a very early maturity soft red winter wheat that has a combination of high yield, good test weight and good disease resistance. It is bred from "southern" germplasm and is best adapted to wheat production areas of the mid-south, delta, east coast and southeast. It is a medium height, early heading, awnleted, soft red winter wheat with waxy bloom and without anthocyanin on the stems. Plant color at booting is green with leaves that are not twisted and recurved. Anthers are yellow and spikes are tapering and mid-dense. The glumes are long and wide with square shoulders and acute beaks and are yellow at maturity. Red kernels are ovate with angular cheeks and a long, collared brush with a mid-deep, mid-narrow crease. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 8340** is an early-medium maturity soft red winter wheat that combines high yield, strong test weights and strong straw with medium height. It has excellent winter hardiness and a yellow green plant color. The head is mid-dense, inclined, strap and awned and a recurved and twisted flag leaf. It has a very good resistance to powdery mildew, leaf rust, stripe rust, soil-borne mosaic virus, barley yellow dwarf virus, and *Septoria nodorum*. It also has a good resistance to *Septoria tritici* and wheat spindle streak mosaic virus. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 8415** is a medium maturity soft red winter wheat that combines high yield, strong test weights, and good standability with medium height. It has excellent winter hardiness and is resistance to Hessian fly biotypes B, C, D, O, and L. It has excellent resistance to powdery mildew and good resistances to leaf rust, soil-borne mosaic, and *Stagonospora nodorum* glume blotch. It is yellow green at booting with erect, twisted, waxy flag leaves. Stems are hollow without hairs, waxy bloom and anthocyanin. Anthers are yellow. Apically awnleted spikes are tapering, inclined and mid-dense. White glumes are short and wide with narrow, acute beaks and narrow, square shoulders. Kernels are ovate with rounded cheeks, a mid-wide, shallow crease and a medium, not collared brush. It has produced a history of strong performance across a wide geography in the eastern and southeastern US. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 8530** is an early-medium season maturity, awned (bearded) soft red winter wheat with high yield, strong test weight and standability with medium height. It has excellent winter hardiness and is resistance to Hessian fly biotypes B, It has excellent resistance to powdery mildew and good resistances to leaf rust, stem rust, and *Stagonospora nodorum* glume blotch. It is yellow green at booting with recurved, twisted, waxy flag leaves. Stems are hollow with hairs, waxy bloom and anthocyanin not present. Anthers are yellow. Heads are awned, strap, recurved, and dense. Tan glumes are medium with narrow, acuminate beaks and narrow, wanting shoulders. Kernels are ovate with rounded cheeks, a medium crease and a long, not collared brush. It is well adapted to the northern soft wheat production areas and avoid the extreme south areas where vernalization can be a problem. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 8550** is a medium-tall height, medium-late maturity, awned soft red winter wheat with good standability and winter hardiness. It has excellent resistance to Fusarium head blight (scab) and shows good resistances to leaf rust, stripe rust, soil-borne mosaic, and *Septoria tritici*. It also has resistance to biotype L Hessian Fly. It has a green color at booting and recurved, twisted, waxy flag leaves. Hollow stems have a waxy bloom without anthocyanin. Strap heads are lax and inclined with white glumes. Glumes are medium long and wide with medium wide, rounded shoulders and medium, acuminate beaks. Seed is ovate with rounded cheeks and a medium wide, medium deep crease and a short brush with no collar. It is well adapted to the northern soft wheat production areas and avoid the extreme south areas where vernalization can be a problem. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 9410** is an early-medium season maturity, awned soft red winter wheat with high yield, good test weight and good standability with in a short-medium height. It has good winter hardiness and is resistance to most Hessian fly presents in the southeast US. It has excellent resistance to strip rust and has good resistance to powdery mildew, leaf rust, soil-borne mosaic, and *Stagonospora nodorum* glume blotch. It is green at booting with erect, twisted, waxy flag leaves. Stems are hollow with hairs, waxy bloom and anthocyanin not present. Anthers are purple. The heads are awned, tapering, inclined and mid-dense. Tan glumes are medium in length with medium, acuminate beaks and narrow, oblique shoulders. Kernels are ovate with rounded cheeks, a shallow crease and a medium, not collared brush. It has produced a history of strong performance across a wide geography in the eastern and southeastern US. Late planting should be avoided in the Deep South. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**CROPLAN SRW 9415** is a soft red winter wheat developed by DuPont Pioneer. Juvenile plant growth is semi erect; plant color at boot is green; flag leaf at boot is erect, twisted, with wax present. Awned, mid-dense, and tapering head with inclined curvature. Medium length tanned glumes. Resistant to stripe rust, soil-borne mosaic virus, and Hessian fly bio-type L. **US PROTECTED VARIETY**

| COUNTY       | PRODUCER   | TELEPHONE & FAX # |
|--------------|--|-------------------|
| Out of State | NORTHERN STAR (Jason Hinton, Zebulon)<br>2075 Main St. Lafayette, IN 47909 | 804-291-6785      |

**DYNAGRO 9552** is a soft red winter wheat with medium maturity, a medium plant height, excellent straw strength, with very good test weight. Awned head type. Good resistance to Hessian fly and stripe rust. Excellent tillering ability allows for 15'' planting rows.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Pitt   | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |

**DYNAGRO 9701** is a soft red winter wheat variety produced and marketed by Dyna-Gro Seed. It has an awned head type with a medium- early maturity. The plant has a medium-tall plant height, excellent straw strength, winter hardiness, and very good test weight. It has excellent resistance to Hessian fly, leaf rust, septoria leaf blotch, strip rust, and fusarium head scab. It has good resistance to stagonospora glume blotch and powdery mildew. It is widely adapted to the wheat growing region.

| COUNTY | PRODUCER   | TELEPHONE & FAX #            |
|--------|--|------------------------------|
| Pitt   | DAVENPORT & SON, JP (Lawrence Davenport)<br>5961 Hwy. 264E, Greenville 27834 | 252-752-6930<br>252-757-1160 |

**2017 NCCIA MEMBERS**  
**Name, Address, Telephone, and Fax**

|  |                   |
|--|-------------------|
| AGGROW TECH LLC (Mike Fulghum) .....                       | 478-494-8179      |
| 300 North Greene Street, Suite 2185, Greensboro NC 27401   |                   |
| AMERICAN TURFGRASS CORPORATION (Chris Lilley).....         | 252-797-4012      |
| 14593 Hwy. 94N, Creswell 27928 .....                       | FAX: 252-797-4993 |
| BB&K SPRIGGING SERVICE (Bruce Locklear) .....              | 910-844-6003      |
| 32 BB&K Rd., Maxton 28364 .....                            | FAX: 910-844-3005 |
| BIRDSONG PEANUTS (Mark Simmons).....                       | 757-562-3177      |
| 612 Madison Ave., Suffolk, VA 23434 .....                  | FAX: 757-562-3556 |
| BURCH EQUIPMENT LLC (Ted Burch).....                       | 910-267-5781      |
| 685 Burch Rd., Faison 28341.....                           | FAX: 910-267-1133 |
| BUY SOD, INC (Charles Harris) .....                        | 800-688-3950      |
| PO Box 4089, Pinehurst 28374-4089.....                     | FAX: 910-673-2941 |
| CAPE FEAR TURF FARM, INC. (Garrtis "Pistol" McLean).....   | 910-669-2293      |
| 1845 Elwell Ferry Rd, Council, 28434 .....                 | FAX: 910-669-3084 |
| CAROLINA GREEN CORP. (Rodd Price).....                     | 704-753-1707      |
| 10108 Indian Trail-Fairview Road, Indian Trail 28079 ..... | FAX: 704-753-2033 |
| CAROLINA TURF FARMS (Joe Poole) .....                      | 910-875-6141      |
| PO Box 850, Raeford 28376-0850.....                        | FAX: 910-875-6143 |
| CASHWELL & JONES (Jimmy Jones) .....                       | 919-658-6540      |
| 509 NC 55 West, Mt. Olive 28365 .....                      | FAX: 919-658-0560 |
| CAVENAUGH AGRI SALES, INC. (Neil Phillips).....            | 910-892-5043      |
| 5661 Plain View Hwy, Dunn 28334 .....                      | FAX: 910-892-8010 |
| CHERRY FARMS SEED COMPANY, INC. (David Brickhouse).....    | 252-796-1341      |
| 11500 Highway 94, Columbia 27925 .....                     | FAX: 252-796-0752 |
| CIRCLE GROVE SEEDS, INC., (Marian Keech) .....             | 252-943-3141      |
| PO Box 280, Belhaven 27810-0280 .....                      | FAX: 252-943-2940 |
| COX PROCESSING (Tim Nance) .....                           | 910-647-0400      |
| 9749 HWY 701 Bus., Clarkton, 24833                         |                   |
| CROP PRODUCTION SERVICES (David Brickhouse) .....          | 252-796-1341      |
| 319 JF Edwards Dr., Geneseo, IL 61254 .....                | FAX: 252-796-0752 |
| CROSS CREEK SEED (Eddie Baker) .....                       | 877-922-7333      |
| 2000 Vass Rd., Raeford 28376 .....                         | FAX: 910-904-5588 |
| DAVENPORT & SON, J. P. (Lawrence Davenport).....           | 252-752-6930      |
| 5961 Hwy 264 E, Greenville 27834.....                      | FAX: 252-757-1160 |
| DMG TURF, INC. (Clay Gardner).....                         | 919-639-4027      |
| 997 Matthews Hill Pond Rd., Angier 27501 .....             | FAX: 919-639-6312 |
| DOGWOOD FARMS (Dwight Lowder) .....                        | 704-982-8148      |
| 25318 Austin Rd., Albemarle 28001.....                     | FAX: 704-982-8149 |
| DUPLIN SOD FARM (Barry Evans) .....                        | 910-296-1355      |
| 394 East Wards Bridge Road, Kenansville 28349 .....        | FAX: 910-296-0690 |
| DuPONT PIONEER (Rick Love) .....                           | 910-844-3648      |
| 21781 Skyway Church Road, Maxton, NC 28364.....            | FAX: 910-844-5548 |
| EURE SEED FARMS (A. O. Roberts).....                       | 252-264-3326      |
| 1565 New Hope Rd., Hertford 27944 .....                    | FAX: 252-264-2234 |
| FINCH BLUEBERRY NURSERY (Dan Finch) .....                  | 252-235-4662      |
| 5714 Finch Nursery Lane, Bailey 27807                      |                   |
| GARRETT WILDFLOWER SEED FARM (Laura Lee).....              | 919-989-3031      |
| 1591 Cleveland Rd., Smithfield 27577 .....                 | FAX: 919-989-3041 |
| GERARD SEED COMPANY (Walt Gerard) .....                    | 252-946-8123      |
| 1041 East 4 <sup>th</sup> Street, Washington 27889 .....   | FAX: 252-975-0964 |
| GLOVER FARMS, INC, ROBERT & WADE, (Wade Glover).....       | 252-205-1291      |
| 5181 Strickland Road, Bailey 27807                         |                   |
| GODWIN PRODUCE COMPANY (David Godwin) .....                | 910-892-4171      |
| PO Box 163, Dunn 28334-0163.....                           | FAX: 910-892-2232 |
| GOLD LEAF SEED COMPANY (Marion Hawkins) .....              | 800-281-2541      |
| PO Box 458, Hartsville, SC 29551-0458.....                 | FAX: 843-383-2975 |

|   |              |
|---|--------------|
| GOLDEN GROVE, INC. (Lee Swinson) .....                          | 910-293-4209 |
| PO Box 921, Warsaw 28398  |              |
| HAM FARMS & PRODUCE COMPANY (Bobby Ham) .....                   | 252-747-2647 |
| 90 Ham Produce Rd., Snow Hill 28580..... FAX: 252-747-3761      |              |
| H&D FARMS, INC. (Jennifer Daniels).....                         | 910-567-2946 |
| 1220 Howard Rd. Autryville, NC 28318                            |              |
| HARDEN, CHARLES M. ....   | 252-794-3871 |
| 746 Cooper Hill Rd., Windsor 27983 ..... FAX: 252-794-3871      |              |
| HEATH SPRIGGING (Doug Heath).....                               | 252-526-8270 |
| 282 Parker Heath Rd., Pink Hill 28572                           |              |
| HILL FARMS, INC., TULL (Kendall Hill).....                      | 252-523-4406 |
| 2264 Hugo Rd., Kinston 28501 ..... FAX: 252-523-8052            |              |
| JONES, JR., JIMMY D.....  | 252-235-3248 |
| 7094 Honeysuckle Lane, Bailey 27807 ..... FAX: 252-235-0155     |              |
| LEGGETT FARMING PARTNERSHIP (Sue Leggett) .....                 | 252-467-2776 |
| PO Box 367, Nashville 27856 ..... FAX: 252-459-4928             |              |
| LIMAGRAIN CERAL SEEDS .....                                     | 907-498-2200 |
| 2040 SE Frontage Road Fort Collins CO 80526                     |              |
| MACKILWEAN TURF FARMS, INC. (Kenneth McIlwean) .....            | 252-637-9261 |
| 1004 Washington Post Rd., New Bern 28562..... FAX: 252-636-1965 |              |
| MACON TURF FARM (Leary Winslow) .....                           | 252-340-4672 |
| 337 Cedar Stretch Road, Hertford 27944                          |              |
| McGIRT, DAVID .....   | 910-521-1367 |
| 4059 Preston Road, Maxton 28364                                 |              |
| MEHERRIN (Chad Young).....                                      | 252-796-1264 |
| 101 Petfinder Lane, Raleigh 27609                               |              |
| MOORE FARM, INC., (Johnny C. Moore).....                        | 704-278-9531 |
| 2225 Hall Rd., Mt. Ulla 28125 ..... FAX: 704-278-2528           |              |
| NC AG SERVICES, INC. (David Butcher).....                       | 252-943-5531 |
| 4888 Christian School Road, Pantego 27860                       |              |
| NC FOUNDATION SEED PRODUCERS, INC. (Daryl Bowman) .....         | 919-269-5592 |
| 8220 Riley Hill Rd., Zebulon 27597..... FAX: 919-269-5593       |              |
| NEUSE RIVER TURF (Buck Jones).....                              | 252-670-3574 |
| 4406 Done Lee Rd., Arapahoe 28510                               |              |
| NORTHERN STAR (Jason Hinton, Zebulon).....                      | 804-291-6785 |
| 2075 Main St. Lafayette, IN 47909                               |              |
| OAKLAND PLANTATION (Rick Neisler) .....                         | 800-542-5795 |
| 120 Bermuda Dr., Council 28434 ..... FAX: 910-669-2993          |              |
| PERDUE AGRI BUSINESS-SPECIALTY CROPS (Jeff Riddle) .....        | 336-934-8908 |
| 7996 North Point Blvd., Suite 100, Winston-Salem 27106          |              |
| PIEDMONT TURF FARM, INC. (David McCart) .....                   | 828-428-8359 |
| 1890 HW Farm Rd., Maiden 28650-9347 ..... FAX: 828-428-2093     |              |
| PIERCE, DANNY .....   | 919-920-0238 |
| 674 Lassiter Rd., Princeton 27569 ..... FAX: 919-581-8493       |              |
| PROFESSIONAL TURF, INC. (Marc Phillips) .....                   | 910-892-1896 |
| PO Box 1477, Dunn 28335-1477..... FAX: 910-892-1897             |              |
| PROCTOR, WILLIAM .....  | 252-442-5622 |
| 4131 Arlington St., Rocky Mount, 27801                          |              |
| QUALITY TURF, INC. (Al Wooten).....                             | 866-259-3064 |
| PO Box 1548, Burgaw 28425-1548..... FAX: 910-259-3065           |              |
| RAYNOR CERTIFIED TOBACCO (R. J. Raynor).....                    | 252-446-5229 |
| PO Box 2524 Rocky Mount 27802..... FAX: 252-446-2057            |              |
| RICKARD SEEDS, INC., F.W. (Ben Eggett) .....                    | 800-344-0630 |
| PO Box 85116, Richmond, VA 23285 ..... FAX: 859-744-4202        |              |
| ROEBUCK FARMS (Sammy Roebuck).....                              | 252-714-0644 |
| 1755 James Road, Robersonville 27871                            |              |
| SANDHILL TURF, INC. (Mark Harris) .....                         | 800-688-3950 |
| PO Box 819, Candor 27229-0819..... FAX: 910-673-2941            |              |

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|--|-------------------|
| SCOTT FARMS (Sonny Scott) .....                            | 877-284-4030      |
| 7965A Simpson Rd., Lucama 27851 .....                      | FAX: 919-284-4872 |
| SEVERN PEANUT COMPANY, INC. (Dawson Rascoe).....           | 252-585-0838      |
| PO BOX 550, Windsor 27983 .....                            | FAX: 252-585-1718 |
| SOD CAROLINA (Bob Milligan).....                           | 910-540-6524      |
| 5131 Oleander Dr., Wilmington 28403 .....                  | FAX: 910-287-6578 |
| SOUTHERN PEANUT COMPANY (David Cox).....                   | 910-862-2136      |
| PO Box 160, Dublin 28332-0160 .....                        | FAX: 910-862-8076 |
| SPEAR, JONATHAN.....                                       | 252-312-4755      |
| 597 Deep Creek Rd. Hertford 27944                          |                   |
| STRICKLAND FARMS, CLAY .....                               | 252-314-5748      |
| 1216 Macedonia Rd., Spring Hope 27882 .....                | FAX: 252-478-5266 |
| SUPERSOD – Laurinburg (Ben Copeland Jr.) .....             | 478-320-9045      |
| 158 Sod Farm Rd., Fort Valley GA 31030                     |                   |
| SUPERSOD – Robersonville (Jeff Gibbs).....                 | 252-795-5123      |
| 1935 Rogerson Rd, Robersonville 27871                      |                   |
| SYNGENTA SEEDS, INC. (Phil Farmer).....                    | 800-698-8094      |
| 358 Honeycutt Dr., Wilmington 28482.....                   | FAX: 910-452-5498 |
| SYNGENTA SEEDS, INC. ....                                  | 970-532-3721      |
| 806 2 <sup>nd</sup> St., Berthoud, CO 80513 .....          | FAX: 970-532-2035 |
| TRI-STATE TURF (Clark Wooten).....                         | 910-567-2625      |
| PO Box 527, Newton Grove 28366-0527 .....                  | FAX: 910-567-2928 |
| UNITED TURF, INC. (Bud Brown).....                         | 800-421-7649      |
| 120 Leonhauser Lane, Grandy 27939                          |                   |
| VANDEMARK FARMS (Dean Vandemark).....                      | 252-885-0211      |
| 970 West NC 97, Spring Hope 27882.....                     | FAX: 252-437-0228 |
| VA FORK PRODUCE COMPANY (West Small).....                  | 252-482-2165      |
| PO Box 148, Edenton 27932-0148 .....                       | FAX: 252-482-3515 |
| VICK FAMILY FARMS PARTNERSHIP (Jerome Vick).....           | 252-291-8880      |
| 11124 Christian Road, Wilson 27896-8115 .....              | FAX: 252-243-0818 |
| WF PARTNERSHIP (Bartley Warren) .....                      | 910-385-5098      |
| PO Box 223 Newton Grove 28366                              |                   |
| WHITE HAT SEED FARMS, INC. (Burt Eure) .....               | 252-264-2427      |
| 102 White Hat Rd., Hertford 27944.....                     | FAX: 252-264-3218 |
| WILLIAMS & SONS, HERSHEL (Terrell & Johnny Williams) ..... | 910-567-4337      |
| 2866 Maxwell Rd., Autryville 28318 .....                   | FAX: 910-567-2603 |
| YORK & SON, EARL (Sonny York).....                         | 336-622-2480      |
| 3185 Ramseur-Julian Rd., Liberty 27298 .....               | FAX: 336-622-2412 |

## ASSOCIATE MEMBERS

|   |                   |
|---|-------------------|
| AG-SOFT, INC. (Jim Glisson) .....                 | 800-289-5265      |
| 760 Piney Grove Rd., La Grange 28551 .....        | FAX: 919-882-9468 |
| BRODNAX SEED COMPANY (Scott Lambert)              |                   |
| PO Box 97, Brodnax, VA 23920-0097                 |                   |
| LIMAGRAIN CEREAL SEEDS, LLC (Ken McClintock)..... | 309-772-2070      |
| 257 E. Hail St., Bushnell, IL 61422 .....         | FAX: 309-772-2109 |
| MONROE FARM CENTER, INC. (Wayne Rape).....        | 704-764-3404      |
| 4116 Pageland Hwy., Monroe 28112                  |                   |