

Fertile Ground

A Newsletter for Catawba, Cleveland and Lincoln County Farmers

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Kudzu Bug Season is in Full Swing

As all of you know, the kudzu bugs are out in full force. Kudzu bugs have been seen in soybeans throughout the area since June. I have spoken with many of you regarding when to spray, however I know there are still many questions. The biggest question I have been asked is how much damage is the kudzu bug doing to our beans. The answer to that is difficult because this pest is still relatively "new" and damage has been seen from 0-46% yield reduction.

The recommendation for spraying is to spray when you see adults AND 1 NYMPH per sweep. The purpose of this is to kill multiple generations at one time and keep the number of times you have to spray for the kudzu bug. I know many of you may not have a sweep net and it is not possible for me to sweep every field across three counties. I encourage each of you to take time to start on the edge of your soybean field(s) to look for adults and nymphs, if you see them on the edge, then go into the field 50 feet or more and see if they are there too. If you are seeing both adults and a number of nymphs then it is time to spray. I have also encouraged looking for eggs in the top of the canopy, on the underside of the leaves. If you are seeing lots of eggs then try to wait 5-7 days before you spray. The reason behind this is the eggs will hatch within that time period, allowing you to kill an additional generation.



Kudzu Bug Season continued...

Soybeans are beginning to get quite tall, so it is up to you whether you want to drive across them at that point. The kudzu bugs have shown to have a great affect on the number of pods per plant, so it is important to reduce the amount of stress during flowering. As your beans get close or begin to flower please look for the bugs carefully before you decide to spray or not.

As far as what to spray there are a number of products available and each has a range of effectiveness. Below there is a chart showing your options and their effectiveness. Please do not hesitate to call if you have questions.

| Trade Names | Rate | % Control | Active Ingredient |
|-------------|--------------|-----------|--------------------|
| Brigrade | 6.4 oz/acre | 95 | Bifenthrin |
| Bridadier | 5.5 oz/acre | 91 | Bifenthrin |
| Endigo | 4.5 oz/acre | 92 | Lambda-cyhalothrin |
| Karate Zeon | 1.92 oz/acre | 89 | Lambda-cyhalothrin |





Small Grains Meeting

I am still working on a program and trying to secure a space for the small grains meeting this year. It will likely be towards the end of August or first of September. Please watch your mailboxes for additional information.



Upcoming Events

Tuesday, August 7th Corn Variety Field Day

8:00am at 950 Wright Road, Vale, NC Pesticide Credits will be available Biscuits and Refreshments will be served Please RSVP at 704-736-8452

Tuesday, August 7th Pesticide V Training

4:00pm at the Citizens Center—Lincolnton *Only plan to attend if you are in need of 2-hr of V credit by 9/30/2012

August 21, 2012 Poultry Growers Meeting

7:00pm at Lincoln Cultural Center

This is a meeting open to all poultry growers in the area. It will be an opportunity to express ideas, thoughts and suggestions on ways NC Cooperative Extension can provide beneficial programming for you.

Refreshments will be provided. Please call 704-736-8452 to RSVP

Thursday, September 6th

Weed and Insect Identification and Control (Pasture and Field Crops)

4:00-6:00pm 2-hr N, O, D, X credits Catawba Co. Extension Office – Newton, NC

You can RSVP for any of the events online at <u>http://go.ncsu.edu/lincolnfieldcrops</u> or call 704-736-8452

2012 Wheat Variety Performance & Recommendations

Randy Weisz • NC State University Christina Cowger • USDA-ARS

These recommendations are based on tests conducted in North Carolina in the 2010-11 and 2011-12 growing seasons. These include tests by the NC Official Variety Testing Program (OVT)¹, Gaylon Ambrose², Georgia Love³, Andrew Gardner⁴, Randy Weisz⁵, and the Northeast Ag Expo⁶. We collect yield and test weight data at every location, and update heading date and pest resistance information about each variety. Our goal is to keep this information as up-to-date as possible. Our variety rankings are not always the same as those reported in the OVT, because 1) we use additional tests not available to the OVT, 2) we may exclude some locations used in the OVT, and 3) we examine both variety yield and stability of performance across years and regions.

Plant At Least Three Varieties: The "Above-Average Yielding" varieties are good first choices for 2012 (see Table 1). Additionally, the "Average Yielding Varieties" are likely to produce acceptable yields but may not win a yield contest. To help with disease management, make a note of which varieties you plant where.

Avoid Spring Freeze Damage: Early-heading varieties are the most likely to be damaged by spring freezes. Conversely, late-heading varieties are likely to avoid freeze damage. To reduce the risk of yield loss due to freeze damage, plant no more than one early heading variety, and at least one late-heading variety. Late-heading varieties yield best when planted early and should be the first ones planted. Early-heading varieties should be planted on the late side and so should be the last ones drilled in.

Make Variety Resistance Part Of A Disease Management Plan. In the last two years we have had unusually warm winter weather that was ideal for diseases like powdery mildew and leaf rust. Growers need to consider these diseases when they select varieties. Growing varieties rated "MR" or "R" to these diseases (in Table 1) can go a long way toward preventing yield losses. In our variety tests where leaf rust was problematic, and we applied a fungicide for disease control, the highest yielders were often those that had resistance to this disease. If you experience diseases like powdery mildew or leaf rust frequently on your farm, growing varieties with resistance to these diseases is important even if you plan on using a fungicide! Head scab can cause big losses any year in any part of the state, so minimize plantings of varieties rated "S" to scab. Additionally, if a field has ever had symptoms of soilborne wheat mosaic virus or wheat spindle streak mosaic virus, it is very important to always plant varieties rated MR or R for those diseases in that field.

Need More Information On Variety Selection or Disease Management? Check the *Small Grain Production Guide 2011-12*, go to the small grain production website at http://www.smallgrains.ncsu.edu, or call your local county Extension office. Information on variety height can be found at http://www.ncovt.com.

¹ 2011 OVT tests in Beaufort, Rowan, Perquimans, and Lenoir Counties & 2012 OVT tests in Lenoir and Rowan Counties.

² Beaufort County Cooperative Extension 2011 test.

³ Small Grains Extension Associate, Robeson County 2011 & 2012 tests.

⁴ Union County Cooperative Extension, 2011 test.

⁵ Small Grain Specialist NCSU, 2012 Rowan County test.

⁶ The 2011 Northeast Ag Expo test was in Hertford, NC.

Table 1. 2011 & 2012 Wheat Variety Performance

| Wheat Variety Testing Poster Mildow Mildow Mildow Mildow Mindow Mindow <th< th=""><th></th><th rowspan="2">Test Weight²</th><th rowspan="2">Heading Date</th><th colspan="8">Pest Resistance To⁴</th></th<> | | Test Weight ² | Heading Date | Pest Resistance To ⁴ | | | | | | | | |
|--|----------------------------|-----------------------------|-----------------|---------------------------------|---------------|------------------|----------------|-----------|------------------------------|----------------------------|--------------|----------------|
| CASE 2025 ave ave tabox MS MS MS MS MR MS MR MS MR MS MS MS MS MS MS MS | Wheat Variety ¹ | | | Powdery Mildew | Leaf Rust | SNB ³ | Hessian Fly | BYDV | Soilborne Wheat Mosaic | Wheat Spindle Streak | Head Scab | Stripe Rust |
| AGS 2025 ave early MS R MS good MR | | | | Abov | e Average Yi | elding (88 | to 94 Bushels | per Acre) | | | | |
| DG 9012 ave late MS MR S MR MR MR P DG Shrifey - late MR MR R MR R MR S S PThShr M258 ave late MR R MS MR MR R R S S P28R20 + late MR MS MR MR MR MR S MR S S S3 8340 + late MR MS MR S MR | AGS 2035 | ave | early | MS | R | MS | good | MR | MR | MS | MS | MR |
| DS Shriley late R MR S fair MR | DG 9012 | ave | late | MS | MR | S | | MR | | | MR | |
| Fhrisin VA258 ave medium MR R MR MR MR MR R R S P26R20 + iate MR R MS good-fair S MR R R S S P26R20 + iate MR MR MR MR MR MR MR S S S S3 8340 + iate MR MR MS MR | DG Shirley | - | late | R | MR | S | fair | MR | MR | R | MS | S |
| NC Cape Faar + early R MR | FthrStn VA258 | ave | medium | MR | R | MR | | S | | | S | |
| P28R20 + late MR MS MS MR S S SS B340 + late MR MS MR MS MR MR MS Terral TV8841 ave late MS MS MR | NC Cape Fear | + | early | R | MS | MR | fair | MR | MR | R | MS | S |
| Prog 200lateMSMSMRMRMSMRMSMRMSMRMSMRMSMR< | P 26R20 | + | late | MR | R | MS | good-fair | S | | | S | |
| SS 8340 + late MR MS MR | Prog 870 | - | late | MS | MS | | | MR | | | S | |
| Terral TV8801 ave late MS MS MR MR MR MS S USG 3120 + early MS R MR MR MR MR MS S MR MR MS MR MR <td>SS 8340</td> <td>+</td> <td>late</td> <td>MR</td> <td>MS</td> <td>MR</td> <td></td> <td>MS</td> <td></td> <td></td> <td>MR</td> <td></td> | SS 8340 | + | late | MR | MS | MR | | MS | | | MR | |
| USG 3120 + early MS R MR MR MR MR S DG Dominion ave medium R S MR fair-poor R MS MR | Terral TV8861 | ave | late | MS | MS | MS | | MR | | | MS | |
| DG Domino ave predium R S MR fair fair MS S MS MR DG Abonino late MS MR MS S MS MR P26R10 late MS MR MS MS MS MS S5 8600 ave late MS MR MR MS MR MS MS Terral TV8484 ave late MS MR R MR R MR R MR R MR R MR | USG 3120 | + | early | MS | R | MR | | MR | | MR | S | |
| DG Dominon ave medium R S MR fair-por K MS MR MR P 28R10 - late MS MR MS MS MS MS MS MS MS SS 8500 ave late MS MR MS MS MS MS Terral TV8353 - late MS MR RR MR MR< | | | | A | bove Averag | e Yielding | But Less Con | sistent | | | | |
| Oakes + medium MS MS MR fair MS S MS MR S2 8500 ave late MS MR MS MR MS MS S8 8500 ave late MS MR MR MR MS MS Terral TV8484 ave late MS MR MR MR MR MS USG 3550 - medium MR M | DG Dominion | ave | medium | R | S | MR | fair-poor | | R | MS | MR | MR |
| P28R10 - late MS MR MS MS MS SS 8500 ave late MS MR MS MR MS USG 3438 - medium MR R MR MR R R R MR MR R R R R R R R R R MR MR R R R MR MR R R MS S R MS R MS GB 303 - late MR MS S MS MR MR MR MS MR MR MS P MS P MR MS S MS P P P P P P P P | Oakes | + | medium | MS | MS | MR | fair | MS | S | MS | MR | |
| SS 8500 ave late MS MR MS MR R MR R MR R MR S S S S | P 26R10 | - | late | MS | MR | | | MS | | | MS | |
| Terral TV8836 - late MS MS S MR MS S S | SS 8500 | ave | late | MS | MR | MS | | MR | | | MS | |
| Terral TV8848 ave late MS MR S S S | Terral TV8535 | - | late | MS | MS | S | | MR | | | MS | |
| USG 35363 - medium MR R MR R MR </td <td>Terral TV8848</td> <td>ave</td> <td>late</td> <td>MS</td> <td>MR</td> <td>MR</td> <td></td> <td>MR</td> <td></td> <td></td> <td>MR</td> <td></td> | Terral TV8848 | ave | late | MS | MR | MR | | MR | | | MR | |
| USG 3555·mediumMRSMSfair-poorMRMRMRRMRRRAGS 2026aveearlyMSRSgoodMRMRMRSRDG 9053lateMSMSSMSMRMRMRMSMRDG 9171-lateMRMRMSSMRMRMRMRMRMRDG BaldwinavemediumMSRMSgoodMSMRRMSMR< | USG 3438 | - | medium | MR | MR | MR | | MR | | | MS | |
| AGS 2026 ave early MS R S good MR MR MR S R DG 9053 - late MS MS S MS MS MR | USG 3555 | - | medium | MR | S | MS | fair-poor | MR | MR | R | MR | R |
| AGS 2026 ave early MS R S good MR MR MR S R DG 9033 - late MR | | | | A | verage Yieldi | ng (86 to 8 | 87 Bushels pe | r Acre) | | | | |
| DG 9053 - late MS MS S MS MR MS MR MR MR MR MS MR MR MS | AGS 2026 | ave | early | MS | R | S | good | MR | MR | | S | R |
| DG 9171 - late MR MR MS MR MR MR DG 8ladwin ave medium MS R MS good MS MR R MS MR MS MR MS MR R MS MR S MS MS MR MS MR S MS MS MR MS MR S | DG 9053 | - | late | MS | MS | S | U | MS | | | MS | |
| DG Baldwin ave medium MS R MS good MS MR R MS MR P26R12 + late R MR MS good MR MR R MR MS P26R12 + late MS S MS good MR MR MR MR MS MR MS S MS Poor S S R S S S S S S R S S S S S S R MS R MS MR MS R MS R MS R S | DG 9171 | - | late | MR | MR | MS | | MR | | | MR | |
| NC Yadkin ave late R MR MS fair MS MR R MR MS R P 26R22 - late MS S MS fair-poor MR MR< | DG Baldwin | ave | medium | MS | R | MS | dood | MS | MR | R | MS | MR |
| P 26R12 + late MS S MS good MR MR MR S MS P P 26R22 - late MS S MS fair-poor MR MR MS R SS 520 - early MR S MS poor S S R S S SS 5205 + medium MS R MS poor MR MR MS | NC Yadkin | ave | late | R | MR | MS | fair | MS | MR | R | MR | MS |
| P 26R22 - late MS S MS fair-poor MS MR MS R SS 520 - early MR S MS poor S S R S S SS 5205 + medium MS MR MS fair-poor MR MR MS R SS 8404 + medium R R MS fair-poor MR MR S S S SS 8404 + medium R R MS fair-poor MR MR MS S <t< td=""><td>P 26R12</td><td>+</td><td>late</td><td>MS</td><td>S</td><td>MS</td><td>dood</td><td>MR</td><td>MR</td><td>MR</td><td>S</td><td>MS</td></t<> | P 26R12 | + | late | MS | S | MS | dood | MR | MR | MR | S | MS |
| SS 520 - early MR S MS poor S S R S S SS 5205 + medium MS MR MS poor MR MR MS R SS 8404 + medium MS R MS fair-poor MR MR S S S SS 841 + medium MR R MR fair-poor MR MR MS S S SS 8401 + medium MR S MR MR MS S god MR MR MS S S S S S MR MS S S S MR MR MS MR MS MR MS MR MS S S S S S S MS MR MR S S MR MS S S MR MS | P 26R22 | - | late | MS | S | MS | fair-poor | MS | MR | | MS | R |
| SS 5205 + medium MS MR MS poor MR MR MS R SS 8404 + medium MS R MS fair-poor MR MR S S S SS 8404 + medium R R MR fair-poor MR MR MS S S SS 8700 - late MR R MR fair-poor MR MR MS S MS SY 9978 - late MR MS S good MR MR MS S Terral TV8525 + late MR MR MS MR MR MR MR MR MR USG 3201 ave late MS MR MR MR MR MR MS MS USG 3202 + medium MS MR MS MR MR MR MR MS MS MS | SS 520 | _ | early | MR | S | MS | poor | S | S | R | S | S |
| SS 8404 + medium MS R MS fair-poor MR MR S S S SS 8641 + medium R R MR fair-poor MR MR MS S MR SS 8700 - late MR S MR fair-poor MR MR MS S MR SY 9978 - late MR MS S good MR MS S Terral TV8525 + late MR MR MS MR MS | SS 5205 | + | medium | MS | MR | MS | poor | MR | | MR | MS | R |
| SS 8641 + medium R R MR fair-poor MR MR MS S MR SY 9978 - late MR MS S good MR - MS SY 9978 - late MR MS S good MR - S Terral TV8525 + late MS MR MS MR MR MR USG 3201 ave late MS MR MS MR MR MR USG 3209 ave early MR S MS poor MS MR R MS USG 3592 + medium MS R MS fair S MR R MS C 9553 + medium MS MR S poor MS MR MS MR C 9553 + medium MS MR S poor MS MS MS MR P 25R32 + late MS MR S poor MS MR MR MS P 25R15 - late MS MR MS good-fair <td>SS 8404</td> <td>+</td> <td>medium</td> <td>MS</td> <td>R</td> <td>MS</td> <td>fair-poor</td> <td>MR</td> <td>MR</td> <td>S</td> <td>S</td> <td>S</td> | SS 8404 | + | medium | MS | R | MS | fair-poor | MR | MR | S | S | S |
| SS 8700-lateMRSMRfair-poorMRMRMSSSY 9978-lateMRMSSgoodMRMRSSTerral TV8525+lateMRMRMSMRMRMRMRUSG 3201avelateMSMRMSMRMRMRMRUSG 3209avelateMSMRMSpoorMSMRRMSUSG 3209avelateMSMRSMSpoorMSMRRMSUSG 3209avenediumMSRMSpoorMSMRRMSMSUSG 3209avenediumMSRMSpoorMSMRRMSMSUSG 3209aveheadiumMSRMSfair-poorMSMRRMSMSC 9553-lateMSMRSpoorMSMRMSSNRMSSNC Neuse+lateRMRMRgoodMSMRMSMRMSMRMRMSMRMRMRMRMRMRMRMRMRMRMRMRMRMRMRMRMRMRMRMSMRMSMRMSMRMSMRMSMRMSMRMSMRMSMRMSMS | SS 8641 | + | medium | R | R | MR | fair-poor | MR | MR | MS | S | MR |
| SY 9978-lateMRMSSgoodMRMRMRMRTerral TV8525+lateMRMRMRMRMRMRMRMRUSG 3201avelateMSMRMSMRMRMRMRMRUSG 3209aveearlyMRSMSpoorMSMRRMSMSUSG 3209aveearlyMRSMSpoorMSMRRMSMSUSG 3592+mediumMSRMSfairSMRRSMSUSG 3592+mediumMSRMSfairSMRRSMSC9553-lateMSMRSpoorMSMRMSMSMRMSMRC 9804-mediumMSMRSpoorMSMRMSMSMRMSSC 9804-lateRMRMRgoodMSMRMSMSMRMSMSMRMSMSMRMSMSMRMSMSMRMSMRMSMRMSMRMSMRMSMRMSMRMSMRMSMSMRMS <td< td=""><td>SS 8700</td><td>-</td><td>late</td><td>MR</td><td>S</td><td>MR</td><td>fair-poor</td><td>MR</td><td></td><td></td><td>MS</td><td></td></td<> | SS 8700 | - | late | MR | S | MR | fair-poor | MR | | | MS | |
| Terral TV8525+lateMRMRMSMRMSMRRMSMRRMSMRRMSMRRMSMRRMSMSMSMSMSMSMRRMSMSMSMSMSMSMRRMSM | SY 9978 | - | late | MR | MS | S | good | MR | | | S | |
| USG 3201avelateMSMRMSMRMRMRRMRMRUSG 3209aveearlyMRSMSpoorMSMRRMSMSUSG 3592+mediumMSRMSfairSMRRSMSBelow Costs Busies per AcreyAGS 2056-lateMSMRSMRMRMSMSMSC 9553+mediumMSMSMSfair-poorMSMSMSMSMSC 9804-mediumMSMRSpoorMSMRMSMRMSMSC 9804-mediumMSMRMRgoodMSMRMSMRMSMRP 25R32+lateRMRMRgood-fairMSMRMRMRMRP 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRMRProg 125avelateMSMSMSfairMRMSSSProg 185avelateMSSMSMRMSSSSSProg 185avelateMSSMSMSMSSSSSSS 8308 | Terral TV8525 | + | late | MR | MR | MS | Ū | MR | | | MR | |
| USG 3209aveearlyMRSMSpoorMSMRRRMSMRRMSMSMSMSUSG 3592+mediumMSRMSRMSfairSMRRSMSMSBelow Average Yielding (80 to 85 Bushels per Acre)AGS 2056-lateMSMRSMRMSMSMSMRMS <t< td=""><td>USG 3201</td><td>ave</td><td>late</td><td>MS</td><td>MR</td><td>MS</td><td></td><td>MR</td><td></td><td></td><td>MR</td><td></td></t<> | USG 3201 | ave | late | MS | MR | MS | | MR | | | MR | |
| USG 3592+mediumMSRMSfairSMRRSMSAGS 2056-lateMSMRSMRSMRMSMSC 9553+mediumMSMSMSfair-poorMSMRMSMSMSC 9804-mediumMSMRSpoorMSMRMSSNC Neuse+lateRMRMRgoodMSMRMSMRMSP 26R15-lateMRRMSgood-fairMSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRMRProg 125aveearlyMSMSMSSMRSSpoorMSMRMSSProg 185avelateMSMSMSMRpoorMSMRMSSSProg 357-lateMSSMSfairMSMRMRRSSS 8308+lateMSSMSMRMSSS | USG 3209 | ave | early | MR | S | MS | poor | MS | MR | R | MS | MS |
| Below Average Vielding (80 to 85 Bushels per Acre)AGS 2056-lateMSMRSMRMRMSMSC 9553+mediumMSMSMSfair-poorMSMRMSMSMRC 9804-mediumMSMRSpoorMSMSMSSNC Neuse+lateRMRMRgoodMSMRMSMRMSP 25R32+lateMSMRMRgood-fairMSMRMRMRP 26R15-lateMRRMSgood-fairSMRRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSMRpoorMSMRMSSProg 185avelateMSSMRpoorMSMRMSSProg 357-lateMSSMSfairMSMRMRRSS 8308+lateMRMSMSMRMRSSSSTerral TV8626-lateMSSMSMRMRSSSSMRMSSSSSSSSSSSSSSSSSSSSSSSSS | USG 3592 | + | medium | MS | R | MS | fair | S | MR | R | S | MS |
| AGS 2056-lateMSMRSMRMRMRMSMSC 9553+mediumMSMSMSfair-poorMSMRMSMSMSMRC 9804-mediumMSMRSpoorMSMRMSMSSNC Neuse+lateRMRMRgoodMSMRMSMRMSP 25R32+lateMSMRMRgood-fairMSMRMRMRP 26R15-lateMRRMSgood-fairSMRRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSMRpoorMSMRMRMSSProg 185avelateMSSMRpoorMSMRMSSProg 357-lateMSSMSfairMSMRMRRS 8302avelateMSSMSfairMSMRMSSUSG 3409avemediumMRSMSMRMRSSUSSUSG 3665-mediumMRSMSMRMRMSMRMRMRMRMRMRVA Jamestown+earlyMRMSMSfairMRMS | | | | Belov | w Average Yi | eldina (80 | to 85 Bushels | per Acre) | | | | |
| C 9553+mediumMSMSMSfair-poorMSMRMSMSMSMRC 9804-mediumMSMRSpoorMSMRMSSNC Neuse+lateRMRMRgoodMSMRMSMRMSP 25R32+lateMSMRMRgood-fairMSMRMRMRMSP 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRMRProg 125aveearlyMSMSSpoorMSMRMRMSSProg 185avelateMSSMRpoorMSMRMRMSSProg 357-lateMSSMSfairMSMRMRRSS 8302avelateMSSMSfairMSMRMRRSS 8308+lateMSSMSfairMRMSMSSSUSG 3409avemediumMRSMSMRMRSSMRMRMSMSUSG 3665-mediumMRRSSfairMRMSMSMRMSMRMRMRMRVA Jame | AGS 2056 | - | late | MS | MR | S | | MR | | | MS | |
| C 9804-mediumMSMRSpoorMSMSMSSNC Neuse+lateRMRMRgoodMSMRMSMSMRMSP 25R32+lateMSMRMRgood-fairMSMRMRMSP 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSSMRpoorMSMRMSSProg 185avelateMSMSSMRpoorMSMRMRMSSProg 357-lateMSSMSfairMSMRMRRSSS 8302avelateMSSMSfairMSMRMRRSS 8308+lateMRMSMSMRMSSMSMRMSUSG 3409avemediumMRSMSMRMRSSUSMRMSMRMSUSG 3665-mediumMRRSgood-fairMRMSMSMRMRMRMRVA Jamestown+earlyMRMSMSMSMSSSRSMRMRMR | C 9553 | + | medium | MS | MS | MS | fair-poor | MS | MR | MS | MS | MR |
| NC Neuse+lateRMRMRgoodMSMRMRMSMRMSP 25R32+lateMSMRMRMRgood-fairMSMRMRMRP 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSSMRMRSSProg 185avelateMSMSMRpoorMSMRMRMSSProg 357-lateMSSMSfairMSMRMRRSS 8308+lateMRMSMSMSMSSSSUSG 3409avemediumMRSMSMRMRSSUSG 3665-mediumMRRSgood-fairMRMSMSMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRMRMRMRVA Merl+lateMRMSMSMSMRMSMRMRMRMRMR | C 9804 | - | medium | MS | MR | S | poor | MS | | MS | S | |
| P 25R32+lateMSMRMRgood-fairMSMRMRMRP 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSSopoorMSRMRMSSProg 185avelateMSMSSopoorMSMRMRMSSProg 357-lateMSSMSMRMRMRRSSS 8302avelateMSSMSfairMSMSMRRSS 8308+lateMRMSMSMSMSMSSSTerral TV8626-lateMSSMSMRMRSSUSG 3665-mediumMRRSgood-fairMRSRMRVA Jamestown+earlyMRMSMSfairMRMSMSMRMSMSVA Merl+lateMRMSMSMSfairMRMSMSMRMRMS | NC Neuse | + | late | R | MR | MR | aood | MS | MR | MS | MR | MS |
| P 26R15-lateMRRMSgood-fairSMRRMRMRProg 117avemediumMSSSpoorMSRMRMRProg 125aveearlyMSMSSorMRcSSProg 185avelateMSMSMRpoorMSMRMRMSSProg 357-lateMSSMSMRMRMRSSS 8302avelateMSSMSMRMSMRRSS 8308+lateMRMSMSMSMSSSTerral TV8626-lateMSSMSMRMRSSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMSMSVA Merl+lateMRMSMSfairMRMSMSMRMSMS | P 25R32 | + | late | MS | MR | MR | good-fair | MS | | | MR | |
| Prog 117avemediumMSSSpoorMSRMRProg 125aveearlyMSMSSorMRorSSProg 185avelateMSMSMRpoorMSMRMRMSSProg 357-lateMSSorMRMRMRMRMRRSS 8302avelateMSSMSfairMSMRMRRSS 8308+lateMRMSMSMSMRSSTerral TV8626-lateMSSMSMRMRSSUSG 3409avemediumMRSMSMRMRSSUSG 3665-mediumMRRSgood-fairMRMSMSMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRVA Merl+lateMRMSMSfairMRMSMSMRMR | P 26R15 | - | late | MR | R | MS | good-fair | S | MR | R | MR | MR |
| Prog 125aveearlyMSMSSMRMRSProg 185avelateMSMSMRpoorMSMRMRMSSProg 357-lateMSS-MRMSMRMSSSS 8302avelateMSSMSfairMSMRMRRSS 8308+lateMRMSMSMSMSSSTerral TV8626-lateMSSMSMRMRMSUSG 3409avemediumMRSMSMRSRMSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSMSSRSSRSVA Merl+lateMRMSMSSSSSSSS | Prog 117 | ave | medium | MS | S | S | poor | MS | | R | MR | |
| Prog 185avelateMSMSMRpoorMSMRMRMSSProg 357-lateMSS-6MRMRMSSSS 8302avelateMSSMSfairMSMSMRMRRSS 8308+lateMRMSMSMSMSSSSTerral TV8626-lateMSSMSMRMRMSMSUSG 3409avemediumMRSMSMRMRSSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRMRMRMRVA Merl+lateMRMSMSSSSSSSSS | Prog 125 | ave | early | MS | MS | S | P | MR | | | S | |
| Prog 357-lateMSSImageMRMRMRSSS 8302avelateMSSMSfairMRMSMRMRRSS 8308+lateMRMSMSMSMSSSSTerral TV8626-lateMSSMSMRMRMSMSUSG 3409avemediumMRSMSMRSMSSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSSSRSMSVA Merl+lateMRMSMSSSSSSS | Prog 185 | ave | late | MS | MS | MR | poor | MS | | MR | MS | S |
| SS 8302avelateMSSMSfairMSMSMRMRRSS 8308+lateMRMSMSMSMSSSTerral TV8626-lateMSSMSMRMRMSUSG 3409avemediumMRSMSMRCSUSG 3665-mediumMRRSgood-fairMRSRMRVA Jamestown+earlyMRMSMSSSRSVA Merl+lateMRMSMSSSRS | Prog 357 | - | late | MS | S | ••••• | P - 5. | MR | | | S | - |
| SS 8308+lateMRMSMSMSMSMSMSMRMRMRTerral TV8626-lateMSSMSMRMRMSMSMSMSUSG 3409avemediumMRSMSMRMRSSMSMRSMSUSG 3665-mediumMRRSgood-fairMRSRMRMSMSVA Jamestown+earlyMRMSMSSSRSMRMRVA Merl+lateMRMSMSSSRSS | SS 8302 | ave | late | MS | S | MS | fair | | MS | MR | MR | R |
| Terral TV8626-lateMSSMSMRMRMSUSG 3409avemediumMRSMSMRSMSSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRMRMRVA Merl+lateMRMSMSSSRSSS | SS 8308 | + | late | MR | MS | MS | | MS | | | S | |
| USG 3409avemediumMRSMSMRCSUSG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRMRMRVA Merl+lateMRMSMSSSRSSSSS | Terral TV8626 | _ | late | MS | S | MS | | MR | | | MS | |
| USG 3665-mediumMRRSgood-fairMRSRMRMSVA Jamestown+earlyMRMSMSfairMRMSMSMRMRMRVA Merl+lateMRMSMSSSRS | USG 3409 | ave | medium | MR | S | MS | | MR | | | S | |
| VA Jamestown + early MR MS MS fair MR MS MS MR MR VA Merl + late MR MS MS S R S | USG 3665 | - | medium | MR | R | S | good-fair | MR | S | R | MR | MS |
| VA Meri + late MR MS MS S R S | VA Jamestown | + | early | MR | MS | MS | fair | MR | MS | MS | MR | MR |
| | VA Merl | + | late | MR | MS | MS | ian | S | | R | S | |

1. Listed alphabetically within groups: AGS = AgSouth Genetics; C = Coker; DG = Dyna-Gro; FthrStn = Featherstone; P = Pioneer; Prog = Progeny; SS = Southern States; SY = Syngenta; USG = UniSouth Genetics.

2. For test weight "+", "ave", and "-" stand for above average, average, and below average, respectively.

3. SNB stands for Stagonospora nodorum blotch.

4. S, MS, MR, & R stand for Susceptible, Moderately Susceptible, Moderately Resistant, & Resistant, respectively.

Recommendations For Very Early Planting

We have been testing a system for planting wheat before soybean harvest. This means planting 10 to 14 days earlier than would normally be considered appropriate for wheat. The system consists of:

- 1) planting at a 2/3 normal seeding rate,
- 2) planting only seed treated with an insecticidal seed treatment such as GauchoXT or Cruiser/Dividend,
- 3) planting about September 29th in the Piedmont and around October 8th in the Coastal Plains and Tidewater, and
- 4) most importantly, *only planting late-heading varieties*.

Four-year variety performance data at Salisbury North Carolina for this system are shown in Table 2.

| Wheat Variety [†] | Yield (bushels per acre) | | | | | | |
|---------------------------------------|--------------------------|-------|-------|-------|--|--|--|
| | 2012 | 2011 | 2010 | 2009 | | | |
| P 26R20 | 109.0 | | | | | | |
| DG 9053 | 105.9 | | | | | | |
| P 26R12 | 101.3 | 131.5 | 99.7 | 106.1 | | | |
| DG Shirley | 101.2 | 133.2 | 102.8 | | | | |
| Branson | 98.1 | 131.3 | | | | | |
| P 25R32 | 93.6 | 127.2 | | | | | |
| USG 3665 | 91.2 | 133.5 | 92.2 | 102.4 | | | |
| C 9436 | 91.1 | 130.3 | 86.9 | 85.5 | | | |
| VA Merl | 90.6 | 133.2 | 92.9 | | | | |
| P 26R15 | 90.6 | | 82.4 | 99.0 | | | |
| SS 8302 | 90.4 | 132.6 | 97.1 | 102.6 | | | |
| ARS Appalachian White (Hard Wheat) | 66.6 | | | | | | |
| DG V9713 | | 128.2 | 90.0 | 99.5 | | | |
| NC Yadkin | | 122.6 | | | | | |
| NC Neuse | | 118.4 | 87.5 | 86.4 | | | |
| USG 3725 | | | 91.1 | | | | |
| VA Roane | | | 85.8 | 93.5 | | | |

| Table 2. Very-early-planting variety test results from Salisbury NC. Tests planted on Sept. | 29 th |
|---|------------------|
| using reduced seeding rates, GauchoXT, and only late heading varieties. | |

[†] Listed alphabetically within groups: ARS = USDA; C = Coker; DG = Dyna-Gro; P = Pioneer; SS = Southern States; USG = UniSouth Genetics.

Use of brand names & mention or listing of commercial products does not imply endorsement by the NC Cooperative Extension Service nor discrimination against similar products or services not mentioned.

