

The Johnston County Grower

Johnston County Center

January 2025

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Private Applicators Recertification/Safety Classes (2 hours V)

The North Carolina Cooperative Extension Service invites all private applicators whose license expires in 2025 to attend one of four Private Applicator Pesticide Recertification/Safety classes. These two-hour classes will be held on the following dates:

Thursday, February 6th, 2025, beginning at 1:30–3:30 pm
Thursday, February 13th, 2025, beginning at 3:30–5:30 pm
Monday, February 24th, 2025, beginning at 6:00–8:00 pm
Thursday, September 4th, 2025, starting at 6:30–8:30 pm

The classes will be at the Johnston County Agricultural Center in Smithfield, 2736 NC Hwy 210. Applicators are reminded that their license expires at the end of the year, but all recertification credits must be obtained before **September 30th of the year the license expires**. Applicators are asked to bring their Pesticide Credit Report Card with the bar code to scan to class. Please call Tim Britton at 919 989-5380 to check credits.

Tobacco Production and GAP Meeting-January 10th, 2025, 9:00 am

North Carolina Cooperative Extension in Johnston County will host a Tobacco Production and GAP meeting on Friday, January 10th, 2025, beginning at 9:00 am and ending with Lunch. The meeting will be held at the Johnston County Agricultural Center. If you cannot attend this meeting, a complete list of GAP meetings can be found at www.gapconnections.com. Pesticide credits and CCA credits will be offered. **Pre-registration is required.** Please register by calling 919-989-5380

Fumigation Recertification-January 10th, 2025, 1:00 pm (1 hour fumigation)

Fumigation recertification will follow the Tobacco Production GAP meeting on Friday, January 10th, 2025. Growers must attend a fumigation recertification training based on the fumigation labels every three years. The NCDA&CS has linked this recertification with your License Renewal Date. If you have the fumigation category on your license, it will appear on your card as V X Z (SF). See the example on the next page.

Contact us:

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Smithfield, NC 27577
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This is an example of how your card should read: Notice the Z(SF), Soil Fumigation, and the recertification date.

SIGNATURE OF APPLICATOR	
X	Category
Categories Held:	X V Z(SF)
CATEGORIES AVAILABLE:	
Z(SF) SOIL FUMIGATION	X-PRIVATE SPECIALTY
Z(CF) COMMODITY FUMIGATION	V-PRIVATE SAFETY
RECERTIFICATION	
Recertification credits must be earned by:	Recertification Credit Date
09/30/2025	09/30/2025

Annual Fit Testing - January 22nd, 2025

Annual fit testing will be on **Wednesday, January 22nd, from 8:30 am to 5:00 pm**. NC Agromedicine charges \$55 per person for the fit testing and medical clearance. Just the fit testing will cost \$30. Payment will be collected at the time of the test. There were some issues with seals in the past. Please check seals by doing a seal test before coming in. **Bring your respirator and ensure you are clean-shaven**. You can obtain medical clearance at www.respexam.com or your local doctor's office. **NC Agromedicine will be able to provide medical clearances if needed**. If you have questions, please call Tim Britton or Bryant Spivey at 919-989-5380. **Registration is required to be fit tested.**

Tobacco Greenhouse Management Meeting, January 24th, 2025, 8:30–9:30 am (1-hour NODX)

Please join us for a tobacco seedling production update. This meeting will begin promptly at 8:30 am, and a light breakfast will be served. Speakers will be Bryant Spivey, Johnston County Extension, and Norman Harrell, Wilson County Extension. At the end of the meeting, there will also be plenty of time for questions and answers about other tobacco production practices. **Registration by calling 919-989-5380 is requested.**

Regional Soybean School – January 29th, 2025, 4:00–7:00 pm (2 hours NODX)

The North Carolina Cooperative Extension Service invites all growers to attend a Regional Soybean School on Wednesday, January 29th, 2025, from 4:00–7:30 pm. The meeting will be at the Nash County Farmers Market in Rocky Mount (1006 Peachtree St, Rocky Mount, NC 27804). This meeting allows specialists to cover thoroughly the soybean issues affecting growers in our region. Pesticide credits and CCA credits will be offered. Pre-registration is required. To register, go [here](#) or call 252-731-1512.

Small Grain, Corn, and Grain Sorghum Meeting – February 6th, 2025, 4:00–7:00 pm (2 hours NODX)

The North Carolina Cooperative Extension Service in Johnston County invites all growers to a corn and small grain production meeting on February 6th, 2025. The meeting will be held at the Johnston County Agricultural Center. Pesticide credits and CCA credits will be offered. Please register by calling 919-989-5380.

Field Crops Update Meeting - February 13th, 2025, 6:00 pm (2 hours NODX)

The North Carolina Cooperative Extension Service invites all growers to attend the Field Crops Update meeting on Thursday, February 13th, 2025, at 6:00 pm. The meeting will be held at the Johnston County Agricultural Center. Pesticide credits and CCA credits will be offered. **Pre-registration is required**. Please register by calling 919-989-5380.

Regional Cotton Production Meeting – February 20th, 2025, Noon (2 hours NODX)

The North Carolina Cooperative Extension Service in Johnston, Wilson, Nash, and Edgecombe counties invites all growers to attend the cotton production meeting on Thursday, February 20th, 2025. The meeting will be at the Wilson County Extension Office, 1806 Goldsboro St SW, Wilson NC, at Noon. Cotton varieties and management, insect management, and weed control will be discussed. Please register by calling 252-237-0111

Regional Cotton Production Meeting - February 20th, 2025, 8:30 am (2 hours NODX)

The North Carolina Cooperative Extension Service in Johnston, Sampson, Cumberland, and Harnett counties invites all growers to attend the cotton production meeting on Thursday, February 20th, 2025. The meeting will be at the Sampson County Expo Center, 414 Warsaw Road in Clinton, NC, at 8:30 am. Cotton varieties and management, insect management, and weed control will be discussed. **Pre-registration is required.** Please register by calling 910-592-7161

Regional Peanut Production Meeting - February 14th, 2025, 12:00 Noon (2-hour NODX)

The North Carolina Cooperative Extension Service in Johnston, Wilson, Wayne, Harnett, and Greene counties invites all growers to attend the Regional Peanut Production meeting on Friday, February 14th, 2025, at Noon. The meeting will be held at the West Farm at 1365 NC 222 East, Fremont, NC 27830. This will be about 2 miles east of Fremont. Peanut varieties, insect, disease management, and weed control will be discussed. A sponsored meal will be served. Pre-registration is required for the meeting. Please by calling 919-731-1521

Regional Sweetpotato Production Meeting - February 25th, 2025, 5:30 pm (2 hours NODX)

The North Carolina Cooperative Extension Service invites all growers to attend a sweetpotato production meeting on Tuesday, February 25th, 2025. The meeting will be held at the **Nash County Center** in Nashville (1006 Eastern Ave, Nash County Ag Center, Nashville, NC 27856). **Pre-registration is required.** Please register by calling 252-459-9810.

Regional Sweetpotato Production Meeting - February 27th, 2025, 5:30 pm (2 hours NODX)

The North Carolina Cooperative Extension Service invites all growers to attend a sweetpotato production meeting on Thursday, February 27th, 2025. The meeting will be held at the **Johnston County Ag Center** at 2736 NC 210 Hwy Smithfield at 5:30 pm. **Pre-registration is required.** Please register by calling 919-989-5380.

Paraquat Training March 6th, 2025 (1 hour NODX)

Paraquat training will begin at 10:00 am and is required every three years. The meeting will be held at the Johnston County Agricultural Center. Pre-registration is not required.

Interactive Pesticide Training - March 28th, 2025, 10:00 am-12:00 pm (2 hours, all except V)

The North Carolina Cooperative Extension Service in Johnston County invites all commercial and private applicators,, dealers, consultants and public ground operators to attend an Interactive Pesticide Training class. This two-hour class will be held at the Johnston County Livestock Arena on Friday, March 28th, 2025. The arena is at 520 County Home Road, Smithfield, NC 27577. The class will begin at 10:00 am. Please bring your Pesticide Credit Report Card with the barcode to this class. Please call Tim Britton at 989-5380 for more information about the credits to be offered.

2025 Pesticide Exam Schedule - Johnston County

The North Carolina Pesticide exams will be offered on Wednesday, January 8th, and October 8th at 1:00 pm at the Johnston County Ag Center. Bring a valid ID (Driver's License) and calculator to take the Exam. Please arrive by 12:30 pm.

There will be a pesticide School in May. The school will be offered on May 6th and 7th, and an exam on May 8th at 1:00 pm. You must register for school and Exams online or by calling 919 515-3113. To register for the Exam only call 919-733-3556. [Click here for more information.](#)

2025 NC Commodity Conference - January 8th-10th, 2025

You are invited to attend the 33rd Annual NC Commodities Conference of NC Small Grains, Soybeans, Corn & Cotton Producers Associations, an informative and educational conference dedicated to discussing the challenges of farming in the 21st Century. Come along and find out the latest trends and technologies and hear from some of the leading figures in the industry today. There is no cost to attend the conference, but **pre-registration is required.** The meeting will be held at the **Sheraton Imperial Hotel & Convention Center** 4700 Emperor Blvd, Durham, NC.

Southern Farm Show –February 5th-February 7th, 2025, NC State Fairgrounds

Over 400 exhibiting companies make the Southern Farm Show the largest agricultural exposition in the Carolinas and Virginia. A tradition at the NC State Fairgrounds each February, the show hosts key industry events and is known as the region's annual meeting place for farmers and agricultural leaders. Free admission and parking make the show a can't-miss for farmers and allied professionals, including landscapers and excavation contractors.

Cotton Variety Information

Cotton variety trials were initiated in several counties in North Carolina. Please visit the following link to see the cotton variety on-farm testing and OVT data by Dr. Guy Collins. The Johnston County all-technology trial had similar results with the top 4 from the list below. https://trials.ces.ncsu.edu/cotton/select_trials/

All Technology			Xtend Flex Only		
Variety	Lint Yield	% Above Average	Variety	Lint Yield	% Above Average
Deltapine 2127 B3XF	1278	9.0	Deltapine 2127 B3XF	1568	18.2
Deltapine 2333 B3XF	1234	5.2	AR 9371 BXF3	1469	10.8
AR 9371 BXF3	1228	4.8	NexGen 3195 B3XF	1418	6.9
NexGen 3195 B3XF	1215	3.7	Deltapine 2333 B3XF	1386	4.5
PHY 415 W3FE	1156	-1.3	AR 9831 BXF3	1328	.1
Dyna Gro 3528 B3XF	1149	-2	Dyna Gro 3528 B3XF	1327	.05
Dyna Gro 3519 B3XF	1144	-2.3	Dyna Gro 3519 B3XF	1181	-10.9
PHY 411 W3FE	1129	-3.6	Stoneville 6000 AOTP	1163	-12.3
Stoneville 6000 AOTP	1104	-5.8	NexGen 4414 B3XF	1096	-17.3
NexGen 3195 B3XF	1084	-7.5			

Above Average Coastal Plain Corn - All Maturities (2022-2024)

Company/Brand	Hybrid	Trait	Relative Maturity	Yield (bu/a)	Test Weight (lb/bu)	Top Yield Group %	Years in Test	% Trial Mean
DEKALB - Bayer Crop Science	DKC68-35	VT Double PRO	118	185.3	58.6	100%	3	13.4%
DEKALB - Bayer Crop Science	DKC 113-83	Trecepta	113	186.2	58.3	83%	2	8.6%
DEKALB - Bayer Crop Science	DKC64-22	VT Double PRO	114	183.6	58.7	67%	2	6.4%
Gateway	1913TRE	Trecepta	113	182.8	56.9	67%	2	6.1%
Growmark Inc	FS 6306T RIB	Trecepta	113	173.9	56.3	44%	3	6.0%
INTEGRA	6493	VT Double PRO	114	173.2	56.1	56%	3	5.6%
Seedway	SW 1345TR	Trecepta	113	160.4	56.2	33%	2	4.9%
Progeny Ag Products	PGY 2314TRE	Trecepta	114	178.1	57.1	50%	2	4.4%
Revere Seed	Revere 1627 TC	Trecepta	116	171.2	57.9	25%	3	4.3%
Dyna-Gro	D58TC94	Trecepta	118	177.2	58.6	40%	2	3.8%
Growmark Inc	FS 6017V RIB	VT Double PRO	110	170.9	56.3	22%	3	3.8%
Dyna-Gro	D57TC29	Trecepta	117	167.7	56.2	13%	3	3.1%
FS System	FS 6627T RIB	Trecepta	116	168.8	58.1	38%	3	2.7%
Dyna-Gro	D56TC44	Trecepta	116	175.2	58.1	40%	2	2.5%
INTEGRA	6915TRE	Trecepta	119	175.2	55.9	20%	2	2.1%
Revere Seed	Revere 1839 TC	Trecepta	118	174.9	55.9	40%	2	2.1%
Seed Consultants	SC1112AM	AcreMax	112	168.7	58.2	44%	3	2.1%

Above average yielding hybrids that were tested for 2 or more years across all relative maturities. The % Trial Mean for these hybrids are greater than or equal to 1 standard deviation from the average. Hybrids are sorted by % Trial Mean from high to low. Top Yield Group % is the percentage of time the hybrid was in the top yield group across all locations tested in this category. For more details on these

This chart shows data collected from the 2024 OVT for our area. For all of the 2024 corn OVT information, click [here](#)

Top Yielding Soybean Varieties for our Area (Based on OVT Data) This list ranks by yield and does not include all varieties in OVT (Please look at Traits)

Information was taken from the Variety Selection tool and OVT tables. Information is for our area of North Carolina and may not be useful in other regions. As with all crops, varieties change quickly, and getting 2-3-year data has become more complex. For more information, click [here](#). To use the variety Selection tool, click [here](#). The yields for above

average MG4 through MG7 soybean varieties in the 2024 NCOVT Full Season and Double Crop soybean testing. Varieties are sorted by yield from high to low.

Group IV Full Season					Group IV Double Crop				
Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain	Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain
AGSouth Genetics	AGS V4921S	Conventional/STS	4.9	14.6%	AGSouth Genetics	EXP4.6	Conventional	4.6	28.9%
Stine Seed	47EE02	Enlist	4.7	14.3%	Benson Hill	N44D923S	Conventional	4.4	28.3%
Pioneer	P42A84E	Enlist	4.2	13.8%	AGSouth Genetics	AGS V4921S	Conventional/STS	4.9	28.0%
Revere Seed	Revere 44-F44	XtendFlex/STS	4.4	12.6%	Progeny Ag Products	P 4947XF5	XtendFlex/STS	4.9	26.1%
Mid-Atlantic seeds	MAS4423E3	Enlist	4.4	10.2%	INTEGRA	XF4914S	XtendFlex/STS	4.9	15.7%
NK Brand	NK47-G5E3S	Enlist/STS	4.7	9.4%	Revere Seed	Revere 49-F36	XtendFlex/STS	4.9	15.0%
Dyna-Gro	S48XF35	XtendFlex	4.8	9.3%	Axis	4815XF5	XtendFlex/STS	4.8	14.2%
UniSouth Genetics	USG 7485ETS	Enlist/STS	4.8	9.2%	NK Brand	NK47-G5E3S	Enlist/STS	4.7	11.2%
HISOY	HS48F40	XtendFlex/STS	4.8	8.8%	INTEGRA	XF4875S	XtendFlex/STS	4.8	9.2%
Progeny Ag Products	P 4947XF5	XtendFlex/STS	4.9	8.4%	Revere Seed	Revere 48-F72	XtendFlex	4.8	8.4%
Revere Seed	Revere 49-F36	XtendFlex/STS	4.9	8.2%	Asgrow - Bayer Crop Science	AG49XF3	XtendFlex	4.9	7.8%
INTEGRA	XF4875S	XtendFlex/STS	4.8	7.6%	Dyna-Gro	S49XF43S	XtendFlex/STS	4.9	7.8%
INTEGRA	XF4914S	XtendFlex/STS	4.9	7.2%	DONMARIO SEEDS	DM 48E54	Enlist	4.8	6.8%
Revere Seed	Revere 48-F72	XtendFlex	4.8	7.2%	Asgrow - Bayer Crop Science	AG48XF3	XtendFlex	4.8	6.3%
Progeny Ag Products	P 4623XF	XtendFlex	4.6	6.9%	Asgrow - Bayer Crop Science	AG47XF5	XtendFlex	4.7	6.0%
DONMARIO SEEDS	DM 48E54	Enlist	4.8	6.2%	Progeny Ag Products	P 4604 XF5	XtendFlex/STS	4.6	5.5%
Dyna-Gro	S49XF43S	XtendFlex/STS	4.9	6.1%	UniSouth Genetics	USG 7485ETS	Enlist/STS	4.8	4.9%
Asgrow - Bayer Crop Science	AG49XF3	XtendFlex	4.9	5.5%	Progeny Ag Products	P 4798 XF	XtendFlex	4.7	4.8%
Axis	4514XF3	XtendFlex/STS	4.5	4.9%	HISOY	HS48F40	XtendFlex/STS	4.8	2.6%
Asgrow - Bayer Crop Science	AG48XF3	XtendFlex	4.8	4.6%	Revere Seed	Revere 4826XF5	XtendFlex/STS	4.8	2.2%
Stine Seed	47EE20	Enlist/STS	4.7	4.4%	HISOY	HS48E40	Enlist/STS	4.8	1.9%
Asgrow - Bayer Crop Science	AG47XF5	XtendFlex	4.7	4.3%	UniSouth Genetics	USG 7461XF	XtendFlex	4.6	1.7%
Axis	4815XF5	XtendFlex/STS	4.8	4.2%	Dyna-Gro	S47XF23S	XtendFlex/STS	4.7	1.3%
DONMARIO SEEDS	DM46F54S	XtendFlex/STS	4.6	3.9%	Dyna-Gro	S48XF35	XtendFlex	4.8	0.4%
Revere Seed	Revere 4826XF5	XtendFlex/STS	4.8	3.8%	Mid-Atlantic seeds	MAS4423E3	Enlist	4.4	0.4%
UniSouth Genetics	USG 7461XF	XtendFlex	4.6	3.7%	UniSouth Genetics	USG 7495XF5	XtendFlex/STS	4.9	0.4%
Dyna-Gro	S47XF23S	XtendFlex/STS	4.7	3.1%	Revere Seed	Revere 46-F57	XtendFlex/STS	4.6	0.1%
Fortus	4655ES	Enlist/STS	4.6	2.9%					
HISOY	HS48E40	Enlist/STS	4.8	2.7%					
UniSouth Genetics	USG 7495XF5	XtendFlex/STS	4.9	1.7%					
Group V Full Season					Group V Double Crop				
Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain	Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain
UniSouth Genetics	USG 7543XF	XtendFlex	5.4	13.9%	UniSouth Genetics	USG 7543XF	XtendFlex	5.4	16.3%
Syngenta - NK	NK54-J9XF5	XtendFlex/STS	5.4	9.3%	Progeny Ag Products	P 5751 XF	XtendFlex	5.7	13.3%
Catalyst	CTS293E3	Enlist	5.2	6.1%	Syngenta - NK	NK54-J9XF5	XtendFlex/STS	5.4	10.3%
Axis	5905XF	XtendFlex	5.9	6.0%	Revere Seed	Revere 53-F84	XtendFlex/STS	5.3	10.2%
Revere Seed	Revere 53-F84	XtendFlex/STS	5.3	5.4%	Revere Seed	Revere 5735XF5	XtendFlex/STS	5.7	8.3%
Revere Seed	Revere 5429E3	Enlist	5.4	4.7%	Dyna-Gro	S58XF24	XtendFlex	5.8	6.8%
HISOY	H550F40	XtendFlex	5	4.2%	Revere Seed	Revere 5429E3	Enlist	5.4	5.4%
HISOY	H554E10	Enlist	5.4	3.4%	Asgrow - Bayer Crop Science	AG54XF0	XtendFlex	5.4	4.1%
Stine Seed	55EG20	Enlist	5.5	3.4%	HISOY	H550F40	XtendFlex	5	1.8%
AGSouth Genetics	AGS V5422	Conventional	5.4	2.3%	Catalyst	CTS293E3	Enlist	5.2	1.5%
UniSouth Genetics	USG 7514ET	Enlist	5.1	2.0%	HISOY	H554E10	Enlist	5.4	1.3%
Southern Harvest	SH 5124 E3	Enlist	5.1	1.5%	Axis	5004XF	XtendFlex	5	0.6%
Harvey's	AP54E32	Enlist	5.4	1.3%	HISOY	H554F30	XtendFlex	5.4	0.4%
Revere Seed	Revere 5735XF5	XtendFlex/STS	5.7	1.2%	Harvey's	AP54E32	Enlist	5.4	0.3%
HISOY	H558F30	XtendFlex	5.8	1.0%	UniSouth Genetics	USG 7514ET	Enlist	5.1	0.1%
INTEGRA	XF5834S	XtendFlex/STS	5.8	0.8%	Seedway	SG 5643XTF	XtendFlex	5.6	0.0%
Progeny Ag Products	P 5751 XF	XtendFlex	5.7	0.6%					
Revere Seed	Revere 51-F31	XtendFlex	5.1	0.2%					
Group VI Full Season					Group VI Double Crop				
Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain	Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain
Revere Seed	Revere 6927XF	XtendFlex	6.9	17.4%	NC Foundation Seed Producers	NC Dunphy	Conventional	6	27.2%
Seedway	SX 6844XTF	XtendFlex	6.5	8.1%	UniSouth Genetics	USG 7682XF	XtendFlex	6.8	25.4%
HISOY	H569F41	XtendFlex	6.9	7.1%	Seedway	SX 6844XTF	XtendFlex	6.5	21.7%
NC Foundation Seed Producers	NC Dunphy	Conventional	6	4.9%	University of Georgia	G21-7076	Conventional	6	19.1%
Asgrow - Bayer Crop Science	AG69XF0	XtendFlex	6.9	4.2%	Pioneer	P68A41BE	Enlist	6.8	7.4%
UniSouth Genetics	USG 7682XF	XtendFlex	6.8	3.8%	Syngenta - NK	NK63-U7XF	XtendFlex	6.3	4.1%
Pioneer	P68A41BE	Enlist	6.8	3.4%	Dyna-Gro	S67XF34S	XtendFlex/STS	6.7	2.8%
Revere Seed	Revere 62-F24	XtendFlex	6.8	1.1%					
Group VII and VIII Full Season					Group VII and VIII Double Crop				

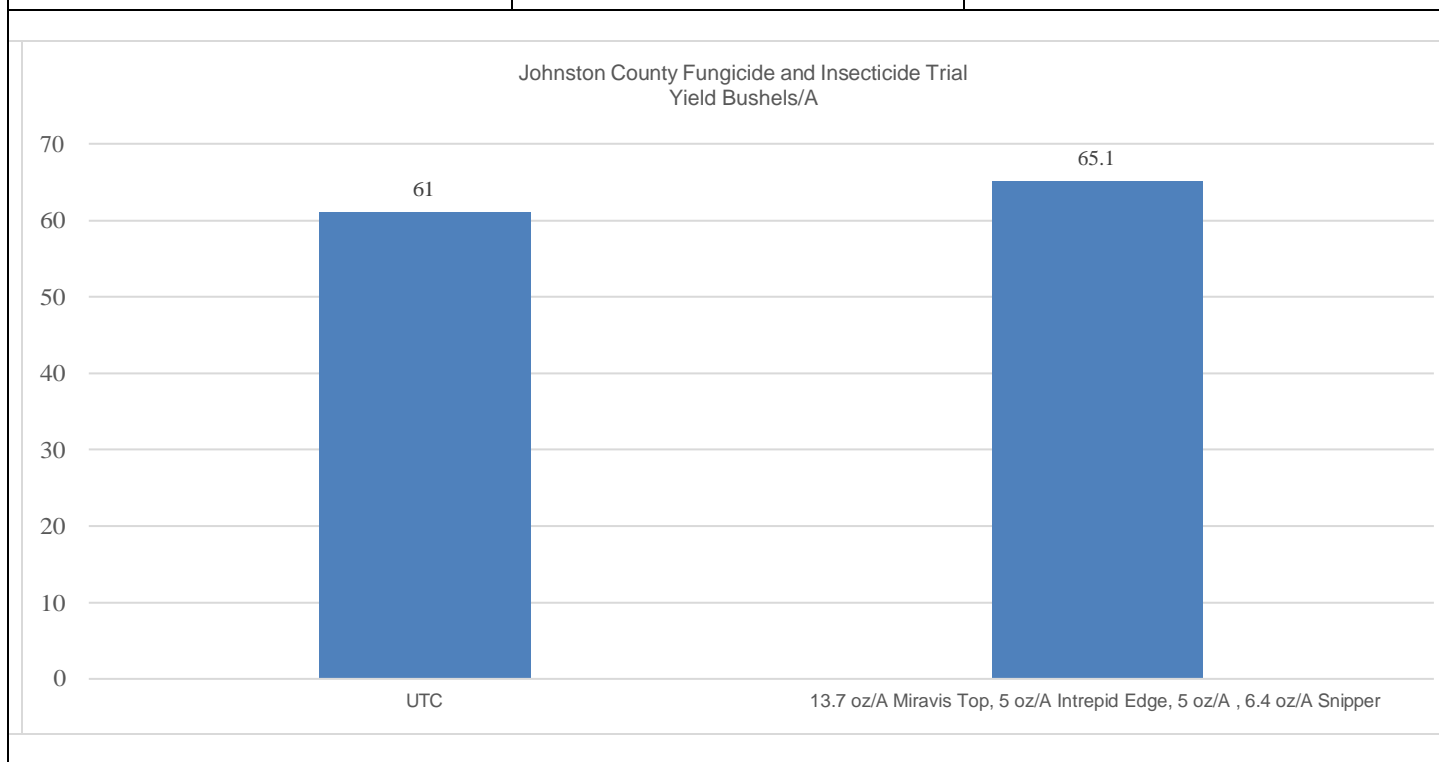
Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain	Company/Brand	Variety	Trait	Relative Maturity	Coastal Plain
Dyna-Gro	S71XF93	XtendFlex	7.1	11.2%	Dyna-Gro	S71XF93	XtendFlex	7.1	7.8%
INTEGRA	XF7223	XtendFlex	7.2	10.5%	INTEGRA	XF7223	XtendFlex	7.2	6.3%
INTEGRA	XF7062	XtendFlex	7	2.0%	Asgrow - Bayer Crop Science	AG71XF2	XtendFlex	7.1	3.2%
					INTEGRA	XF7062	XtendFlex	7	1.0%
					StineSeed	77EA40	Enlist	7.7	0.8%

Soybean Indeterminate vs. Determinate Trial

Methodology	Results	Results
<ul style="list-style-type: none"> A total of 4 pairs of strips (replicates) were planted and harvested One indeterminate variety (DM55F62) treatment One determinate variety (AG56XF2) treatment Standard grower management practices were used 	<p>Full Season-There were no significant differences in yield between indeterminates and determinates Ind-50.3 Bushels/A Det-50.1 Bushels/A</p> <p>Coastal Plain Trials- There were no significant differences in yield between indeterminates and determinates Ind-51.6 Bushels/A Det-53.3 Bushels/A</p>	<p>Double Crop-There were no significant differences in yield between indeterminates and determinates Ind-55.6 Bushels/A Det-56.5</p> <p>More locations and data will be forthcoming</p>

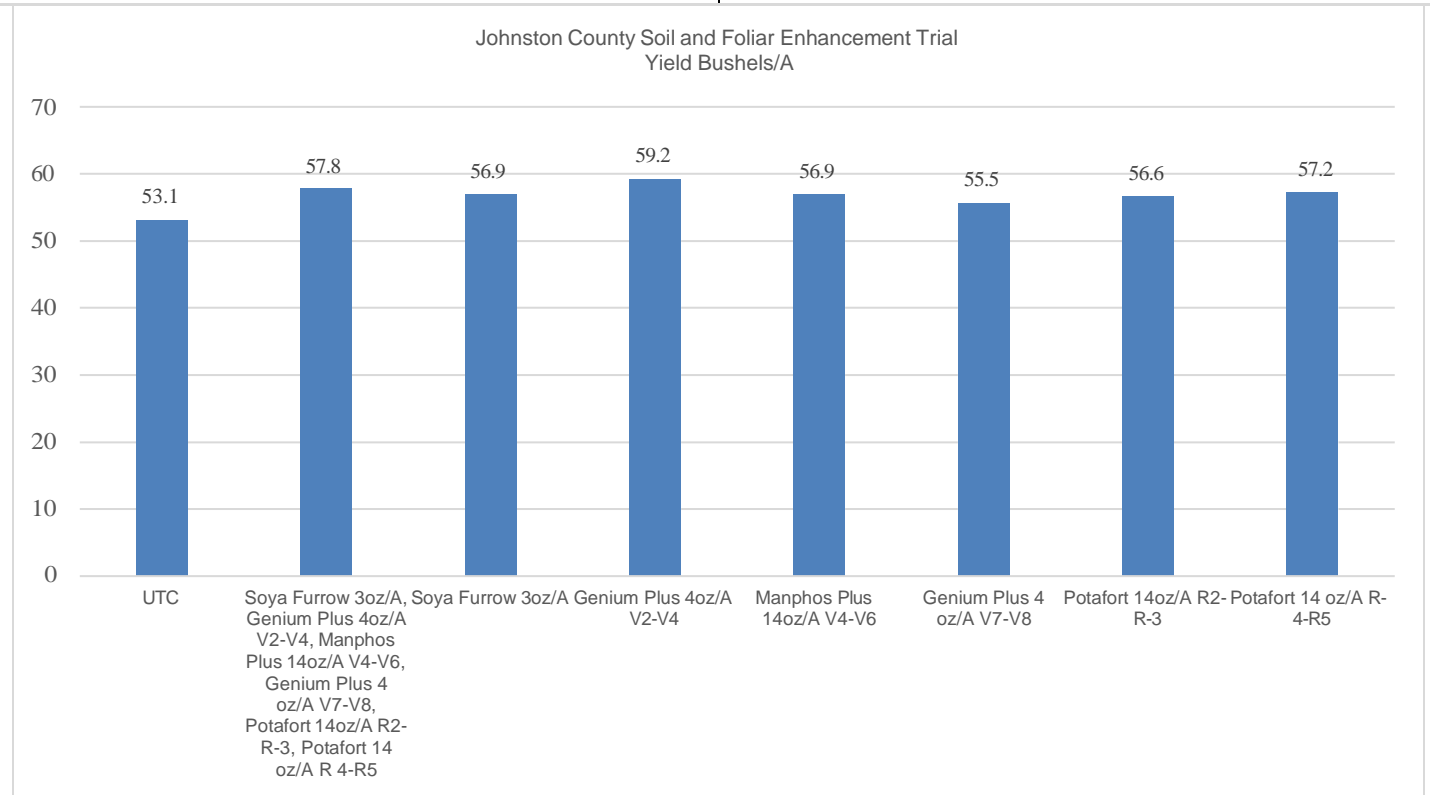
Soybean Fungicide and Insecticide Trial

Methodology	Treatments	Results
<ul style="list-style-type: none"> A total of 4 pairs of strips (replicates) were sprayed and harvested Applications were timed at R3 Stink bugs, Corn earworms, and Soybeans Loopers were evaluated before application and 1 and 2 weeks after application 	<ul style="list-style-type: none"> Miravis Top 13.7 ounces/A Intrepid Edge 5 ounces/A Bifenthrin 6.4 ounces/A Cost of Treatment \$34.60/A Application Cost \$10.00/A Total \$44.60 	<ul style="list-style-type: none"> UTC-61.0 Bushels/A Treated 65.1 Bushel/A 4.1 bushel/A increase \$9.95/bushel = \$40.80 increase/A in gross profit Net Profit = - \$3.80/A



Soybean In-furrow and Foliar Feed Trial

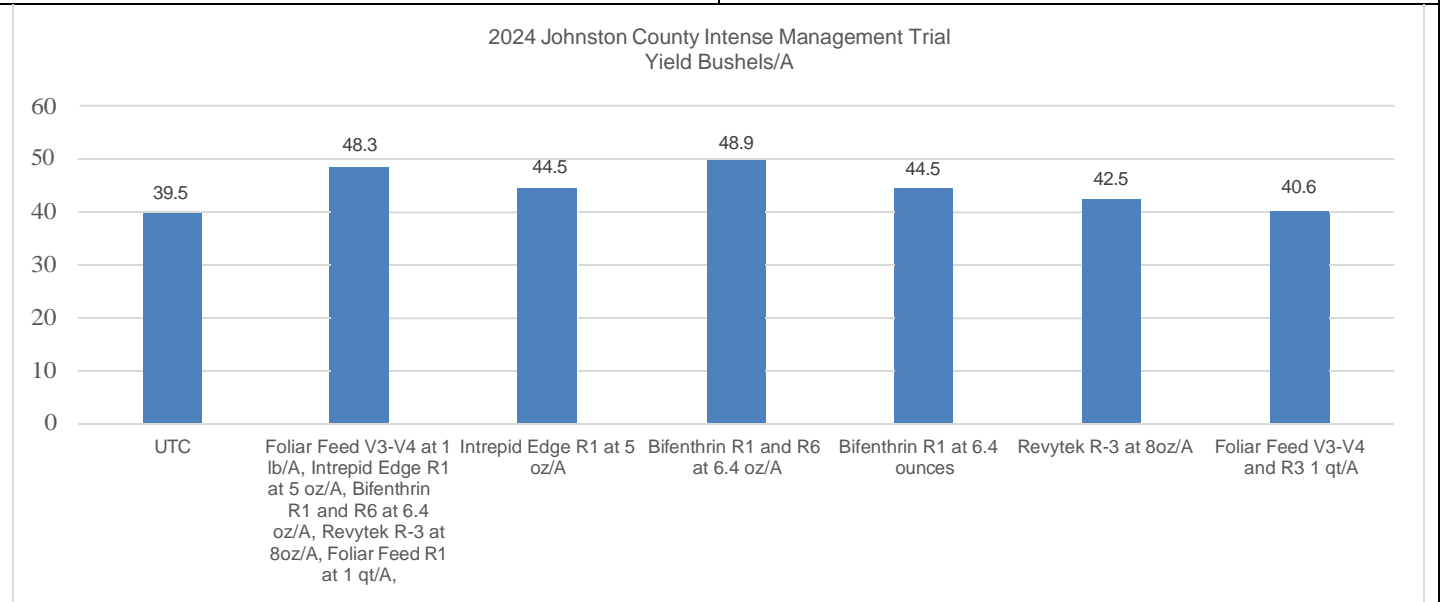
Methodology	Treatments and Timings
<ul style="list-style-type: none"> 12-20 inch rows X 100 ft plots Stine 77EA40 planted at 140,000 plants/A 8 treatments, replicated 4 times, Randomized Complete Block Design Soil samples from each plot were pulled at planting Tissue Samples were pulled before the first foliar feed timing Applications were made at the timings according to treatments 20 gallons/A Fungicide and Insecticides were applied at R3 to all plots Weed Control applied by the grower The grower applied 100 lbs. of 0-0-60 and .36 tons of lime per soil report Soil report pH ranged from 5.5-5.9 	<ol style="list-style-type: none"> 1. UTC 2. Soya Furrow 3 oz/A, Genium Plus 4 oz/A at V2-V-4 and V7-V8, Manphos 14 oz/A V4-V6, and Potafort 14 ounces/A at R2-R3 and R4-R5 3. Soya Furrow 3oz/A in-furrow at Planting, 4. Genium Plus 4oz/A V2-V3 5. Manphos Plus 14oz/A V4-V6 6. Genium Plus 4oz/A V2-V6 7. Potafort 14 oz/a R2-R3 8. Potafort 14 oz/a R4-R5 <p>Products provided by Forquimca Corp USA Soil type is a Norfolk and Appling Marlboro with a realistic yield expectation for double-crop soybeans of 35 and 42 bushels/A, respectively.</p>



Results	Product Cost
<p>There were no significant differences in yield between the treatments. Numerical yield increases were observed with all of the treatments ranging from 2.39 to 6.06 BPA. Tissue samples indicated sufficient nutrient ranges for P and K and most all other nutrients. S was deficient in almost all samples pulled before the first foliar feed. Due to dry weather that had persisted for several weeks before and after planting (.5 inches in 42 days), stand counts ranged from 104,000 to 139,000 plants/A. As with past trials, foliar products work when there is a major nutrient deficiency. More work is needed with the products to determine their benefits to a soybean crop.</p>	<p>Soya Furrow 3 oz/A, Genium Plus 4 oz/A at V2-V-4 and V7-V8, Manphos 14 oz/A V4-V6, and Potafort 14 ounces/A at R2-R3 and R4-R5 \$25.83/A Soya Furrow 3oz/A in-furrow at Planting,\$1.64/A Genium Plus 4oz/A V2-V3 \$5.33/A Manphos Plus 14oz/A V4-V6 \$3.93/A Genium Plus 4oz/A V2-V6 \$5.33/A Potafort 14 oz/a R2-R3 \$4.80/A Potafort 14 oz/a R4-R5 \$4.80/A Cost does not include application cost</p>

Soybean Intense Management Trial

Methodology	Treatments and Timings
<ul style="list-style-type: none"> • 6-30 inch rows X 100 ft plots Dynagro S68XF41 • Soybeans replanted 7/15 after wheat • 7 treatments, replicated 4 times, Randomized Complete Block Design • Soil samples from each plot were pulled at planting • Weekly Scouting from V3 • Tissue Samples were pulled before the first foliar feed timing and the last foliar timing • Applications were made at the timings according to treatments • 20 gallons/A • Weed Control applied by the grower • R3- was 9/5/2024 	<ol style="list-style-type: none"> 1. UTC 2. Brandt Smart KB 1 qt/A at V3 and R3, Intrepid Edge at 5 ounces/A at R3, Revytek at 8 ounces/A at R3 Sniper (Bifenthrin) at 6.4 ounces/A at R3 and R5 3. Intrepid Edge at 5 ounces/A at R3 4. Sniper (Bifenthrin) at 6.4 ounces/A at R3 and R5 5. Sniper (Bifenthrin) at 6.4 ounces/A at R3 6. Revytek at 8 ounces/A at R3 7. Brandt Smart KB 1 qt/A at V3 and R3 <p>Soil type is a Rains and Norfolk, with a realistic yield expectation for double-crop soybeans of 37 and 35 bushels/A, respectively.</p>



- When applied as needed on Time!
- Revytek – 3 bushel/A increase (some disease, but relatively low numbers)
- 2 applications of Bifenthrin – 9.4 bushel/A increase due to stinkbug control compared to a 5 bushel/A increase with one application.
 - Stink bug numbers went above threshold on 9/19 and 9/26 (Second Spray 10/1/2024) (\$27.20/A treatment cost and \$64.92/A return)
- Intrepid Edge – 5 bushel/A increase due to lower pod damage. Corn earworm went above threshold on 9/5/2024 (2024 was a medium pressure year)
- Foliar feed – 1.1 bushel/A increase compared to check
 - Based on tissue results an across the board foliar feed was not needed. Nutrient levels were sufficient at V3-V4 and R3
- All Treatments – 8.8 bushel/A increase (\$79.20/A treatment cost and \$7.04/A return)
 - Most likely due to pod protection and retention from the fungicide and insecticide treatments.
- Data showed that in 2024, scouting and timely applications could increase net profits by \$10-\$65/A.

I hope everyone has a Wonderful New Year, and we look forward to serving each one of you

Tim Britton
Extension Agent - Agriculture