

NC STATE

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Agricultural News From Craven County Extension

1 message

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To: cmcarro2@ncsu.edu

NC STATE EXTENSION

NC Cooperative Extension, Craven Center

Agricultural Update

January 2023

In this Newsletter.....**Upcoming Events****Private Applicator Safety Trainings****Gramoxone Recertification or Certification****Early Planted, Early Maturing Soybeans Rule!****Crop Comparison Tool****Welcome Brooke Zeleny**

Important Note: Registration deadline for events listed below will vary from as few as 24 hours prior the event to as much as 3-4 days prior the event so please register as much in advance as possible. Also, while attendance is open to anyone, meals, when served, will only be provided for those that register in advance.

UPCOMING EVENTS

Sesame Seed Production – On January 24, 2023 beginning at 9 AM via Zoom, NC faculty and industry representatives will present information on sesame production. As noted in past newsletters, this crop appears easy to grow, has low production cost, is a great rotation crop, and has a high demand. Profit is readily made but there are some considerations such as planting/harvest dates, equipment needs, and contracts that need to be evaluated. To view this meeting, register on Eventbrite [HERE](#)

We will be glad to reserve the Craven County Agricultural Building auditorium to broadcast this Zoom meeting on a large screen for those that wish to attend in this manner. If this is your choice, after registration, email me directly by January 20th. (If nobody has registered by this date, equipment and the room will not be reserved).

North Carolina Commodities Conference – This event will host all commodities January 11-13, 2023 at the Imperial Hotel [4700 Emperor Blvd, Durham, NC 27703](#) (Phone: 919-941-5050). Topics presented include production, marketing, economic, and comments from Commissioner of Agriculture, Steve Troxler. Register [HERE](#)
To download the conference schedule, agenda and other information, click [HERE](#)

Auxin Trainings – Auxin trainings will be available via Zoom provided by NC State faculty. All meetings will begin at 8:30 AM. One (1) NCDA & CS pesticide credit will be applied to the email and NC Pesticide license number used when registering. Obtain the password by emailing a NC Cooperative Extension Agent working with field crop production after registration. Click [HERE](#) to register: (Please request the password in advance of the meetings. For security reasons, the password is stored within the office and we have many meetings and events

during January -March away from our office. Waiting until the day before or the day of the meeting to obtain a password may result in the inability to obtain the password)

	Date	Time	Day of week
1	January 19	8:30 AM	Thursday
2	February 14	8:30 AM	Tuesday
3	February 22	8:30 AM	Wednesday
4	March 14	8:30 AM	Tuesday
5	March 29	8:30 AM	Wednesday

If these dates are not convenient, manufacturers of the products will also provide self-learning modules, webinars and other sessions. Read more in the article, [2023 Auxin Training](#).

Agricultural Community QPR for Farmers and Farm Families – This Zoom training scheduled for January 18, 2023 at 1 PM (12 PM Central) targets farmers and farm families to learn the "QPR" method of identifying and responding to mental health crises on the farm. To attend this training participants must be 18 years of age or older. In this 1.5-hour QPR training, we will provide information on the unique challenges farmers face that can lead to stress, depression, and suicide. The meeting will aid participant's ability to provide aid with someone at risk for suicide as well as providing information on how to help someone at risk of suicide. Registration [HERE](#).

CPR & AED Training for Farmers and Farmworker – This CPR certification course is OSHA-compliant and will cover adult CPR and AED use. Participants that complete the course will be issued a digital certification card that is valid for 2 years. Space for this training is limited to 12 participants per class. A waitlist will be available on a first-come, first-serve basis. For more information about the event or to schedule an on-farm training, email Alyssa Spence at arramsey@ncsu.edu or call 252.527.2191. [REGISTER HERE](#)

US Flue-Cured Tobacco Production and GAP Recertification - On February 1, 2023 in cooperation with GAP Connections, NC Extension will provide tobacco production update and GAP Recertification. Registration begins at 9 with presentation scheduled to begin at 9:30 am. GAP Connections, US Department of Labor and NC State faculty will present presentations from 9:30 until noon. A meal will follow. Registration limited to the first 60. Register [HERE](#).

Area Corn & Soybean Production – On February 15, 2023, beginning at 10 AM, various NC State faculty will present agronomic and pest management updates for corn and soybean production as outlined below. NCDA & CS pesticide credits of 2.0 hours for N, O, D & X have been applied. Registration is via Eventbrite [HERE](#)
Tentative Schedule:

10 am-12 pm	Dr. Chad Poole (Water Resiliency Specialist), Dr. Rachel Vann (Soybean Specialist), Dr. Charlie Cahoon (Weed Specialist Corn)
12 - 1 pm	Meal and Sponsor Comments
1 - 3 pm	Dr. Ron Heiniger (Corn Specialist), Ryan Heiniger (OVT Coordinator), Insect Management TBD

Cotton Production Updates - On February 14, 2023 beginning with a noon meal, NC State faculty will provide updates on cotton management at the Jones County Civic Center [832 North Carolina Highway 58 Trenton, NC 28585](#). Two hours of pesticide credits will apply. Click [HERE](#) to register.

NC Cooperative Extension Communication & Cash – Immediately following the cotton meeting on February 14, 2023 (aiming for 3 pm), help us improve Extension communication and win up to \$150 cash! Dr. Dominic Reisig, NC State Entomology will provide an hour presentation and interactive activity. Participants will win prizes. One is eligible if you: 1) help in farm financial planning, 2) select corn seed for the farm, 3) farm in areas with historical drainage issues. Call our office at 252-633-1477 to register.

- If you desire other meetings or similar meetings in other counties, all meetings, field days, commodity events, etc. within the state are listed [HERE](#)
- If you would rather obtain NCDA & CS pesticide credits online, click [HERE](#)

Private Applicator Safety Training

For those whose Private Applicator license expires in 2023 that need the two-hour Safety Training, (Category V) credits, plan to attend one of the classes below. Those within Craven

will be held in the auditorium of the Craven County Agricultural Building, 300 Industrial Drive, New Bern, NC and those within Carteret will be held on the 3rd floor of the CMAST Building, (303 College Circle, Morehead City, NC). In the event of changes due to adverse weather, information will be posted to NC Extension websites.

2023 Private Applicator Safety Classes (Category V)

DATE	TIME	Location*	Registration Limit & Deadline	
Tuesday, January 31	2 pm – 4 pm	Carteret	20	Jan. 28th
Registration Link: https://ncextension.lt.acemltna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZ3d3cuZXZlbnRicml0ZS5jb20IMkZIJTJGNDkxODYzMDA0NDg3&sig=GPN3vGhiGbeCvgB6YmScF55ntsfAPSk2AorJPAssVSpM&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNNPm9aw%2FybGQOFR3meOdmxXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A128562				
Monday, February 6	10 am – 12 pm	Carteret	20	Feb. 4th
Registration Link: https://ncextension.lt.acemltna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZ3d3cuZXZlbnRicml0ZS5jb20IMkZIJTJGNDkxODY2NTc1MTY3&sig=8fG7RtFE57yr9zAgoHJ6dvEJb9FoZKApf1N6g35VESji&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNNPm9aw%2FybGQOFR3meOdmxXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A128563				
Wed. February 8	9 am – 11 am	Craven	40	Feb 7th
Registration Link: https://ncextension.lt.acemltna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZ3d3cuZXZlbnRicml0ZS5jb20IMkZIJTJGNDkwMDU4MDc1ODk3&sig=3cgPwoq4ZzyWXPzVq65opA272kAYN54zEgUTQLe9wBd6&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNNPm9aw%2FybGQOFR3meOdmxXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A128564				
Thurs. February 23	2 pm – 4 pm	Craven	40	Feb 21st
Registration Link: https://ncextension.lt.acemltna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZ3d3cuZXZlbnRicml0ZS5jb20IMkZIJTJGNDkwMDU4MzY2NzY3&sig=9pRpG7rtDKDdYv4D9SJmWLYNPnpWnFHpr1h626Vc3bR&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNNPm9aw%2FybGQOFR3meOdmxXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A128565				
Friday, March 3	3 pm – 5 pm	Craven	40	March

2nd

Registration Link: <https://ncextension.it.acemlna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZ3d3cuZXZlbnRicml0ZS5jb20IMkZIJTJGNDkwMDU4NTY3MzY3&sig=4Lu67p8FdvjffSpkph8WgrpEvBWJmM E6RT2jRMZ2xahE&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNNPm9aw%2FybGQOFR3meOdmxXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A128566>

*Updates, registration links, inclement weather announcements, or other information will be posted at both Craven and Carteret Extension webpages. **Soil Fumigation** credit for 1.0 hours is available with advance notice.*

Gramoxone Recertification or Certification

The current regulations requires training for anyone hauling, handling, storing, or applying Gramoxone and generic equivalent products. This certification is for a three year cycle. Since this is an EPA requirement, neither the NCDA & CS nor NC Extension has a record of when you need to recertify. As such, it seems logical to simply obtain and /or recertify this training the same year as your Private Pesticide Applicator's license.

If you have taken the training but no longer have the required certificate or documentation, to be quite blunt, it is easier and quicker to simply take the course again. As stated earlier, only the EPA has a record of your course completion. The NCDA & CS Pesticide Division can request the information from the EPA but the information provided to them by the EPA is pages and pages of pesticide numbers in order of course completion. This whole process may take a few weeks to a month.....or more.

The easiest training available is online at www.usparaquattraining.com. One will need to register on the site, watch a 45-minute video presentation, and complete a quiz. A score of 100 is necessary to obtain the certificate (For those concerned, there is unlimited attempts to make 100 on the quiz).

Early Planted, Early Maturing Soybeans Rule!

While climatic factors are often indeed the determining factor for yield within Eastern North Carolina, the weather and climate conditions are beyond an agricultural producer's control. However, two significant factors of soybean yield that agricultural producers can control are the selection of variety and planting date.

NC State research has repeatedly enforced that earlier planting is not only possible, but prudent. And, to be clear, these replicated studies have begun planting in mid-March. As such, each grower should evaluate planting practices to plan for early planting of soybean if high yield is desired. All full season soybeans should be targeted to be planted by early May.

The chart below shows the yield range and average yield for 2022 soybean trials. Note that both these metrics decrease as soybean maturity increases. While early planted, early maturity soybeans indeed have greater yield potential, it should be noted that they should be harvested timely too. If you did not achieve 70+ bu/ac soybeans in 2022, consider changing your variety and planting date. Read more about this as well as how soybean maturity groups compare at yield between 70-80 bu/ac at [Early Soybean Maturity Groups Have Greater Yield Potential](#).

Maturity Group	Yield (bu/ac)	
	Range	Average
4	73-90	82
5	61-84	74
6	62-74	68
7	55-70	65

Crop Comparison Tool

Estimation of crop expense can vary for each producer. This will be even more true in 2023 since many factors may influence costs. As such, we suggest you develop a budget for each crop. Utilize break-even chart and figures to track how changes impact potential profit. Lastly, don't assume the crops you intend to grow will be the most profitable. Rather compare them with the [NCSU Crop Comparison Tool](#). Below are some examples of this tool.

Examine the two proposed budgets with varying yields below. First realize that at higher yields, all crops provide a profit. As such, examine other factors such as the break-even yield. For corn production sold at \$7.03, the break-even yield is 107 bu/ac. For a yield of 133 bu/ac the break-even price is \$5.64/bu. Using a similar comparison for all other crops, all the projected information has a high probability of occurrence. However, note that while cotton's total production cost is among the higher of the crops total cost, the return is less. Thus, unless one anticipates higher cotton prices or is capable of higher cotton yield or reduced production costs, fewer production acres of cotton is a consideration.

Commodity, Price/Unit and Yield	Variable Cost	Total Cost	Return/ac	Break Even Yield	Break Even Price
Corn @ 133 bu/ac sold at \$7.03/bu	\$700.41	\$750.16	\$184.83	107	\$5.64
Soybean at 44 bu/ac sold at \$13.80	\$418.15	\$472.82	\$134.38	34	\$10.75
Cotton at 1200 lbs/ac sold at \$0.78/lb	\$829.72	\$947.47	\$118.13	1233	\$0.67
Peanut at 4800 lbs/ac sold at \$0.24/lb	\$886.49	\$1,009.82	\$142.18	4208	\$0.21
Tobacco at 2200 lbs/ac sold at \$1.93/lb	\$3,006.95	\$3,721.65	\$524.35	1928	\$1.69

Now consider the same information with lower yields. In this example, cotton and peanut shows a loss. Too, while corn and soybean are still profitable, the difference between profit and loss is only a bushel or two. So, there is little room for any additional crop production inputs to the proposed budget. Note too, that at lower yield, the break-even prices is now higher. So keep in mind that historically, adverse weather usually negatively impacts at least one crop that we grow. Too, historically corn prices decline sharply after planting season. Aim to manage these negative consequences to keep losses to a minimum.

Commodity, Price/Unit and Yield	Variable Cost	Total Cost	Return/ac	Break Even Yield	Break Even Price
Corn @ 109 bu/ac sold at \$7.03/bu	\$700.41	\$750.16	\$16.11	107	\$6.88
Soybean at 35 bu/ac sold at \$13.80	\$418.15	\$472.82	\$10.18	34	\$13.51
Cotton at 1025 lbs/ac sold at \$0.78/lb	\$808.72	\$926.47	(\$16.27)	1204	\$0.78
Peanut at 4100 lbs/ac sold at \$0.24/lb	\$886.49	\$1,009.82	(\$25.82)	4208	\$0.25
Tobacco at 2000 lbs/ac sold at \$1.93/lb	\$3,006.95	\$3,721.65	\$138.35	1928	\$1.86

Lastly, one critical point all this data shows is that one must examine every production input. If the input is not providing profit, it is worthless. While one can increase yield with multiple means, doing so without adding profit is devastating. This is especially true during adverse conditions for crop growth when yield is lower than desired. Similarly, unrealistic production goals can be devastating. As example, note that corn production of

120 bu/ac sold at \$6.25/bu has no profit.....nothing.....zilch! The investment of over \$700/ac should have been spent elsewhere!

Hopefully, this information aids in making decisions for production. If you would like assistance entering **your data** into the budget for a more accurate assessment, simply call or email our office for an appointment. We will be glad to enter your data for similar analysis.

We've entered some estimation into this tool. Realize the numbers are simply an estimation. Your actual cost may be higher or lower.

Budget Comparison 2023 Market Conditions With Given Yields						
Enter Average Land Rent Value Here	100					
	Corn	Soybean	Cotton	Peanuts	Tobacco	Sweet Potatoes
2023 ESTIMATED GROSS RECEIPTS						
Yield (bu/acre) ¹	133	44	--	--	--	370.00
Yield (lbs./acre)--Cotton, Peanuts and Tobacco	--	--	1,200	4,800	2,200	--
Yield (lbs./acre)--Cotton Seed	--	--	1,440	--	--	--
Price (New Crop Futures Price from CME & NYBOT 10/19/2021) or contract price	\$6.45	\$13.60	\$0.80	\$0.24	\$1.93	\$9.00
Cotton Seed	--	--	\$0.09	--	--	--
Current New Crop Basis	\$0.58	\$0.20	(\$0.02)	\$0.00	\$0.00	\$0.00
EXPECTED NET PRICE (New Crop Futures + Basis) ²	\$7.03	\$13.80	\$0.78	\$0.24	\$1.93	\$9.00
Gross Revenue	\$934.99	\$607.20	\$1,065.60	\$1,152.00	\$4,246.00	\$3,330.00
Budgeted Yield/5yr State Aver	106%	119%	136%	118%	114%	99%
2021 ESTIMATED VARIABLE EXPENSES ¹						
SEED or TRANSPLANTS	\$ 96.87	\$ 61.20	\$ 115.14	\$ 106.25	\$ 240.00	\$ 500.00
MULTIPURPOSE FUMIGATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 147.06
INOCULANT	\$ -	\$ -	\$ -	\$ 7.20	\$ -	\$ -
FERTILIZER						
NITROGEN 30%	\$ 137.18	\$ -	\$ 60.00	\$ -		\$ -
24S LIQUID	\$ -	\$ -	\$ -	\$ -	\$ 17.81	\$ 60.80
DAP (18-46-0)	\$ 43.20	\$ -	\$ 43.20	\$ -	\$ -	\$ -
0-0-50 POTASSIUM SULFATE	\$ -	\$ -	\$ -	\$ -	\$ 124.88	\$ -
15.5-0-0	\$ -	\$ -	\$ -	\$ -	\$ 144.02	\$ -
PHOSPHATE (0-46-0)	\$ -	\$ -	\$ -	\$ 12.48	\$ -	\$ 14.95
POTASH (0-0-60)	\$ 65.00	\$ 85.00	\$ 65.00	\$ 65.00	\$ -	\$ 33.60
BORON	\$ -	\$ -	\$ 4.05	\$ 4.05	\$ -	\$ -
MANGANESE	\$ -	\$ -	\$ -	\$ 2.27	\$ -	\$ -
SULFUR	\$ -	\$ -	\$ 2.80	\$ -	\$ -	\$ -
LIME (PRORATED)	\$ 22.03	\$ 22.03	\$ 22.03	\$ 22.03	\$ 22.03	\$ 17.99
GYP SUM (SPREAD)	\$ -	\$ -	\$ -	\$ 32.66	\$ -	\$ -
HERBICIDES	\$ 44.72	\$ 46.10	\$ 63.07	\$ 63.08	\$ 54.41	\$ 51.00
FUNGICIDES	\$ -	\$ 14.60	\$ -	\$ 89.50	\$ 104.77	\$ -
NEMATICIDES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54.14
INSECTICIDES	\$ -	\$ -	\$ 36.54	\$ 16.39	\$ 73.02	\$ 43.88
SUCKER CONTROL	\$ -	\$ -	\$ -	\$ -	\$ 187.53	\$ -
GROWTH REG. & DEFOLIANTS	\$ -	\$ -	\$ 21.30	\$ 48.94	\$ -	\$ -
SURFACTANT	\$ 3.27	\$ 1.58	\$ 6.06	\$ 9.68	\$ 20.99	\$ -
AERIAL APPLICATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DRYING	\$ 42.00	\$ -	\$ -	\$ 89.82	\$ -	\$ -
HAULING	\$ 70.00	\$ 10.40	\$ -	\$ 23.95	\$ 125.00	\$ -
ELECTRICITY	\$ -	\$ -	\$ -	\$ -	\$ 126.40	\$ -
CURING FUEL	\$ -	\$ -	\$ -	\$ -	\$ 357.50	\$ -
COVER CROP	\$ -	\$ -	\$ -	\$ -	\$ 25.00	\$ 50.00
BAILING SUPPLIES	\$ -	\$ -	\$ -	\$ -	\$ 7.50	\$ -
STATE CHECK-OFF FEE (PEANUTS)	\$ -	\$ -	\$ -	\$ 6.00	\$ -	\$ -
NATIONAL ASSESMENT (PEANUTS)	\$ -	\$ -	\$ -	\$ 8.13	\$ -	\$ -
TRACTOR/MACHINERY	\$ 21.44	\$ 25.41	\$ 49.98	\$ 61.96	\$ 219.31	\$ 88.53
LABOR	\$ 23.06	\$ 23.06	\$ 35.35	\$ 58.16	\$ 886.90	\$ 242.38
HARVEST COST****	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555.00
STORAGE COST****	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 370.00
SCOUT	\$ 12.00	\$ 12.00	\$ 26.00	\$ 22.00	\$ 20.00	\$ 20.00
LAND RENT	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
GINNING**	\$ -	\$ -	\$ 144.00	\$ -	\$ -	\$ -
CROP INSURANCE***	\$ 16.00	\$ 14.60	\$ 30.00	\$ 30.00	\$ 120.00	\$ 130.00
INTEREST ON OP. CAP.	\$ 3.64	\$ 2.17	\$ 5.20	\$ 6.94	\$ 29.88	\$ 35.01
Total Variable Costs	\$700.41	\$418.15	\$829.72	\$886.49	\$3,006.95	\$2,514.34
Return above Variable Costs	\$234.58	\$189.05	\$235.88	\$265.51	\$1,239.05	\$815.66
2022 ESTIMATED FIXED EXPENSES						
*TRACTOR/MACHINERY	\$49.75	\$54.67	\$117.75	\$123.33	\$405.12	\$88.53
Bulk Barn, Tobacco Loading system, Bailer, H2A overhead (for tobacco only)			-	-	\$309.58	-
-----FARM OVERHEAD IS INCLUDED ON THE CROP AND FARM SUMMARY SHEET-----						
Total Fixed Costs	\$49.75	\$54.67	\$117.75	\$123.33	\$714.70	\$88.53
Total Cost	\$750.16	\$472.82	\$947.47	\$1,009.82	\$3,721.65	\$2,602.87
NET RETURNS TO FARMER AND RISK:	\$184.83	\$134.38	\$118.13	\$142.18	\$524.35	\$727.13
Break Even Yield	107	34	1233	4208	1928	289
Break Even Price	\$5.64	\$10.75	\$0.67	\$0.21	\$1.69	\$7.03

Budget Comparison 2023 Market Conditions With Given Yields						
Enter Average Land Rent Value Here	100					
	Corn	Soybean	Cotton	Peanuts	Tobacco	Sweet Potatoes
2023 ESTIMATED GROSS RECEIPTS						
Yield (bu/acre) ¹	109	35	--	--	--	300.00
Yield (lbs./acre)--Cotton, Peanuts and Tobacco	--	--	1,025	4,100	2,000	--
Yield (lbs./acre)--Cotton Seed	--	--	1,230	--	--	--
Price (New Crop Futures Price from CME & NYBOT 10/19/2021) or contract price	\$6.45	\$13.60	\$0.80	\$0.24	\$1.93	\$9.00
Cotton Seed	--	--	\$0.09	--	--	--
Current New Crop Basis	\$0.58	\$0.20	(\$0.02)	\$0.00	\$0.00	\$0.00
EXPECTED NET PRICE (New Crop Futures + Basis) ²	\$7.03	\$13.80	\$0.78	\$0.24	\$1.93	\$9.00
Gross Revenue	\$766.27	\$483.00	\$910.20	\$984.00	\$3,860.00	\$2,700.00
Budgeted Yield/5yr State Aver	87%	95%	116%	101%	104%	81%
2021 ESTIMATED VARIABLE EXPENSES ¹						
SEED or TRANSPLANTS	\$ 96.87	\$ 61.20	\$ 115.14	\$ 106.25	\$ 240.00	\$ 500.00
MULTIPURPOSE FUMIGATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 147.06
INOCULANT	\$ -	\$ -	\$ -	\$ 7.20	\$ -	\$ -
FERTILIZER						
NITROGEN 30%	\$ 137.18	\$ -	\$ 60.00	\$ -		\$ -
24S LIQUID	\$ -	\$ -	\$ -	\$ -	\$ 17.81	\$ 60.80
DAP (18-46-0)	\$ 43.20	\$ -	\$ 43.20	\$ -	\$ -	\$ -
0-0-50 POTASSIUM SULFATE	\$ -	\$ -	\$ -	\$ -	\$ 124.88	\$ -
15.5-0-0	\$ -	\$ -	\$ -	\$ -	\$ 144.02	\$ -
PHOSPHATE (0-46-0)	\$ -	\$ -	\$ -	\$ 12.48	\$ -	\$ 14.95
POTASH (0-0-60)	\$ 65.00	\$ 85.00	\$ 65.00	\$ 65.00	\$ -	\$ 33.60
BORON	\$ -	\$ -	\$ 4.05	\$ 4.05	\$ -	\$ -
MANGANESE	\$ -	\$ -	\$ -	\$ 2.27	\$ -	\$ -
SULFUR	\$ -	\$ -	\$ 2.80	\$ -	\$ -	\$ -
LIME (PRORATED)	\$ 22.03	\$ 22.03	\$ 22.03	\$ 22.03	\$ 22.03	\$ 17.99
GYPSUM (SPREAD)	\$ -	\$ -	\$ -	\$ 32.66	\$ -	\$ -
HERBICIDES	\$ 44.72	\$ 46.10	\$ 63.07	\$ 63.08	\$ 54.41	\$ 51.00
FUNGICIDES	\$ -	\$ 14.60	\$ -	\$ 89.50	\$ 104.77	\$ -
NEMATICIDES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54.14
INSECTICIDES	\$ -	\$ -	\$ 36.54	\$ 16.39	\$ 73.02	\$ 43.88
SUCKER CONTROL	\$ -	\$ -	\$ -	\$ -	\$ 187.53	\$ -
GROWTH REG. & DEFOLIANTS	\$ -	\$ -	\$ 21.30	\$ 48.94	\$ -	\$ -
SURFACTANT	\$ 3.27	\$ 1.58	\$ 6.06	\$ 9.68	\$ 20.99	\$ -
AERIAL APPLICATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DRYING	\$ 42.00	\$ -	\$ -	\$ 89.82	\$ -	\$ -
HAULING	\$ 70.00	\$ 10.40	\$ -	\$ 23.95	\$ 125.00	\$ -
ELECTRICITY	\$ -	\$ -	\$ -	\$ -	\$ 126.40	\$ -
CURING FUEL	\$ -	\$ -	\$ -	\$ -	\$ 357.50	\$ -
COVER CROP	\$ -	\$ -	\$ -	\$ -	\$ 25.00	\$ 50.00
BAILING SUPPLIES	\$ -	\$ -	\$ -	\$ -	\$ 7.50	\$ -
STATE CHECK-OFF FEE (PEANUTS)	\$ -	\$ -	\$ -	\$ 6.00	\$ -	\$ -
NATIONAL ASSESMENT (PEANUTS)	\$ -	\$ -	\$ -	\$ 8.13	\$ -	\$ -
TRACTOR/MACHINERY	\$ 21.44	\$ 25.41	\$ 49.98	\$ 61.96	\$ 219.31	\$ 88.53
LABOR	\$ 23.06	\$ 23.06	\$ 35.35	\$ 58.16	\$ 886.90	\$ 242.38
HARVEST COST****	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450.00
STORAGE COST****	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300.00
SCOUT	\$ 12.00	\$ 12.00	\$ 26.00	\$ 22.00	\$ 20.00	\$ 20.00
LAND RENT	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
GINNING**	\$ -	\$ -	\$ 123.00	\$ -	\$ -	\$ -
CROP INSURANCE***	\$ 16.00	\$ 14.60	\$ 30.00	\$ 30.00	\$ 120.00	\$ 130.00
INTEREST ON OP. CAP.	\$ 3.64	\$ 2.17	\$ 5.20	\$ 6.94	\$ 29.88	\$ 35.01
Total Variable Costs	\$700.41	\$418.15	\$808.72	\$886.49	\$3,006.95	\$2,339.34
Return above Variable Costs	\$65.86	\$64.85	\$101.48	\$97.51	\$853.05	\$360.66
2022 ESTIMATED FIXED EXPENSES						
*TRACTOR/MACHINERY	\$49.75	\$54.67	\$117.75	\$123.33	\$405.12	\$88.53
Bulk Barn, Tobacco Loading system, Bailer, H2A overhead (for tobacco only)			-	-	\$309.58	-
-----FARM OVERHEAD IS INCLUDED ON THE CROP AND FARM SUMMARY SHEET-----						
Total Fixed Costs	\$49.75	\$54.67	\$117.75	\$123.33	\$714.70	\$88.53
Total Cost	\$750.16	\$472.82	\$926.47	\$1,009.82	\$3,721.65	\$2,427.87
NET RETURNS TO FARMER AND RISK:	\$16.11	\$10.18	(\$16.27)	(\$25.82)	\$138.35	\$272.13

Look soon for an article on our home web page with charts showing profit and/or loss at variable commodity prices and yield! We hope to have these break-even chart comparisons soon.

SURVEY REQUEST FROM NCSU

Rebecca Ward, Assistant State Climatologist at NC State, is conducting research on how people interpret scientific visualizations about climate change. If you would just a few minutes to complete the survey below, it would be greatly appreciated.

<https://ncextension.lt.acemlna.com/Prod/link-tracker?redirectUrl=aHR0cHMIM0EIMkYIMkZnby5uY3N1LmVkdSUyRmNjLXZpei1zdXJ2ZXk=&sig=AmBaVuUrAqbtpsB97U5sjZ8iCGJf31U64GSTvwDKhuS&iat=1672871481&a=%7C%7C90313184%7C%7C&account=ncextension%2Eactivehosted%2Ecom&email=DuaOulwIWNPNm9aw%2FybGQOFR3meOdmXcm1QSNNUe8%3D&s=69a658d35ce4e714793d9b631e26733d&i=11763A11137A36A129907>



Welcome Brooke Zeleny

Brooke Zeleny is our new livestock agent serving Craven, Pamlico and Jones counties. She is housed within Craven. She was born in Tomball, Texas yet she willingly chose to move to Alabama where she obtained a Master of Agriculture and Extension Educator Graduate Certificate from Auburn University. Her Bachelor's Degree was awarded in Equine Science from Auburn University. She served a 5-month internship in Summerfield Florida with Peterson and Smith Equine Reproduction Center, was a part of the Auburn University 1st place Academic Quadrathlon team in 2018, and worked under the Alabama Dairy Extension Specialist, Mr. Boyd Brady.

Her favorite way to spend time is enjoying outdoor activities, spending time with her dog Blossom, traveling to Alabama and Texas, and consuming as much TexMex as possible. Brooke hopes to assist farmers and producers by increasing their livestock production skills, increase youth participation in livestock, and educate all about the importance of agriculture. Please welcome Brooke Zeleny. She can be reached by calling our office at 252-633-1477 or email her directly at bzeleny@ncsu.edu

In Case You Missed It!

Corn, Soybean, and Wheat Update" from December 9th with Dr. Ron Heiniger, Dr. Rachel Vann, and Dr. Angela Post providing general research data and considerations for grain production in 2023.

Focus on Soils featuring Dr. Ekrum Ozlu, Dr. Mallory Choudoir, and Dr. Luke Gatibon presents information on general soil health, soil microbiome and roles of calcium, potassium and magnesium (i.e. application of gypsum, lime and fertilizers on plant-soil health)

Maximizing Crop Input Efficiency in 2023: Featuring Dr. Stephanie Keluza, Dr. Rachel Vann, Dr. Ron Heinger, Dr. Luke Gatiboni, and Dr. Chad Poole presenting information on poultry litter and waste applications, plant populations research for soybean, impacts of poor, excessive and

optimum irrigation/drainage on yield, keys to corn production, and the impacts of higher fertilizer prices on production (role of N, P & K on yield and optimum use of nutrients).

The Endangered Species Act; What Farmers Should Know features Dr. Don Parker of the National Cotton Council, Rebecca Haynie from Syngenta, Dr. Charlie Cahoon, NC State Weed Specialist, Carroll Moseley of CropLife of America discussing the current EPA policy and procedures for pesticide evaluations, impacts this had upon agriculture and historical use of pesticides as it relates to endangered species.

NC Cooperative Extension, Craven Center

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