

# AgNews

FALL

**BERTIE COUNTY EXTENSION**

2023

## Wheat Planting Considerations

### Should I or Should I not plant Wheat in 2023?

#### Crop Budget

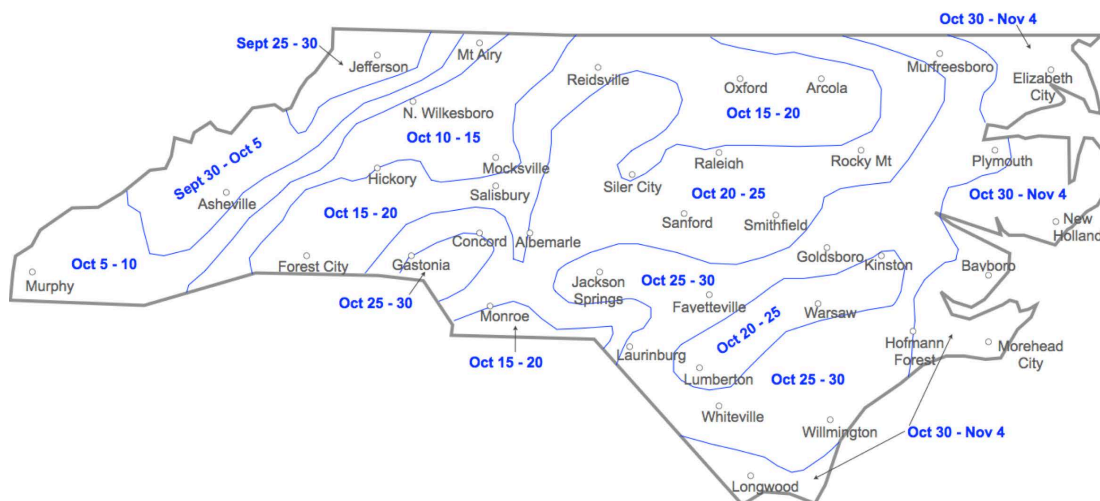
The Department of Agriculture and Resource Economics at NC State University has developed a crop comparison tool to help growers determine what crops and acreage they should plant. To effectively use this tool you need to know, or have a rough idea of, your crop input costs and potential commodity price. Check out the link below to download the tool for use in Microsoft Excel.

NC State Crop Comparison Tool

[go.ncsu.edu/cctool](https://go.ncsu.edu/cctool)

#### Planting Date

See the map below from the 2021 NC Small Grains Production guide illustrating potential start dates for wheat planting across the state. The dates shown within the map are 7 days earlier than when there is a 50% chance of a freeze. Bertie County falls primarily in the October 25 - 30 range.



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## What should I plant?

### Variety Selection

Once you've decided that planting wheat this fall fits into your operation and could be profitable, the next question is, what variety should I plant? We have a lot of resources at our disposal to help with that selection. Through the Official Variety Testing (OVT) program, NC State University generates yield data from across North Carolina every year to help with this decision. That data is then compiled into the Official Variety Selection Tool (link below) for us to use.

From the 2023 statewide OVT harvest, **AgriPro GP 381**, **Southern Harvest SH 7222**, **Dyna-Gro Shirley**, **Harvey's AP 2000**, and **Southern Harvest SH 9520** topped the list.

While **AgriPro GP 381**, **Southern Harvest SH 7222**, **Harvey's AP 2000**, **Harvey's AP 1991**, and **Harvey's AP 1995** have topped the statewide commercial wheat list for 2021 through 2023.

Also, look to the other variety testing in our region by looking at the Northeast Ag Expo evaluation results.

NC State Variety Selection Tool  
[ncovt.medius.re](http://ncovt.medius.re)

2023 NE Ag Expo Small Grain Trial  
[go.ncsu.edu/readext?949390](http://go.ncsu.edu/readext?949390)

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## How should I plant and manage my wheat early on?

### Fertility

The best way to know where you're at on fertility needs going into next year is to take soil samples for analysis at either the NCDA&CS soil lab or a soil lab of your choice. Between now and Thanksgiving 2023, the charge for analysis at the NCDA&CS lab is free for North Carolina farmers.

Some general rules apply; supplying the wheat crop with phosphorus and potassium is best done in the fall, along with 20 to 40 pounds per acre of pre-plant nitrogen. Remember that some nitrogen will be tied up when planting into heavy corn residue, so in those situations, being closer to the 40 pounds per acre rate of nitrogen is advised.

Using the above system you'll want to plan for further nitrogen applications next year. We no longer get as much sulfur for free from the atmosphere so applying some supplemental sulfur through ammonium sulfate (AMS) or other sulfur sources should be considered.

### Seeding Rate

When planting on time for your area, the general recommendation is to plant between 1.3 and 1.8 million seeds per acre. This can be difficult to visualize, so it is common to convert that value to seeds per foot of row or to estimate by weight.

If you are accustomed to planting by weight, pay close attention to your varieties' seed density, which is typically reported as seed per pound. This density can change yearly for a given variety, so do not rely on last year's values. Remember, the lower the value for seeds per pound, the higher the number of pounds per acre to reach the optimal seeding rate. For example, for a seed density of 10,000 seeds per pound and 85% germination, you would want to plant 150 pounds per acre to reach 1.3 million seeds per acre. But for a density of 15,000 seeds per pound, you would decrease your seeding rate to 100 pounds per acre.

For a 7.5-inch row spacing and a target planting population of 1.3 million seeds per acre, you would want to see 19 seeds per foot of row. For a 1.8 million seed per acre planting population, you are looking for 26 seeds per foot of row.

Remember that your germination rate will always be critical in final plant establishment. Do not plant seeds with less than a 65% germination rate. For germination rates of 80%, you should increase your planting population by 5%. Likewise, for a 75% germination rate, you increase the population by 10%, for 70% germination, an increase of 15%, and for 65% germination, an increase of 20%. If planting into heavy residue, it may be advantageous to increase seeding rates. For heavy corn residue, look to increase planting populations by an additional 10%.

### **Crop Protection**

When it comes to weed control, plan to start clean and stay clean. In a no-till operation, look towards Valor for some residual weed control, follow the label, and wait at least 7 days before planting. Anthem Flex can be applied as a preemergent herbicide behind the planter. Be certain to follow label rates and recommendations for Anthem Flex, and feel free to reach out to the North Carolina Cooperative Extension - Bertie County Center at 252-794-5317 for further assistance.

*Disclaimer: The use of brand names does not imply endorsement or criticism of products mentioned or of ones not mentioned.*

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## **2023 Bertie County Cotton Test**

The 2023 Bertie County cotton test was located at the Peanut Belt Research Station in Lewiston-Woodville. This test was completed to get a preliminary sense of the effectiveness of ThryvOn cotton as a production system when compared to a traditional and a minimal production systems.

The test was planted on strip-tilled 36 inch single rows on May 18th at 43,560 seed per acre and harvested on October 18th.

Three treatments were investigated;

- 1) Non-ThryvOn variety without in-furrow insecticide and no early season insecticide sprays,
- 2) Non-ThryvOn variety with in-furrow insecticide and early season insecticide sprays, and
- 3) ThryvOn variety without in-furrow insecticide and no early season insecticide sprays.

Treatments were planted in strip plots with four replications. All other agronomic practices were kept consistent across all treatments.

A special thank you goes out to the folks at the Peanut Belt Research Station for providing the land space, equipment, and man-power required to implement this research. We'd also like to thank Rick Strecker of Bayer Crop Science for providing the DeltaPine brand cotton seed used at this site.

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### 2023 CHROME Cotton Evaluation

Plot ID	Treatment	Variety	Harvest Weight (lbs)	Yield (lbs/A)
101	Non-ThryvOn no-IF, no post	DP2127 B3XF	216	<b>1584.0</b>
102	ThryvOn no-IF, no post	DP2211 B3TXF	182	<b>1334.7</b>
103	Non-ThryvOn, w/IF, w/post	DP2127 B3XF	192	<b>1408.0</b>
201	Non-ThryvOn no-IF, no post	DP2127 B3XF	200	<b>1466.7</b>
202	ThryvOn no-IF, no post	DP2211 B3TXF	196	<b>1437.3</b>
203	Non-ThryvOn, w/IF, w/post	DP2127 B3XF	204	<b>1496.0</b>
301	Non-ThryvOn no-IF, no post	DP2127 B3XF	204	<b>1496.0</b>
302	ThryvOn no-IF, no post	DP2211 B3TXF	206	<b>1510.7</b>
303	Non-ThryvOn, w/IF, w/post	DP2127 B3XF	202	<b>1481.3</b>
401	Non-ThryvOn no-IF, no post	DP2127 B3XF	208	<b>1525.3</b>
402	ThryvOn no-IF, no post	DP2211 B3TXF	214	<b>1569.3</b>
403	Non-ThryvOn, w/IF, w/post	DP2127 B3XF	238	<b>1745.3</b>
501	Non-ThryvOn no-IF, no post	DP2127 B3XF	228	<b>1672.0</b>

Location	Lewiston-Woodville
Harvest Date	10/18/23
Planting Date	5/18/23
Row Spacing (in)	36
Tillage	Strip-Till
Treatment Width	8 rows
Harvest Width	4 rows (middle)

Treatment	Variety	Average Yield (lbs/A)
Non-ThryvOn no-IF, no post	DP2127 B3XF	1518.0 <i>less plot ID 501 for edge effects</i>
ThryvOn no-IF, no post	DP2211 B3TXF	1463.0
Non-ThryvOn, w/IF, w/post	DP2127 B3XF	1532.7

## 2023 Upper Coastal Plain Regional Corn Hybrid Test - Results

Included in this newsletter are the results of the 2023 N.C. Cooperative Extension Upper Coastal Plain regional corn hybrid evaluation. This year's evaluation included eleven locations across eight Upper Coastal Plain counties, including Bertie, Edgecombe, Halifax, Hertford, Martin, Nash, Northampton, and Washington. Each participating county included one dryland site, while Nash and Northampton counties also included an irrigated site. Bertie County contributed a second dryland location in 2023. Yields are reported as number 2 corn adjusted to a moisture of 15.5%.

*Note: All sites used the same check hybrid (e.g. Dekalb DKC67-44VT2P), which was placed on the outside borders of the plot and then once every third tested hybrid within the plot.*

This year, we set up the evaluations so the grower could install a hybrid of their choice within the study. On average, they selected well for the dryland environment.

In the yield table you will find the yields test hybrids listed in descending order according to average yield across the dryland locations, with a rank of “1” indicating the highest yield and a “21” for the lowest yield. The top three hybrids ranked are indicated by color, with blue, red, and yellow for 1st, 2nd, and 3rd, respectively. The Halifax location was excluded from the dryland and combined averages due to a loss of one hybrid during harvest.

To the right side of the table, there is a similar ranking system for the irrigated only sites. Rankings for the dryland and irrigated sites combined are to the far left. Also included is a table outlining the relevant production information for each site.

A special thank you goes out to each location’s participating growers and facilities. Without your cooperation and support, this level of investigation would not be possible. I want to directly thank Wynne Hughes, and the Peanut Belt Research Station for providing the land, equipment, and man-power for the two Bertie County sites in 2023.

We would also like to thank the Corn Growers Association of North Carolina for supporting this effort. Through their support and with the continuing support from our local agribusiness partners, we generated this data across a large area of North Carolina while maintaining a local focus.

Stay tuned to future newsletters for further analysis of this data set and for hybrid recommendations for 2024.

Please reach out to the North Carolina Cooperative Extension - Bertie County Center at 252-794-5317 for further assistance.

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2023 Upper Coastal Plain Corn  
Yield Results  
[go.ncsu.edu/readext?964915](https://go.ncsu.edu/readext?964915)

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**2023 N.C. Cooperative Extension Upper Coastal Plain Corn Hybrid Evaluation**

Dry Yield (bu/A)		Dry Yield (bu/A)										Dry Yield (bu/A)																									
Overall		Dryland		Dryland Sites										Irrigated Sites																							
Dryland & Irrigated		Dryland		Bertie	Bertie	Edgecombe	Halifax	Hertford	Martin	Nash	Northampton	Washington	Nash	Northampton	Irrigated																						
Average	Rank	Entry	Company	Hybrid	RM	Average	Rank	Colerain	Lewiston-Woodville	Tarboro	Tilley	Colerain	Robersonville	Whitakers	Woodland	Roper	Whitakers	Rich Square	Average	Rank	Hybrid																
175.8	1	18	Dekalb	DKC68-35VT2P	118	158.7	7	190.0	5	118.5	7	151.2	5	106.4	13	229.3	4	132.8	4	122.1	3	139.3	5	186.2	5	236.7	18	251.9	1	244.3	6	DKC68-35VT2P					
174.5	2	6	Axis	64B28	114	156.2	2	198.1	1	127.8	1	140.6	9	128.8	6	211.7	19	139.9	1	114.0	8	140.8	3	176.8	11	276.3	4	219.5	10	247.9	4	64B28					
170.5	5	14	Revere	RV1627TC	116	155.2	3	184.0	8	109.2	14	152.1	4	131.2	4	219.6	9	128.1	8	118.8	4	140.2	4	189.8	4	241.2	16	221.8	7	231.5	13	RV1627TC					
169.8	6	20	Dekalb	DKC69-99TRE	119	154.7	4	160.9	18	109.9	12	132.5	14	113.2	10	219.0	10	129.7	6	127.3	1	145.8	1	212.4	1	239.6	17	220.6	9	230.1	14	DKC69-99TRE					
166.3	10	21	Growers Choice			153.3	5	170.5	16	111.8	10	149.1	6	-	-	220.9	7	126.7	9	124.5	2	138.3	6	185.1	6	232.6	20	203.8	17	218.2	20	Growers Choice					
173.5	3	5	Dyna-Gro	D54VC14	114	153.0	6	193.6	2	119.9	5	135.9	12	115.7	8	218.2	11	137.6	2	111.8	9	131.0	11	176.1	12	289.6	1	221.1	8	255.3	1	D54VC14					
169.7	7	3	Revere	RV1307TC	113	152.5	7	183.6	9	119.1	6	123.8	18	103.9	14	215.2	17	125.9	11	114.2	7	145.4	2	193.1	3	261.1	12	215.3	12	238.2	11	RV1307TC					
168.9	9	15	Integra	6720VT2P	116	152.5	8	190.0	4	125.2	2	148.4	7	114.1	9	215.6	15	126.1	10	110.4	13	132.3	10	171.9	17	264.0	10	205.1	16	234.5	12	6720VT2P					
168.9	8	7	Integra	6493VT2P	114	150.7	9	185.0	7	106.2	17	103.2	21	79.8	17	229.7	3	135.4	3	109.1	14	134.5	9	202.3	2	261.7	11	222.3	5	242.0	9	6493VT2P					
171.0	4	4	Axis	63M73	113	150.5	10	176.0	13	124.3	3	125.6	16	72.3	18	237.6	2	129.0	7	117.6	5	121.3	14	172.7	15	284.0	2	221.9	6	253.0	2	63M73					
165.0	11	17	Dyna-Gro	D57TC29	117	150.4	11	182.8	11	109.8	13	158.5	3	71.3	19	206.3	21	130.3	5	105.4	17	137.2	7	172.9	14	214.6	21	232.7	2	223.6	16	D57TC29					
162.6	15	12	Syngenta	NK1661-AA	116	148.0	12	176.5	12	106.2	16	160.1	1	134.5	3	216.8	14	120.7	17	103.6	18	116.6	16	183.3	7	246.7	14	196.0	19	221.3	18	NK1661-AA					
163.4	14	2	Augusta	A4463 VT2Pro	113	147.6	13	192.3	3	111.7	11	125.1	17	143.5	2	225.7	5	121.9	15	102.0	20	122.5	13	179.4	10	243.9	15	210.0	15	227.0	15	A4463 VT2Pro					
160.4	18	16	Syngenta	NK1701-V	117	146.4	14	183.0	10	123.0	4	136.1	11	89.7	16	210.9	20	125.8	12	111.2	11	110.9	18	170.5	19	264.9	9	168.0	21	216.5	21	NK1701-V					
165.0	13	9	Seedway	SW1475VT	114	145.7	15	171.6	15	106.4	15	133.3	13	110.0	11	213.4	18	123.2	14	108.7	15	136.9	8	172.3	16	270.2	5	213.8	13	242.0	8	SW1475VT					
161.1	16	11	Seedway	SW1579SS	115	145.5	16	170.0	17	115.3	8	126.3	15	116.8	7	217.7	13	121.6	16	108.5	16	123.6	12	181.4	9	234.8	19	211.7	14	223.2	17	SW1579SS					
165.0	12	10	Augusta	A1465 VT2Pro	115	144.9	17	185.3	6	104.7	18	136.9	10	109.5	12	240.2	1	123.8	13	115.8	6	90.0	21	162.5	21	267.1	7	223.8	4	245.4	5	A1465 VT2Pro					
160.8	17	1	AgVenture	AV6010AM	110	140.5	18	175.4	14	114.8	9	120.1	19	-	-	215.5	16	103.1	20	102.9	19	117.4	15	174.7	13	281.6	3	202.3	18	242.0	10	AV6010AM					
155.5	21	19	Pioneer	P1847VYHR	118	139.6	19	154.1	20	94.3	20	146.6	8	129.5	5	219.9	8	108.0	19	110.5	12	111.6	17	171.7	18	248.2	13	190.1	20	219.2	19	P1847VYHR					
157.9	19	8	AgVenture	AV3514AML	114	136.5	20	155.2	19	93.1	21	110.0	20	102.8	15	224.6	6	111.5	18	111.7	10	104.4	19	181.6	8	269.1	6	217.9	11	243.5	7	AV3514AML					
157.7	20	13	Pioneer	P1622VYHR	116	134.8	21	151.6	21	99.2	19	158.8	2	146.3	1	217.9	12	96.9	21	96.4	21	94.1	20	163.8	20	266.3	8	231.7	3	249.0	3	P1622VYHR					
averages																																					
165.9	site																					148.4	177.6	111.9	136.9	109.8	220.3	123.7	111.7	125.4	180.0	256.9	214.3	235.6			
165.2	check	Dekalb	DKC67-44VT2P	117	148.6	184.2	121.4	116.2	107.5	223.6	132.5	121.7	138.6	191.9	255.3	224.4	239.8	DKC67-44																			

Hybrid yields at 10 locations (less Halifax) were averaged, ranked and listed overall in descending order (e.g. 1 being the highest and 21 being the lowest). Hybrids at each individual location were ranked. A common check (e.g. Dekalb DKC67-44VT2P) was utilized at each location. At the Halifax location entry #1 was lost at harvest, and this site was installed without a "Growers Choice" hybrid. The Nash dryland location experienced poor emergence due to heavy rainfall shortly after planting and suffered early season hail damage. Dry yields are reported at 15.5% moisture for No. 2 corn grain

RM=Relative Maturity



2023 NC Cooperative Extension Upper Coastal Plain Regional Corn Hybrid Evaluation Production Information

County	Bertie	Bertie	Edgecombe	Halifax	Hertford	Martin	Nash	Northampton	Washington	Nash	Northampton
Town/City	Colerain	Lewiston-Woodville	Tarboro	Tillery	Colerain	Robersonville	Whitakers	Woodland	Roper	Whitakers	Rich Square
Agent	<i>Edward Godfrey III</i>	<i>Edward Godfrey III</i>	<i>Sydney Jalali</i>	<i>Brandon Pike</i>	<i>Dylan Lilley</i>	<i>Lance Grimes</i>	<i>Brittany Pendleton</i>	<i>Craig Ellison</i>	<i>Jalynne Ward</i>	<i>Brittany Pendleton</i>	<i>Craig Ellison</i>
Cooperator	Wynne Hughes	Peanut Belt Research Station	Glenn O'Neal	Caledonia Prison	Billy Mizelle Jr.	James Roebuck	Fisher Farms	Dan Bryant	Kendrick's Creek Farms	Edwards Farm Equipment	Nathan Bennett
Planting Date	4/20/23	4/11/23	4/19/23	4/19/23	4/12/23	4/17/23	4/26/23	4/18/23	4/20/23	4/3/23	5/12/23
Harvest Date	9/21/23	8/28/23	9/21/23	9/27/23	9/21/23	9/20/23	9/22/23	10/2/23	9/15/23	8/24/23	10/5/23
Soil Type	Lynchburg fine sandy loam & Rains sandy loam	Norfolk sandy loam & Goldsboro sandy loam	Portsmouth fine sandy loam	State fine sandy loam	Rains sandy loam	Rains fine sandy loam	Norfolk sandy loam & Goldsboro sandy loam	Caroline fine sandy loam	Bojac loamy fine sand	Norfolk loamy sand	Wickham fine sandy loam
Previous Crop	Soybeans	Corn	Soybeans	Soybeans	Soybeans	Soybeans	Sweetpotato	Soybeans	Peanuts	Peanuts	Soybeans
Row Spacing (in)	36	36	30	36	36	36	38	36	36	30	36
Planting Population	31,000	28,500	30,000	27,500	26,500	26,000	25,000	29,000	28,000	32,000	31,500
Tillage	Maximum, Bedded Row	Maximum, Bedded Row	Strip-Till	No-Till	Maximum, Bedded Row	Strip-Till	Maximum	No-Till	Strip-Till	Strip-Till	No-Till
Irrigation Class	Dryland	Dryland	Dryland	Dryland	Dryland	Dryland	Dryland	Dryland	Dryland	Irrigated	Irrigated



# 2023 NC State Corn OVT - Results

This year, like last year, Bertie County was fortunate to have an NC State Corn OVT site. This year the site was located in Kelford. For those of you that farm in the Kelford area you are well aware of the extended dry spell in June and July that took the top end off of the corn crop. Below you will find a link to the relevant data and a copy of the Bertie location yield results. The yields are sorted in descending order from highest yielding to lowest for hybrids over a two year period.



Means   Yield bu/A		Tidewater	Coastal Plain	2023 Averages			2022 Averages			2022 - 2023 Averages		
Varieties	Source	Pasquotank	Bertie	Tidewater	Coastal Plain	Total	Tidewater	Coastal Plain	Total	Tidewater	Coastal Plain	Total
Revere 1577 VT2P	Revere Seed	237.7	164.1	237.7	164.1	200.9	246.0	164.8	205.4	241.8 <sup>Y2</sup>	164.4 <sup>Y2</sup>	203.1 <sup>Y3 L4</sup>
A1465	Augusta Seed	239.5	150.3	239.5	150.3	194.9	220.2	177.2	198.7	229.8 <sup>Y2</sup>	163.8 <sup>Y2</sup>	196.8 <sup>Y2 L4</sup>
PGY 9114 VT2P	Progeny Ag Products	232.4	166.5	232.4	166.5	199.4	224.2	159.7	191.9	228.3 <sup>Y2</sup>	163.1 <sup>Y2</sup>	195.7 <sup>Y2 L4</sup>
6493	INTEGRA	235.7	164.2	235.7	164.2	199.9	228.6	160.7	194.6	232.1 <sup>Y2</sup>	162.4 <sup>Y2</sup>	197.3 <sup>Y2 L4</sup>
DKC68-35	DEKALB	245.1	169.5	245.1	169.5	207.3	245.6	153.1	199.3	245.3 <sup>Y2</sup>	161.3 <sup>Y2</sup>	203.3 <sup>Y2 L4</sup>
DKC67-44	DEKALB	266.6	169.2	266.6	169.2	217.9	244.6	150.4	197.5	255.6 <sup>Y2</sup>	159.8 <sup>Y2</sup>	207.7 <sup>Y2 L4</sup>
Revere 1307 TC	Revere Seed	243.6	162.0	243.6	162.0	202.8	229.8	155.9	192.9	236.7 <sup>Y2</sup>	158.9 <sup>Y2</sup>	197.8 <sup>Y2 L4</sup>
6720	INTEGRA	237.6	152.0	237.6	152.0	194.8	232.0	164.1	198.1	234.8 <sup>Y2</sup>	158.1 <sup>Y2</sup>	196.4 <sup>Y2 L4</sup>
FS 65R87VT2P	FS System	203.7	162.5	203.7	162.5	183.1	215.1	152.5	183.8	209.4 <sup>Y2</sup>	157.5 <sup>Y2</sup>	183.4 <sup>Y2 L4</sup>
D54VC14	Dyna-Gro	211.6	154.2	211.6	154.2	182.9	261.2	159.6	210.4	236.4 <sup>Y2</sup>	156.9 <sup>Y2</sup>	196.7 <sup>Y2 L4</sup>
SW 1600VT	Seedway	246.7	166.6	246.7	166.6	206.6	257.4	145.7	201.5	252.0 <sup>Y2</sup>	156.1 <sup>Y2</sup>	204.1 <sup>Y2 L4</sup>
D54VC34	Dyna-Gro	241.9	161.2	241.9	161.2	201.6	258.2	150.5	204.3	250.1 <sup>Y2</sup>	155.8 <sup>Y2</sup>	202.9 <sup>Y2 L4</sup>
D53TC23	Dyna-Gro	233.2	157.5	233.2	157.5	195.3	238.8	152.1	195.4	236.0 <sup>Y2</sup>	154.8 <sup>Y2</sup>	195.4 <sup>Y2 L4</sup>
FS 6306T RIB	Growmark Inc	222.7	153.6	222.7	153.6	188.1	237.4	154.0	195.7	230.1 <sup>Y2</sup>	153.8 <sup>Y2</sup>	191.9 <sup>Y2 L4</sup>
DKC 67-70	DEKALB	224.9	166.0	224.9	166.0	195.4	231.9	141.4	186.7	228.4 <sup>Y2</sup>	153.7 <sup>Y2</sup>	191.1 <sup>Y2 L4</sup>
DKC 65-93	DEKALB	205.8	153.5	205.8	153.5	179.7	233.2	153.8	193.5	219.5 <sup>Y2</sup>	153.7 <sup>Y2</sup>	186.6 <sup>Y2 L4</sup>
2010TRE	Progeny Ag Products	217.6	149.0	217.6	149.0	183.3	214.0	153.3	183.7	215.8 <sup>Y2</sup>	151.2 <sup>Y2</sup>	183.5 <sup>Y2 L4</sup>
63M73	Axis	236.4	151.0	236.4	151.0	193.7	218.0	150.8	184.4	227.2 <sup>Y2</sup>	150.9 <sup>Y2</sup>	189.0 <sup>Y2 L4</sup>
64M20	Axis	221.5	154.1	221.5	154.1	187.8	228.9	146.9	187.9	225.2 <sup>Y2</sup>	150.5 <sup>Y2</sup>	187.8 <sup>Y2 L4</sup>
DKC65-99	DEKALB	190.0	148.5	190.0	148.5	169.3	223.0	150.5	186.8	206.5 <sup>Y2</sup>	149.5 <sup>Y2</sup>	178.0 <sup>Y2 L4</sup>
DKC 69-99	DEKALB	240.6	162.5	240.6	162.5	201.6	240.2	136.2	188.2	240.4 <sup>Y2</sup>	149.3 <sup>Y2</sup>	194.9 <sup>Y2 L4</sup>
FS 6017V RIB	Growmark Inc	229.8	144.7	229.8	144.7	187.3	247.2	153.2	200.2	238.5 <sup>Y2</sup>	148.9 <sup>Y2</sup>	193.7 <sup>Y2 L4</sup>
DKC62-70	DEKALB	216.1	150.3	216.1	150.3	183.2	261.8	143.4	202.6	238.9 <sup>Y2</sup>	146.9 <sup>Y2</sup>	192.9 <sup>Y2 L4</sup>
SC1112AM	Seed Consultants	222.9	136.8	222.9	136.8	179.9	245.0	156.6	200.8	233.9 <sup>Y2</sup>	146.7 <sup>Y2</sup>	190.3 <sup>Y2 L4</sup>
PGY 2118 VT2P	Progeny Ag Products	247.5	158.2	247.5	158.2	202.8	233.0	134.5	183.8	240.3 <sup>Y2</sup>	146.3 <sup>Y2</sup>	193.3 <sup>Y2 L4</sup>
MC 4161	SeedKoz	232.7	155.7	232.7	155.7	194.2	216.3	135.3	175.8	224.5 <sup>Y2</sup>	145.5 <sup>Y2</sup>	185.0 <sup>Y2 L4</sup>
6342	INTEGRA	233.5	152.1	233.5	152.1	192.8	225.4	138.9	182.2	229.4 <sup>Y2</sup>	145.5 <sup>Y2</sup>	187.5 <sup>Y2 L4</sup>
FS 6627T RIB	FS System	227.2	166.2	227.2	166.2	196.7	262.2	124.4	193.3	244.7 <sup>Y2</sup>	145.3 <sup>Y2</sup>	195.0 <sup>Y2 L4</sup>
FS 6595V RIB	Growmark Inc	226.6	141.7	226.6	141.7	184.1	217.8	148.5	183.2	222.2 <sup>Y2</sup>	145.1 <sup>Y2</sup>	183.7 <sup>Y2 L4</sup>
Revere 0918 S5X	Revere Seed	217.4	139.2	217.4	139.2	178.3	166.6	147.7	157.1	192.0 <sup>Y2</sup>	143.4 <sup>Y2</sup>	167.7 <sup>Y2 L4</sup>
Revere 1627 TC	Revere Seed	247.1	158.1	247.1	158.1	202.6	216.9	126.6	171.8	232.0 <sup>Y2</sup>	142.3 <sup>Y2</sup>	187.2 <sup>Y2 L4</sup>
D57TC29	Dyna-Gro	248.0	157.3	248.0	157.3	202.7	233.8	126.6	180.2	240.9 <sup>Y2</sup>	141.9 <sup>Y2</sup>	191.4 <sup>Y2 L4</sup>
D57VC53	Dyna-Gro	223.9	153.0	223.9	153.0	188.4	225.5	130.3	177.9	224.7 <sup>Y2</sup>	141.7 <sup>Y2</sup>	183.2 <sup>Y2 L4</sup>
FS 6818V RIB	Growmark Inc	239.3	159.7	239.3	159.7	199.5	240.4	120.8	180.6	239.9 <sup>Y2</sup>	140.3 <sup>Y2</sup>	190.0 <sup>Y2 L4</sup>
PGY 2215 TRE	Progeny Ag Products	195.0	147.7	195.0	147.7	171.3	223.9	131.5	177.7	209.4 <sup>Y2</sup>	139.6 <sup>Y2</sup>	174.5 <sup>Y3 L4</sup>
P1197YHR	Pioneer	216.0	139.4	216.0	139.4	177.7	175.5	138.8	157.2	195.8 <sup>Y2</sup>	139.1 <sup>Y2</sup>	167.4 <sup>Y2 L4</sup>
SC1183AM	Seed Consultants	244.2	156.4	244.2	156.4	200.3	257.8	119.8	188.8	251.0 <sup>Y2</sup>	138.1 <sup>Y2</sup>	194.6 <sup>Y2 L4</sup>
DKC59-82	DEKALB	210.3	142.5	210.3	142.5	176.4	155.1	126.4	140.8	182.7 <sup>Y2</sup>	134.4 <sup>Y2</sup>	158.6 <sup>Y2 L4</sup>
PGY 9117 VT2P	Progeny Ag Products	216.7	149.5	216.7	149.5	183.1	241.4	119.1	180.3	229.1 <sup>Y2</sup>	134.3 <sup>Y2</sup>	181.7 <sup>Y2 L4</sup>
6641	INTEGRA	239.4	153.2	239.4	153.2	196.3	238.8	113.1	175.9	239.1 <sup>Y2</sup>	133.1 <sup>Y2</sup>	186.1 <sup>Y2 L4</sup>
NK1748-3110	Syngenta - NK	202.7	161.1	202.7	161.1	181.9	234.8	89.9	162.4	218.8 <sup>Y2</sup>	125.5 <sup>Y2</sup>	172.1 <sup>Y2 L4</sup>
Mean		228.6	155.1	228.6	155.1	191.8	230.4	142.9	186.7	229.5	149.0	189.3
Standard Deviation		16.0	8.4	16.0	8.4	10.7	22.7	16.6	14.2	15.8	9.2	10.4



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## 2023 Powell & Stokes Integra Corn Hybrid Test - Results

This year we partnered with Powell & Stokes in Windsor to evaluate select Integra corn hybrids for the area. Results from this trial are shown below. The site was seeded at 28,500 seed per acre on 36 inch bedded rows on April 11th and harvested on August 28th. These trials were not replicated but can provide a numerical value for how the hybrids performed along side the larger Upper Coastal Plain hybrid test at the Peanut Belt Research Station.

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2023 Bertie County Integra Corn Hybrid Test		
Hybrid	Moisture (%)	Dry Yield (bu/A)
6410VT2P	14.2	133.49
6641GSS	15.6	125.39
6720VT2P	14.4	117.00
6342Trecepta	13.9	110.70
6493VT2P	14.3	102.32

\*dry yields reported in bushels per acre for number 2 corn grain @ 15.5% moisture

We thank Powell & Stokes, Integra Seed, and the Peanut Belt Research Station for collaborating on this test

Please reach out to the North Carolina Cooperative Extension - Bertie County Center at 252-794-5317 for further assistance.

*Disclaimer: The use of brand names does not imply endorsement or criticism of products mentioned or of ones not mentioned.*

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## 2023 Corn Closing Wheel Test - Update

For 2023 we conducted the third year of the planter closing wheel test. Preliminary results from this years corn test shows a small numerical difference in yield when using a spiked closing wheel when compared to a smooth on a v-pinch style closing arm. However, this difference, like previous years, is likely not statistically significant.

In the next newsletter we hope to bring you updates from the soybean closing wheel test and provide further analysis from this multi-year investigation.

Please reach out to the North Carolina Cooperative Extension - Bertie County Center at 252-794-5317 for further information.

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