

# WEEKLY CROP UPDATE



UNIVERSITY OF DELAWARE  
COOPERATIVE  
EXTENSION

Volume 32, Issue 31

November 15, 2024

## Notes

### **Monthly Grain Market Outlook**

*Nate Bruce, Farm Business Management Specialist, [nsbruce@udel.edu](mailto:nsbruce@udel.edu)*

Corn harvest is nearing completion across much of the country. Corn sold from farms directly to end users will be slowing up significantly in the month ahead. Prices have remained steady trading in a \$0.10 - \$0.30 range thus far throughout the month in the low \$4.00 range across futures. Corn prices may have bottomed out in mid-October as prices have reversed higher since. Although the bottom in prices may have occurred, this does not mean high prices are coming, especially considering a large carry in the market. It is important to start creating budgets for next marketing year's corn crop to determine a profitable price level goal. Soybean prices have risen up thus far this month, but production in South America looms over the market with favorable weather conditions in Brazil. Export soybean sales have occurred, but are nowhere near where they need to be, staying well below the five-year average. There is just too much competition in the export market right now. Soybeans have traded in a \$0.20 - \$0.40 cent range throughout the month thus far. Wheat prices have fallen sharply as of recent but were trading relatively stagnant late October / early November. There is a large carryover in the wheat market currently dragging down prices. Although it was safe to assume this was built into the market, that may not be the case with the current movement in

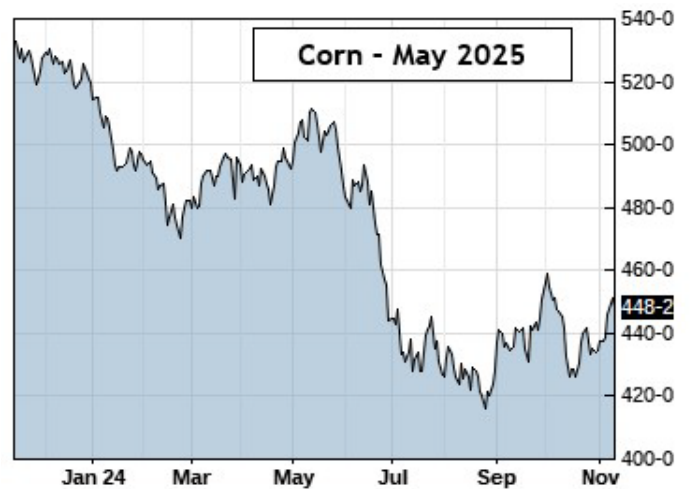
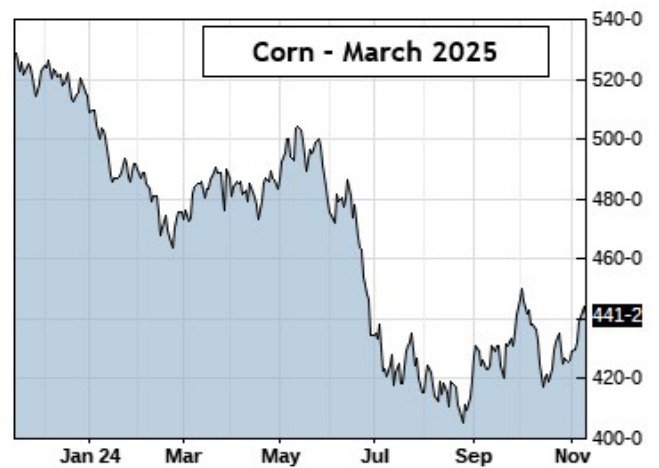
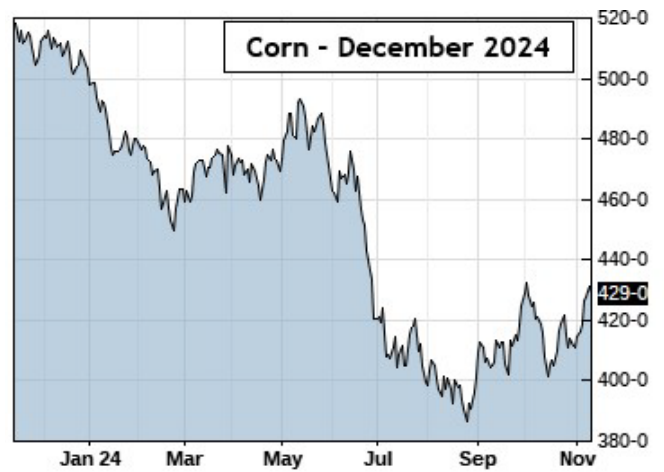
wheat prices. Wheat futures traded in a \$0.05 - \$0.40 cent range thus far in the month.

The October USDA (World Agriculture Supply and Demand Estimates) WASDE report was published on November 8<sup>th</sup>. Estimated planted corn acres remained the same as the October estimate at 90.7 million acres. Corn acres harvested also remained the same at 82.7 million acres. Estimated yield per acre decreased from 183.8 bushels to 183.1 bushels. Total production decreased from 15,203 million bushels to 15,143 million bushels. Exports, imports, and domestic demand all remained unchanged from the October estimate. Beginning stocks remained the same at 1,760 million bushels. Ending stocks decreased from 1,999 million bushels to 1,938 million bushels. The estimated farm season average price remained the same as the October estimate at \$4.10. The November report left soybean acres planted unchanged from the October estimate at 87.1 million acres. Estimated soybean acres harvested were also left unchanged at 86.3 million acres. Estimated soybean yield harvested per acre decreased slightly from 53.1 bushels per acre to 51.7 bushels per acre. Production decreased from the October estimate from 4,582 million bushels to 4,461 million bushels. Imports, seed demand, and residual demand remained unchanged from the October estimate. Crushings and exports fell from the October report. Soybean beginning stocks remained unchanged at 342 million bushels. Ending stocks fell sharply from 550 million bushels to 470 million bushels. The farm season average price remained unchanged at

\$10.80 per bushel. The November USDA WASDE estimate kept wheat acres planted the same as the October report at 46.1 million acres. Acres harvested also remained the same at 38.5 million acres. Estimated yield harvested per acre also remained unchanged at 51.2 bushels per acre. Beginning stocks remained unchanged from the October estimate at 696 million bushels. Production, seed demand, feed and residual demand, and exports all remained unchanged from the October report. Food demand and imports were slightly higher than the October estimates. Ending stocks increased from 812 million bushels to 815 million bushels. The farm season average price fell from \$5.70 per bushel to \$5.60 per bushel. The next USDA WASDE will be released on December 9<sup>th</sup>.

South America is expected to increase soybean acreage. Argentina is expected to see the most soybean acres planted in over a decade while Brazil's soybean plantings are expected to grow as well. Although, it should be noted, expansion in Brazilian soybean acres is at the slowest pace it has been in the last ten years. It is estimated there will be 114.7 million acres of soybeans planted in Brazil for the 2024/2025 marketing year. Weather conditions in South America have been favorable thus far. American competition in the export market will dampen prices for quite some time with China preferring to purchase Brazilian soybeans in the export market. The trend of increasing grain yields is also occurring in China with the country's grain production set to be higher than last year's output. This is critical as the country with 1.4 billion people has been reliant on the United States and Brazil to feed the nation's population.

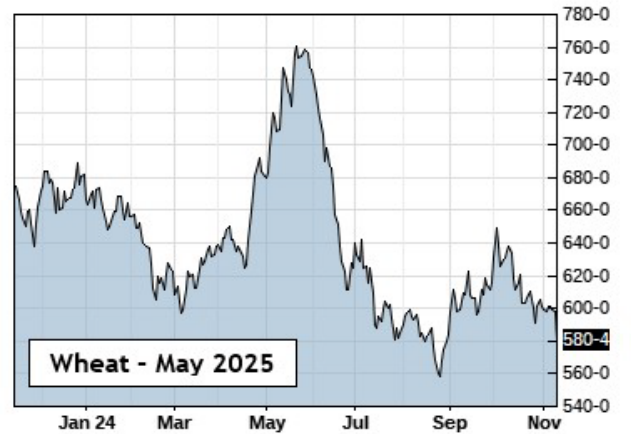
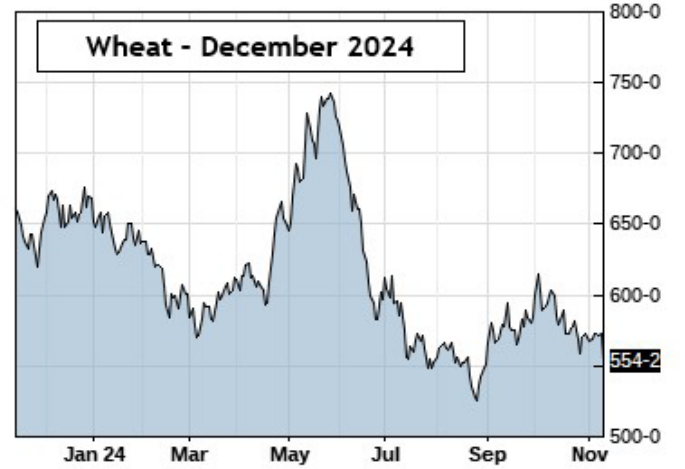
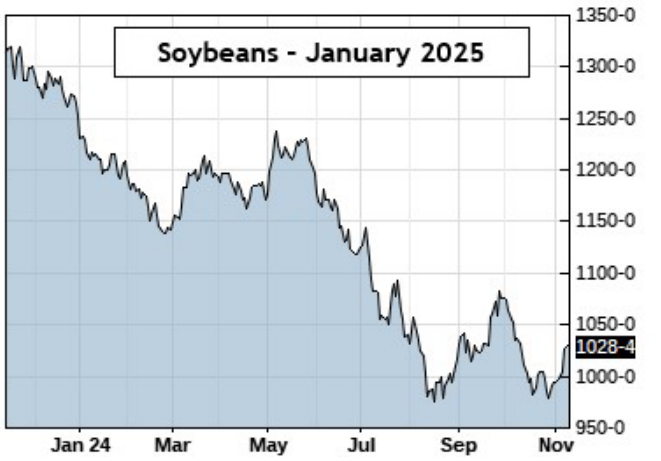
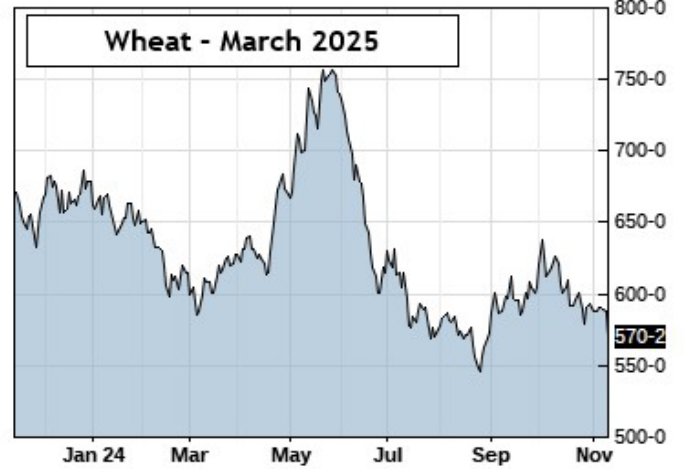
## Corn Futures

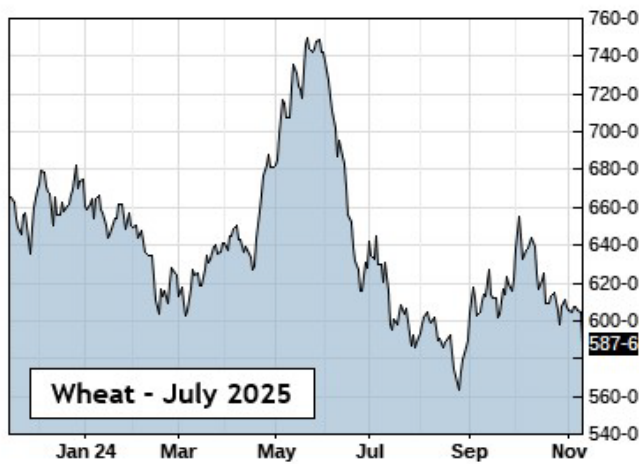


## Soybean Futures



## Wheat Futures





## 2024 Soybean Row Spacing and Population Studies for Coastal Soils

Jarrold O. Miller, Extension Agronomist,  
[jarrod@udel.edu](mailto:jarrod@udel.edu)

**Summary:** Three years of population studies have only shown little difference in population (60-180k), when planted early enough, however later planted (double crop) beans may be safer at 120k or above. Planting in 15-inch rows can increase yields 5-10 bushels.

As soybean genetics have improved, national studies in planting populations are revealing that lower populations can still provide similar yields. We have performed studies over the past few years, including 2022 ([Click for link](#)) and 2023 ([Click for link](#)). For both of those years there was a 10-bushel advantage for narrower rows (15 vs 30”), 25 bushels for irrigation, but no differences between populations of 90 to 180,000 seeds per acre.

For 2024 we had three separate field sites, including two irrigated (full season and double crop) and a rainfed field (Table 1). For the full season, irrigated field (MG 4.2, planted 05/21/2024) there were no differences in populations between 60-180k, and potential 3-bushel bump for 15” rows (p-value = 0.1).

When planted behind wheat (06/20/2024) as irrigated double crop, 15-inch rows did provide

an additional 5 bushels (27 vs 22 bushels). For this field we had space to include a very low rate of 40k seeds/acre, which did return the lowest yield of 19.4 bushels, with the 60k rate similar at 22.7 bushels. There wasn’t a lot of difference when rates were 120 to 180 seeds per acre.

For the full season, rainfed field there were also no differences between row spacing or population, however yields were about 20 bushels higher than the double crop field and only 10 bushels lower than the full season irrigated field. The double crop field did have some deer feeding early on which may have reduced yields.

Table 1: Soybean yields (bu acre<sup>-1</sup>) based on either row spacing or population for irrigated (full and double crop) and rainfed fields.

Row Spacing	Irrigated		Rainfed
	Full Season*	Double Crop	Full Season
15	59.6	27.3 a	44.6
30	56.4	22.4 b	43.5
	No Difference		No Difference
Population	Full Season*	Double Crop	Full Season
40	-	19.4 c	-
60	60.0	22.7 bc	37.9
90	59.8	25.3 ab	46.1
120	57.0	27.4 a	43.8
150	55.3	27.3 a	47.4
180	59.9	27.1 a	45.1
	No Difference		No Difference

\* There was an interaction for the Full Season Irrigated soybeans, where 30-inch rows of 120 and 150k seeds per acre had the lowest yields.

\*These studies have been sponsored by the Delaware Soybean Board

## Reminder: Fall Herbicide Treatment for Small Grain Weed Control

Mark VanGessel, Extension Weed Specialist;  
[mjv@udel.edu](mailto:mjv@udel.edu)

This fall has presented an opportune time to treat small grains with a postemergence herbicide, the warm weather has allowed more weed growth than normal. For small grains planted in September through mid-October, I like spraying them in the fall rather than waiting until the spring. These herbicide applications have been more consistent and overall better weed control than spring treatments in our



trials. The soil temperature remains warm for weeks after the first frost and this keeps the weeds in an active state. I find annual bluegrass, henbit, or speedwells species are often more susceptible if treated in the fall compared to early spring. Once we have consistently cold weather and soil temperatures drop, then fall treatments will be questionable. Fields may need a spring herbicide application for wild garlic control, but often broadleaf weed control is excellent with fall treatments and additional treatments are not needed.

A few considerations:

Fall herbicides are particularly important if the field was not “clean” at planting. Use of a vertical tillage tool often will not kill weed seedlings and they recover and can be too large for effective control in the spring.

Zidua or Anthem Flex are only effective on seedlings as they emerge from the soil. They have little to no effect on emerged plants. I am not sure they have a lot of value when applied this late in the fall.

If bluegrass is an issue, Osprey is the best product available. Italian ryegrass can be controlled with Axial products, Osprey or PowerFlex. Do not apply nitrogen within 14 days of Osprey application. (Note Osprey or PowerFlex are not safe on barley). Be aware that PowerFlex/Osprey resistant Italian ryegrass has been confirmed in a number of fields so if you have had issue with inconsistent control with these herbicides, use an Axial product.

For late planted small grains:

- Be sure to observe the size requirement before application.
  - Harmony Extra, Quelex, and Starane should not be applied before the two-leaf stage of wheat.
  - Also leaves of late planted wheat may be tender, use caution when selecting the adjuvants.
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## Fruit and Vegetable Meeting Agendas for Ag Week 2025

Agendas are set for the four Ag Week sessions organized by the Fruit & Vegetable Growers Association of Delaware and Delaware Cooperative Extension. Talk titles and times are included in the information below. Information on continuing education credits will be available sometime in December. In addition to our local experts, we will have several invited speakers from outside of Delaware. Read a little bit about them at the end of this announcement.

### **FVGAD Fruit Session | Exhibit Hall Board Room** Monday, January 13, 2025

Moderator: Lyndsie Mikkelsen, Extension Vegetable & Fruit Agent

1:00 - 1:30 p.m.

#### **Key Arthropod Pests of Small Fruit**

Dr. Kelly Hamby, Associate Professor, Entomology, University of Maryland

1:30 - 2:00 p.m.

#### **Strawberry Varieties from the USDA, 2024**

Dr. Kim Lewers, Research Geneticist, USDA-ARS Beltsville, MD

2:00 - 2:30 p.m.

#### **Pollinators for Berry Crops**

Dr. Natalie Boyle, Assistant Research Professor, Department of Entomology, Penn State University

2:30 - 3:00 p.m.

#### **Weed Management Strategies for Berry Crops**

Carrie Mansue, Sr. Program Coordinator, Rutgers University

3:00 - 3:30 p.m.

#### **Physiological Disorders of Tree Fruit**

Dr. Macarena Faruh, Assistant Professor and Extension Specialist of Horticulture, University of Maryland

3:30 - 4:00 p.m.

#### **Spot the Rot: Understanding Strawberry Neopestalotiopsis Disease**

Jill Pollok, Plant Diagnostician, University of Delaware

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**FVGAD General Vegetable Session | Exhibit Hall**

Tuesday, January 14, 2025

Moderator: Emmalea Ernest, Extension Fruit & Vegetable Specialist

9:00 - 9:05 p.m.

**Welcome**

Shane Marvel, FVGAD President

9:05 - 9:20 p.m.

**Update on Produce Food Safety Regulations**

Justin Grimminger, Produce Safety Program, Delaware Department of Agriculture

9:20 - 9:50 p.m.

**Produce Safety Update**

Dr. Kali Kniel, Professor of Microbial Food Safety, University of Delaware

9:50 - 10:20 p.m.

**Considerations for Mitigating Toxic Metal Contamination in Vegetable Crops**

Dr. Angelia Seyfferth, Professor of Biogeochemistry and Plant-Soil Interactions, University of Delaware

10:20 - 10:50 p.m.

**Using Laser and Electric Weeders in Vegetable Crops**

Dr. Thierry Besancon, Associate Extension Specialist in Weed Science, Rutgers University

10:50 - 11:10 p.m.

**Adapting our Ag Practices to Climate Risks - A.I. Climate Smart Solutions**

Dr. Gulnihal Ozbay, Professor and Extension Specialist in Natural Resources and Dr. Rose Ogutu, Horticulture Specialist, Delaware State University

11:10 - 11:40 p.m.

**One Straw Farm a Certified Organic Vegetable Farm in Maryland**

Joan Norman, owner of One Straw Farm

**FVGAD Fresh Market Vegetable Session | Exhibit Hall**

Tuesday, January 14, 2025

Moderator: Nick Adams, New Castle Co. Ag Agent

1:00 - 1:30 p.m.

**Management Update for Fresh Market Vegetable Pests**

Dr. David Owens, Extension Entomologist, University of Delaware

1:30 - 1:45 p.m.

**Sweet Corn Enterprise Budgets Across the Growing Season**

Nate Bruce, Farm Business Management Specialist, University of Delaware

1:45 - 2:15 p.m.

**What Might Be Lurking in Your Soil?**

Dr. Alyssa Koehler, Extension Field Crops Pathologist, University of Delaware

2:15 - 2:45 p.m.

**Optimizing Drone Spraying in Watermelons**

Dr. Haley Sater, Agriculture Agent, University of Maryland

2:45 - 3:15 p.m.

**Cover Crops for Plasticulture Row Middle Management**

Dr. Kurt Vollmer, Extension Weed Management Specialist, University of Maryland

3:15 - 3:45 p.m.

**Bird Deterrence in Sweet Corn with Laser Scarecrows**

Dr. Rebecca Brown, Professor of Plant Sciences, University of Rhode Island

3:45 - 4:00 p.m.

**Sweet Corn, Snap Bean and Lettuce Varieties with Stress Tolerance**

Dr. Emmalea Ernest, Extension Fruit and Vegetable Specialist, University of Delaware

**FVGAD Processing Vegetable Session | Exhibit Hall**

Wednesday, January 15, 2025

Moderator: Drew Harris, Kent Co. Ag Agent

9:00 - 9:05 p.m.

**Welcome**

Shane Marvel, President FVGAD

9:05 - 9:25 p.m.

**White Mold in Processing Vegetables**

Dr. Alyssa Koehler, Extension Field Crops Pathologist, University of Delaware

9:25 - 9:55 p.m.

**Management Update for Processing Vegetable Pests**

Dr. David Owens, Extension Entomologist,  
University of Delaware

9:55 - 10:15 p.m.

**Soil Amendments for Processing Vegetables**

Lyndsie Mikkelsen, Extension Vegetable and Fruit  
Agent

10:15 - 10:45 p.m.

**Effective Weed Control: The Focus is On the Weeds**

Dr. Mark VanGessel, Extension Weed Science  
Specialist, University of Delaware

10:45 - 11:15 p.m.

**Pea, Snap Bean and Lima Bean Variety Updates**

Dr. Emmalea Ernest, Extension Fruit and  
Vegetable Specialist, University of Delaware

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**2025 Invited Speakers**

**Dr. Thierry Besancon** is an Extension Specialist in Weed Science for Specialty Crops at Rutgers University. His research projects explore multiple weed control strategies to manage herbicide resistant weeds in fruit and vegetable crops.

**Dr. Natalie Boyle** is Assistant Research Professor in Entomology at Penn State University. Her research background is in improving the management of solitary and social bee species to maximize their contribution to commercial pollination services.

**Dr. Rebecca Brown** is Professor of Plant Sciences at University of Rhode Island. She has a variety of research interests including alternative crops, mulching techniques, soil amendments and development of automated laser scarecrows for bird deterrence.

**Dr. Kelly Hamby** is Associate Professor of Entomology at University of Maryland. She works on insect management in small fruit and grain crops.

**Dr. Kim Lewers** is the strawberry breeder and Research Geneticist based at the USDA's Beltsville, Maryland research station. She is working to develop disease resistant and adapted varieties for the Mid-Atlantic region. Her recent variety releases are Flavorfest, Keepsake, Cordial and Lumina.

**Joan Norman** is a founder and owner of One Straw Farm, a certified organic farm in Maryland. One Straw Farm has a 40-year history and currently markets most of its products through a CSA serving the Baltimore area.

**Dr. Haley Sater** is an agricultural extension agent for Wicomico County, Maryland specializing in fruit and vegetable production. Some of her recent projects have involved working with growers on vegetable variety trials and spray drone technology.

**Dr. Kurt Vollmer** is the Extension Weed Management Specialist at University of Maryland. He works on weed management in agronomic and vegetable crop systems, including weed management in plasticulture systems.

## Announcements

### Mid-Atlantic Crop Management School



Mid-Atlantic  
**Crop School**  
Obtain your continuing education units

NOV **19-21** 2024  
PRINCESS ROYALE | OCEAN CITY, MD

Crop School Reception hosted by Mid-Atlantic  
CCA Wednesday Night, be sure to RSVP

Early Bird Deadline: 10/25  
Last Day to Register: 11/8 <http://go.umd.edu/24crop>

### SAVE THE DATE

2025 Delaware Ag Week -January 13 through  
January 16 at the Delaware State Fairgrounds in  
Harrington, Delaware.

Poultry day will be Monday, January 13, 2025.  
Visit vendors starting at 12 noon. Program starts at 1 pm.

## Annie's Project 2024



Annie's Project empowers women in agriculture to be successful through education, networks, and resources.

- ✓ Learn from experts in the agriculture industry
- ✓ Develop lifelong partnerships
- ✓ Gain knowledge & confidence in farm management

This six week course will primarily focus on five areas of risk management: production, financial, legal, personal, and market. You will learn from experts in the Ag industry, gain knowledge and confidence in farm management and develop friendships with other women in agriculture.

6-week course | In-person or Virtual  
Tuesdays | 6:30pm-8:30pm | Jan. 21-Feb. 25, 2025  
University of Delaware Carvel Research & Education Center  
Georgetown, DE

Contact Lisa Collins with questions:  
lcollins@udel.edu | 302-831-3402

\$100 registration fee to cover meals and materials.



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COOPERATIVE  
EXTENSION

This program is brought to you by the University of Delaware Cooperative Extension, a service of the UD College of Agriculture and Natural Resources – a land-grant institution. The institution is an equal opportunity provider. If you have special needs that need to be accommodated, please contact the office two weeks prior to the event.

## 2024-2025 University of Delaware Traveling Winter Turfgrass Seminar

All 3 sessions will cover the same material. Please attend the session that is most convenient for you.

### Locations, Dates, and Times:

**Wednesday January 29, 2025 - 9:00 a.m. to 2:00 p.m.**

*Sussex County Extension Office (Carvel Research Station)*

16684 County Seat Hwy  
Georgetown, DE 19947

**Friday January 31, 2025 - 9:00 a.m. to 2:00 p.m.**

*Kent County Extension Office  
69 Transportation Circle  
Dover, DE 19901*

**Friday February 7, 2025 - 9:00 a.m. to 2:00 p.m.**  
*New Castle County Extension Office  
461 Wyoming Rd  
Newark, DE 19716*

### Seminar Agenda (Same for all counties)

**8:00 - 8:50** - Registration and Breakfast  
**8:50 - 9:00** - Opening remarks  
**9:00 - 9:50** - John Emerson, University of Delaware  
**10:00 - 10:50** - Matt Elmore, Rutgers University  
**11:00 - 11:50** - Lunch  
**12:00 - 12:50** - Carl Schimenti, Cornell University  
**1:00 - 1:50** - Jill Pollock, University of Delaware  
**1:50 - 2:00** - Closing remarks

Registration will begin at 8:00 a.m. Please arrive early to ensure a prompt check-in!  
Breakfast and lunch will be provided. If you have any dietary restrictions, please be sure to answer the last question on the registration form.

[Register Here](https://forms.gle/kaYuc5JE9hGhb37j9) (<https://forms.gle/kaYuc5JE9hGhb37j9>)

**If you have any questions, please call or text John Emerson at 859-621-0500 or email him at [jremer@udel.edu](mailto:jremer@udel.edu)**

**Breakfast:** Coffee and Donuts

**Lunch:** Capriottis

**Cost:** \$60.00/person

**\*\*\*\*\*Payment will be taken the day of the event you attend. Please, bring your form of payment with you. We will accept cash, check, or card. Make checks payable to 'University of Delaware'\*\*\*\*\***

### Speakers, Titles, and Abstracts:

***Best Management Practices for Lawn Care - the Good, Better, Best Approach***

Implementing best management practices (BMPs) for lawn and landscape care is often perceived as a daunting task, with lengthy checklists that leave managers unsure of where to begin. This presentation will introduce a practical approach to adopting BMPs, structured around a "good, better, best" framework. Starting with simple, low-effort BMPs that yield immediate benefits, we will discuss how to progressively incorporate more advanced practices that, while requiring greater effort, can significantly enhance the value of turfgrass. Attendees will learn to prioritize and scale their BMP adoption, make the the



process more approachable, manageable, and impactful.

**Mr. Carl Schimenti** - Carl is an Urban Environmental Scientist at Cornell University who studies the value of turfgrass in urban areas, and how management practices affect that value. His extension work focuses on promoting best management practices, and his research aims to provide tools to turfgrass managers to help optimize their resource use.

### ***Integrated Management of False-Green Kyllinga and Yellow Nutsedge***

This presentation will discuss the power of combining herbicide programs and turfgrass management to provide long-term control of various weeds, particularly sedges and false-green kyllinga. Identification, life cycle, and susceptibility to herbicides will be discussed. Research-based results showing the power of combining optimized herbicide programs synced with turf management practices such as seeding, fertilization, and mowing will be discussed. For example, false-green kyllinga research has been conducted by the presenter to evaluate various herbicide products; when kyllinga is most susceptible to these herbicides, how the herbicide efficacy can be improved with practices such as fertilization and turfgrass seeding, and the ability of kyllinga to establish from seed. This evidence-based approach will be discussed so attendees can augment existing sedge management programs with strategies for kyllinga and nutsedge control.

**Dr. Matt Elmore** - Matt Elmore is a faculty member and Associate Extension Specialist in Weed Science at Rutgers University. His research program at Rutgers focuses on weed control in turfgrass with a focus on integrated strategies for weed control in cool-season turf. Matt earned his B.S. in Turfgrass Science from Penn State University before moving south and earning an M.S. and Ph.D from the University of Tennessee in 2014 with an emphasis on turfgrass weed control.

### ***UD Plant Diagnostic Lab Yearly Update and Pest Management Trivia***

In the first part of this presentation, we will briefly cover the distribution of samples submitted to the diagnostic lab as well talk about pest trends seen throughout the year. In the second part, Jill and John will host a game show style event where attendees will answer trivia questions pertaining to pesticide label comprehension, basic math calculations, pest identification as well as biotic and abiotic stresses found in turfgrass and ornamental systems.

**Ms. Jill Pollok** - Jill Pollok has been the Plant Diagnostician at the University of Delaware since 2020, diagnosing problems of around 800 plant samples annually. Prior to UD, she was a plant pathology research specialist at a Virginia Tech research station. She received her master's degree from Virginia Tech in Plant Pathology, and she received her bachelor's degrees in Agroecology and Biology from Penn State.

### ***Indexing the Soil Nutrient Status of Turfgrass Systems in Delaware: What Does the Data Tell Us?***

Historic methodologies for how nutrient recommendations are derived is seen as flawed and often lead to unnecessary fertilizer applications that result in no improvement to turfgrass quality. The Minimal Levels of Sustainable Nutrition (MLSN) guidelines were an answer to this problem, but critics suggested that the soil test data set used in the development of MLSN was either not robust enough or too general to determine regionally accurate guidelines. Over the last 1.5 years I traveled the length of the state and collected 435 soil samples from good performing turf to build a data set that is specific to Delaware. In my talk we will cover flaws in traditional soil testing and fertilizer recommendations and highlight what the preliminary data from my research is suggesting.

**Mr. John Emerson** - John has been the Turfgrass Extension Agent at the University of Delaware since 2020. His time is split between the Nutrient Management Program and Pesticide Safety and Education Program. He earned a B.S. in Plant and Soil Science (Turfgrass Management) from the University of Kentucky and will complete his M.S. in Plant & Soil Science from the University of Delaware in 2025. His research is focused on the relationships between soil testing and nutrient recommendations for turfgrass systems. Prior to his time at UD, John was a golf course superintendent, turfgrass consultant, and a LCO business owner.

### **Continuing Education Credits:**

Nutrient Management and Pesticide credits will be requested from DE, MD, NJ, and PA. Credits will be attributed as they are approved.

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**Credit Opportunity Available for Carvel  
Field Day  
Online Activity**

Recordings of the Agronomic Crop and Fruit and Vegetable Tours held at Carvel on August 7, 2024, are now available along with an opportunity to earn credits by watching the videos.

<https://www.udel.edu/academics/colleges/canr/carvel/current-research/2024-field-crop-tours/>

Each tour contains five videos representing the stops on each tour. To obtain credit for a full tour, all five videos for that tour must be viewed. Viewers are required to submit the two keywords that appear randomly in each video (a total of 10 keywords per tour). Keywords will appear as closed captions for approximately 10 seconds. **The opportunity to earn credits will expire on December 31, 2024.** Visitors may earn credits for one or both tours. Use the google document from the link above to submit for credits.

Please verify your credits have been received by contacting Karen Adams, [adams@udel.edu](mailto:adams@udel.edu) after **January 3, 2025.**

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### Fresh Market Vegetable Grower Survey Online University of Delaware

Fresh market fruit and vegetable growers are invited to take a survey about their operations to help Extension make research and education plans for the next few years based on results. The survey should take 10-15 minutes to complete and allows growers the opportunity for suggestions.

Paper copies of the survey are available, email Lyndsie Mikkelsen [lyndsie@udel.edu](mailto:lyndsie@udel.edu) or call 302-650-3162 if interested!

Survey URL:

[https://delaware.ca1.qualtrics.com/jfe/form/SV\\_ezFc4kRfm1C8kOa](https://delaware.ca1.qualtrics.com/jfe/form/SV_ezFc4kRfm1C8kOa)

QR Code:



Please contact Lyndsie Mikkelsen [lyndsie@udel.edu](mailto:lyndsie@udel.edu) with any questions.

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### Watermelon and Pumpkin Grower Biofumigation Study Survey Online Activity

Watermelon and pumpkin growers, we are seeking survey responses to evaluate your familiarity with using biofumigation to reduce phytophthora and root-knot nematodes in these crops. We would like to hear about your experiences with this topic. The survey should take no more than five minutes to complete.

Here is the link to the survey:

[https://delaware.ca1.qualtrics.com/jfe/form/SV\\_02i7KXdPzDhbgS](https://delaware.ca1.qualtrics.com/jfe/form/SV_02i7KXdPzDhbgS)

Contact Nate Bruce at [nsbruce@udel.edu](mailto:nsbruce@udel.edu) or 302-362-7616 if you have any questions.

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### Grain Marketing Producer Survey Online Activity

Grain marketers, the University of Delaware, in collaboration with the Universities of Kentucky and Nebraska Lincoln, seeks your input on how you make grain marketing decisions on your own operation. The survey will help inform us to understand the risks and factors involved in making these decisions. In addition, data will be used to help us refine outreach education on grain marketing. Your individual survey responses will remain confidential as data will be aggregated. The survey will take 10 minutes or less to complete. Below is both a link to the survey and a QR code.

Link to Qualtrics survey:  
[https://delaware.ca1.qualtrics.com/jfe/form/SV\\_0JpiRk4gHsN2yHQ](https://delaware.ca1.qualtrics.com/jfe/form/SV_0JpiRk4gHsN2yHQ)

QR Code:



Contact Nate Bruce at [nsbruce@udel.edu](mailto:nsbruce@udel.edu) or 302-362-7616 if you have any questions.

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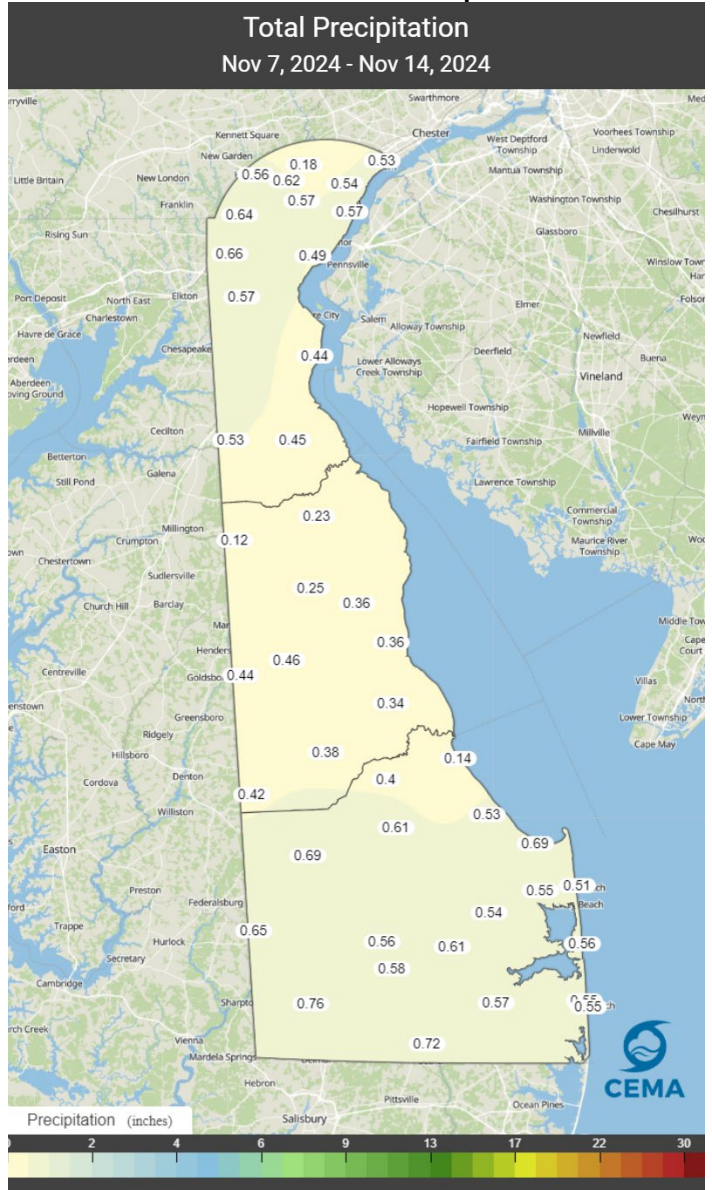
## Maryland Pesticide Disposal Program

Maryland Department of Agriculture Pesticide Regulation Section is sponsoring a Pesticide Disposal Program. Registrations are available now and can be obtained by contacting their office at 410-841-5710 or on the website at <https://mda.maryland.gov/plants-pests/Pages/Pesticide-Disposal-Program.aspx>.

This program is FREE to all ag producers on a first-come, first-served basis. Commercial pest control businesses and applicators, including public agencies generally cannot participate. Limited space may be available.

# Weather Summary

## 1 Week Accumulated Precipitation

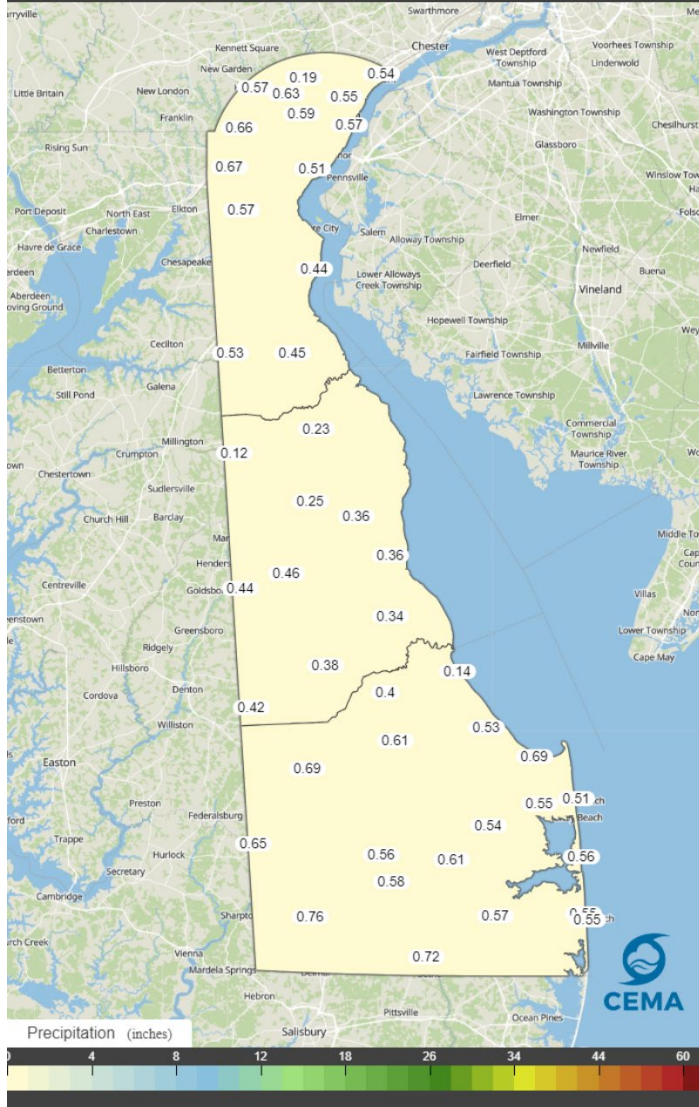




# 1 Month Accumulated Precipitation

## Total Precipitation

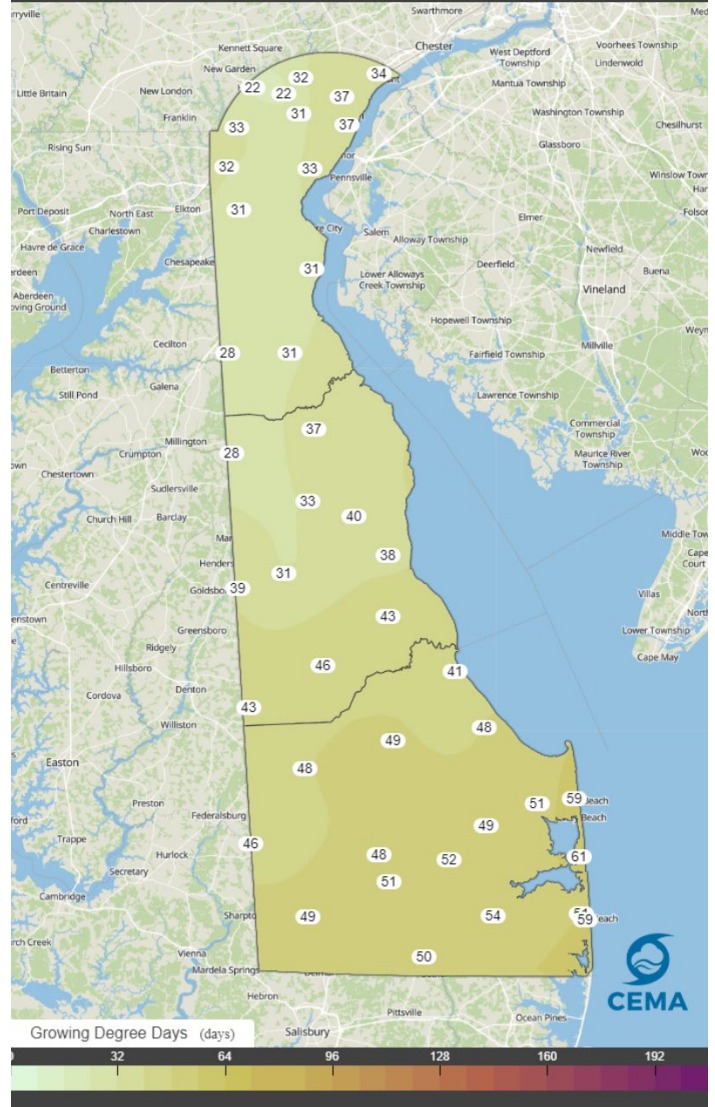
Oct 15, 2024 - Nov 14, 2024



# 1 Week Accumulated Growing Degree Days

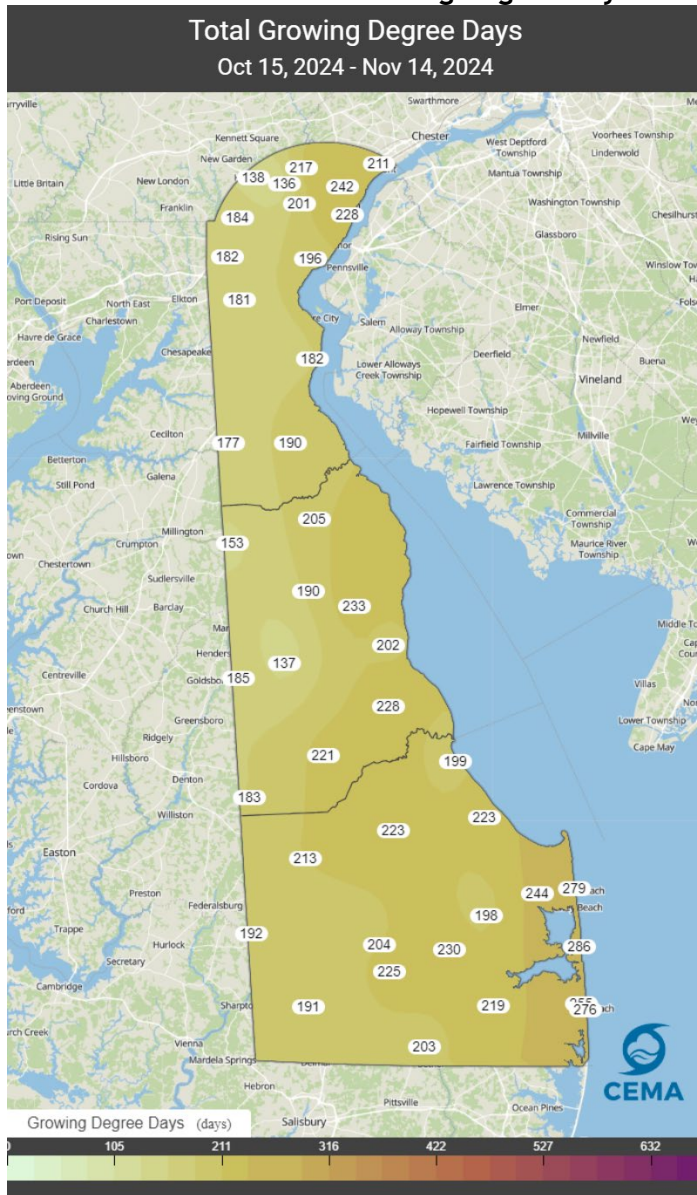
## Total Growing Degree Days

Nov 7, 2024 - Nov 14, 2024





# 1 Month Accumulated Growing Degree Days



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**Weekly Crop Update is compiled and edited by Emmalea Ernest - Extension Fruit & Vegetable Specialist, Drew Harris - Kent Co. Ag Agent and Lyndsie Mikkelsen - Fruit and Vegetable Agent**