



Volume 32, Issue 32 December 20, 2024

### **Notes**

#### Monthly Grain Market Outlook

Nate Bruce, Farm Business Management Specialist, <a href="mailto:nsbruce@udel.edu">nsbruce@udel.edu</a>

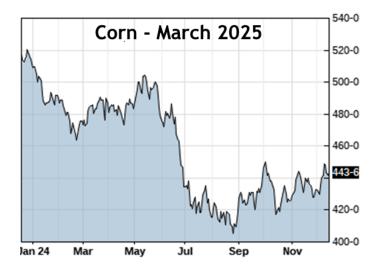
With corn supplies still relatively high, corn demand has recently increased on lower prices. This can be seen in the December USDA report in the next paragraph. It is reasonable to expect the market to continue moving up in the month ahead, despite high supplies that are more than likely built into market prices at this point. December and January were two of the best months to market corn this past year. This pattern could be shaping up again so make sure to keep on eye on corn prices the next two months. Corn prices have traded in a \$0.05 -\$0.25 range this month across futures. The trend in soybean prices has been down in recent months. The soybean export market window is closing before all emphasis is placed on a significant South American supply becoming available. It is hard to determine if soybean prices have reached a true bottom, but one thing is certain, this soybean markets are prime for buyers and not sellers. Soybean prices have been stagnant trading in a tight \$0.05 - \$0.15 range this month. That may change soon as the South American crop starts to take shape. Wheat prices have dropped across futures in recent months since peaking in October. The wheat market is currently trying to find a bottom. Wheat prices have traded in a \$0.05 - \$0.25 range across futures thus far in December.

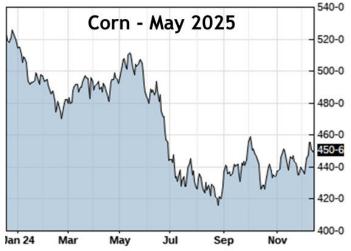
The December USDA (Word Agriculture Supply and Demand Estimates) WASDE report was published on December 10<sup>th</sup>, 2024. Estimated planted corn acres remained the same as the November estimate at 90.7 million acres. Estimated corn acres harvested also remained the same at 82.7 million acres. The estimated yield harvested per acre remained the same as the November estimate at 183.1 bushels per acre. Beginning stocks, production, imports, and feed demand remained unchanged from the November estimate. Food, seed, and industrial demand, ethanol demand, and exports all increased from the November report. Ending stocks decreased from 1,938 million bushels to 1,738 million bushels. Corn demand has increased slightly on lower prices. The estimated average farm season price remained the same at \$4.10 per bushel. The December WASDE left estimated planted soybean acres the same as the November report at 87.1 million acres. Estimated soybean acres harvested also remained the same at 86.3 million acres. The estimated harvested yield per acre also remained unchanged at 51.7 bushels per acre. The December report did not make any revisions to soybeans from the November report. Supply and demand remained unchanged. Estimated sovbean ending stocks are projected at 470 million bushels. The estimated farm season average price is projected at \$10.20 per bushel. The December WASDE did not make any revisions to estimated planted wheat acres at 46.1 million acres. Estimated harvested wheat acres also remained unchanged at 38.5 million acres. Estimated wheat yield per acre remained the

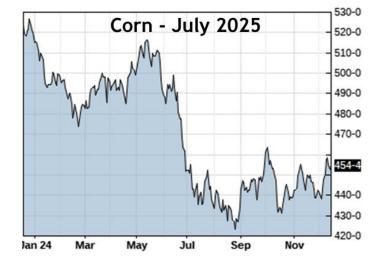
same as the November estimate at 51.2 bushels per acre. Beginning stocks, production, and domestic demand all remained unchanged from the November report. Wheat imports and exports both increased from the November estimate. Wheat ending stocks fell from 815 million bushels to 795 million bushels. The average farm season price remained the same at \$5.60 per bushel. The next WASDE report will be released on January 10<sup>th</sup>.

Early reports out of South America predict a significant crop of soybeans. CONAB, the Brazilian version of USDA, increased their estimate for soybean output at for the 2024-2025 marketing year at 166.143 million tons. Weather thus far has been favorable for South American producers. One of the biggest questions on ag markets going into 2025 is how the proposed tariffs by the new administration will impact prices. The first China trade war had a \$11 billion dollar impact on producers and brought China and Brazil closer together. With discussion of proposed tariffs in the campaign cycle, it will be worth watching in the earliest part of 2025. Corn prices have the potential to be impacted as well by tariffs, as there has been discussion to put tariffs on both Mexico and Canada. This could have a negative impact on US corn exports to Mexico in particular as Mexico has made threats in the past.

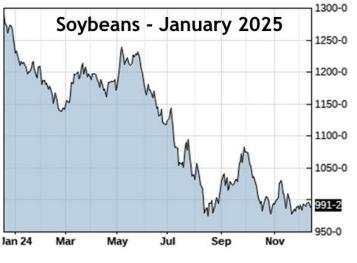
#### **Corn Futures**







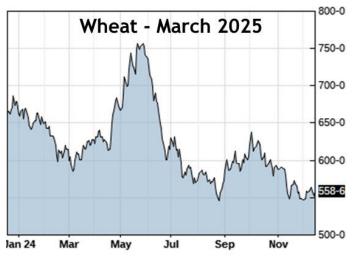
### Soybean Futures

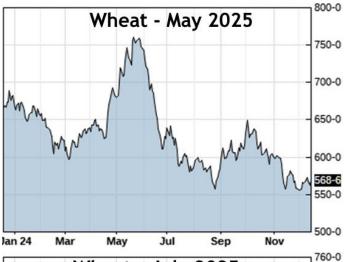


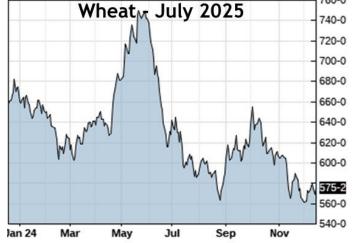




#### **Wheat Futures**







996-4

950-0

#### <u>Fruit and Vegetable Meeting Agendas for Ag</u> 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, University of Delaware 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 Farcuh, 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, University of Delaware 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

### TVCAD From Market Verstable Session I

### FVGAD Fresh Market Vegetable Session | Exhibit Hall

Tuesday, January 14, 2025

Moderator: Nick Adams, University of Delaware

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, University of Delaware 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, University of Delaware 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.

#### New Castle and Sussex Property Reassessment

Property assessments are almost fully completed in New Castle and Sussex Counties. Farmers and especially poultry producers who want to learn more about the process or appeal their assessment because of a potential error are encouraged to do so. This can be done by contacting your county's Office of Assessment or accessed through their website for more information. In 2023, Kent County property assessments were completed, and the appeals process has since passed. The links to each county website are provided below, information on this website can also provide you with details related to school taxes which also impact total property taxes.

**New Castle County** 

https://www.newcastlede.gov/181/Assessment

**Kent County** 

https://www.kentcountyde.gov/Residents/Tax-Credits-Exemptions-Assessment

**Sussex County** 

https://sussexcountyde.gov/reassessment

### **Announcements**

#### **Delaware Agriculture Week**

Monday, January 13 – Thursday, January 16, 2025

Delaware Agriculture Week will be held at the Delaware State Fairgrounds in Harrington from January 13-16, 2025! Delaware "Ag Week" is brought to you by the Delaware Department of Agriculture, University of Delaware Cooperative Extension and Delaware State University Cooperative Extension. Delaware Ag Week provides useful and timely information to the agricultural community and industry through educational meetings and events. In addition, it is a great time for networking and fellowship with old and new acquaintances.

The associated trade show will take place in the Dover Building from Monday afternoon, January 13 to Thursday January 16.

Delaware and Maryland pesticide and nutrient management credits and CCA credits will be available.

Check out the Ag Week website for detailed session schedules and agendas: <a href="https://sites.udel.edu/delawareagweek/">https://sites.udel.edu/delawareagweek/</a>

#### **General Session Schedule**

Monday, Jan. 13	Tuesday, Jan. 14	Wednesday, Jan. 15	Thursday, Jan. 16
Poultry	General Vegetable	Processing Vegetable	Agronomy - Soybean
Beef	Fresh Market Vegetable	Swine	Agronomy - Corn
Fruit	Hay and Pasture	Precision Ag/Irrigation	FSA Emergency Loans
Farm Bureau	Woodland	DDA Farm ToPrograms	<b>DIMS Training</b>
	<b>DIMS Training</b>	Pollinator	Urban Farm and Food -
	Grain Marketing Club	Soil Health	Wilmington
	Small Ruminant	Annie's Project Reception	
	DIMS Training	Small Flock Poultry	

#### **POULTRY 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.

#### **Delmarva Annies Project Reception**

Wednesday, January 15th, 2025 6:00-8:00 p.m. Delaware State Fairgrounds 18500 S. Dupont Highway Harrington, DE 19952

University of Delaware and University of Maryland will be offering Annies Project courses in 2025. Registrants for the 2025 classes are invited to an

Annies Project reception during Delaware Ag Week. Amy Syester, a past Annies Project alumni, will discuss how Annies Project helped her achieve her agricultural goals. The reception is sponsored by Horizon Farm Credit and hors d'oeuvres will be provided.

To register, please contact Lisa Collins.

E: lcollins@udel.edu

P: 302-856-7303

Please contact Nate Bruce <u>nsbruce@udel.edu</u> with any questions.

#### **Entomology Surveys**

David Owens, Extension Entomologist,

owensd@udel.edu

Tis the season for insect pest surveys! This year, we have three active survey efforts, please take a look and a few minutes to fill out these surveys. They help us justify our insect monitoring efforts, secure funding for those efforts, and guide research and extension activities. Please help me help you! A couple of survey respondents will also be sent a thank you gift.

1. Soybean pest loss annual survey - now with corn questions too!

https://delaware.ca1.qualtrics.com/jfe/form/S V\_8GnhiHa4rn9ToPP



2. University of Delaware Insect Trapping Economic and Pest Impact survey

https://delaware.ca1.qualtrics.com/jfe/form/S V\_9mNMsYAzR2Rhb8i



3. University of Maryland Sweet Corn Economics

https://ume.qualtrics.com/jfe/form/SV\_0wk9kR XyebrKakm



#### Marketing Assistance for Specialty Crops

The Marketing Assistance for Specialty Crops (MASC) program, provided by the USDA's Farm Service Agency, offers financial support to specialty crop producers to help them expand and develop new marketing options for their crops. The deadline to apply is January 8, 2025. Use the link below offer more information.

https://www.fsa.usda.gov/resources/programs/ marketing-assistance-specialty-crops-masc

**Annie's Project 2025** 



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: |collins@udel.edu|302-831-3402



\$100 registration fee to cover meals and materials.

This program is brought to you by the University of Delaware Cooperative Extension, a service of the UD College of Agriculture a latural Resources — a land-great institution. This institution is an equal apportunity provider. If you have special needs that need to accommodated alones contact the office but weeks start to the

## 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)

## If you have any questions, please call or text John Emerson at 859-621-0500 or email him at <u>jremer@udel.edu</u>

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 moving 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.

#### 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, <u>adams@udel.edu</u> after January 3, 2025.

# 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-

15minutes to complete and allows growers the opportunity for suggestions.

Paper copies of the survey are available, email Lyndsie Mikkelsen <u>lyndsie@udel.edu</u> or call 302-650-3162 if interested!

Survey URL:

 $\frac{https://delaware.ca1.qualtrics.com/jfe/form/SV\_ezFc4k}{Rfm1C8kOa}$ 

QR Code:



Please contact Lyndsie Mikkelsen <u>lyndsie@udel.edu</u> with any questions.

#### 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 02i7 KXdpzDhbgsS

Contact Nate Bruce at <u>nsbruce@udel.edu</u> or 302-362-7616 if you have any questions.

#### **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:

 $\frac{https://delaware.ca1.qualtrics.com/jfe/form/SV\_0JpiRk}{4gHsN2vHQ}$ 

QR Code:



Contact Nate Bruce at nsbruce@udel.edu or 302-362-7616 if you have any questions.

#### 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 <a href="https://mda.maryland.gov/plants-pests/Pages/Pesticide-Disposal-Program.aspx.">https://mda.maryland.gov/plants-pests/Pages/Pesticide-Disposal-Program.aspx.</a>

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





#### 1 Month Accumulated Growing Degree Days



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

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