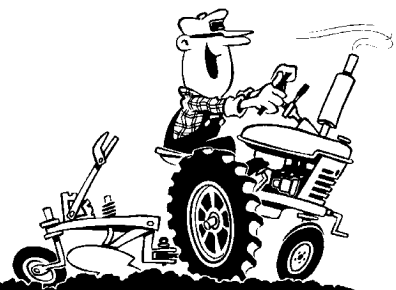


# Cultivating Cumberland

January - 2021 VOL. 26, ISSUE 1

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## COVID-19 Closure Information

Please be aware that while the Rutgers Cooperative Extension Office of Cumberland County may be closed to the public, you can still reach your County Agents by calling (856) 451-2800.

Updates about our office can be found on <https://cumberland.njaes.rutgers.edu/> and [www.co.cumberland.nj.us](http://www.co.cumberland.nj.us)

Department	Contact	Email
Commercial Agriculture	Wesley Kline	wkline@njaes.rutgers.edu
Environmental	Sal Mangiafico	mangiafico@njaes.rutgers.edu
Nursery Production	Tim Waller	twaller@njaes.rutgers.edu

- Follow our Facebook page to stay up to date on Food Safety Issues. <https://www.facebook.com/RutgersOnFarmFoodSafety/>
- New Covid-19 information is added to our website at least weekly: [onfarmfoodsafety.rutgers.edu](http://onfarmfoodsafety.rutgers.edu)
- To stay current on commercial agriculture information, including updates on Covid-19, join the Rutgers Plant and Pest Advisory at <https://plant-pest-advisory.rutgers.edu/>, click on the subscribe link at the top of the page then click EMAIL on the edition you are interested in subscribing to. If you are interested in more than one edition you need to subscribe to each one individually. Current editions are vegetable, fruit, and landscape/nursery/turf.

**Farm Tag Certificates are by mail only!**

**Please see page 8 for more info**

### **GAP/GHP and Harmonized Audit Certifications Extended**

If you have an audit certification which expires between December 10, 2020 and February 28, 2021 the certification has been extended until March 1, 2021. A grower can still ask for the audit during this period if desired.

### **Food and Drug Administration Extends Traceability Comment Period**

The U.S. Food and Drug Administration is extending the comment period for the proposed rule entitled “Requirements for Additional Traceability Records for Certain Foods” and reopening the comment period for the information collection provisions until February 22, 2021.

The proposed rule published in the Federal Register on September 23, 2020 and included a 120-day comment period for the proposal and a 60-day comment period for the information collection provisions, which closed on November 23, 2020. The FDA previously signaled its intention to extend the comment period for the information collection provisions after hearing concerns from several stakeholders that more time was needed to adequately review and analyze those provisions with consideration to the entire proposed rule. The announcement today formally reopens and extends the comment period for the information collection provisions and extends the comment period for the entire rule. Both comment periods are now aligned and will close on February 22, 2021.

### **Northeast Organic Seed Conference**

The third biennial Northeast Organic Seed Conference will take place virtually from January 16 – 24, 2021. A “conference within a conference”, this event is held in conjunction with the Northeast Organic Farming Association of New York’s 2021 Winter Conference.

The Northeast Organic Seed Conference will offer a week of virtual workshops and discussion groups on topics including seed saving, organic seed production, seed rematriation, Indigenous seed stewardship, and plant breeding. Featured speaker Banu Subramaniam, Professor of Women, Gender, Sexuality Studies at the University of Massachusetts, Amherst, will offer a keynote address on Thursday, January 21 .

Visit [nofany.org/2021-winter-conference/seed-conference/](https://nofany.org/2021-winter-conference/seed-conference/) to access the full event schedule and register for the conference.

### **The North American Raspberry & Blackberry Conference will be a virtual event in 2021**

The conference, Feb. 22-25, features more than 24 hours of presentations and panels, with live question-and-answer sessions, which will be recorded and available for viewing later, according to a news release.

The event will feature virtual exhibitor booths, networking events, live demos and a series of side events, chat opportunities and online forums on a variety of topics that include young growers, berry breeding and meetings with entomologists.

For more information and registration, visit the North American Raspberry & Blackberry Association’s website.

## **Rutgers Online Beekeeping Courses**

### **For New and Experienced Apiarists**

Bee the change you want to see. If you are looking for a way to make a positive environmental impact on this planet, maintaining a beehive on your property is a fun opportunity to foster the natural circle of life. Plus, it comes with some sweet rewards. Whether you are brand new to beekeeping or have a few years of apiary experience, gain valuable insights to further your beekeeping hobby or business by attending some or all of these expert-led online classes.

### **Bee-ginner's Beekeeping: Basics of Apiculture Course**

**February 1-15, 2021 | 15-Hours Self-Paced | \$300**

Learn how you can start, maintain, and care for a honey bee colony as you complete the course modules at your own pace when it's convenient for you. Topics include bee biology, bees in an urban setting, disease and mite prevention, hive assembly and management, honey extraction, queen bee purchasing, and more.

Register at <http://www.cpe.rutgers.edu/courses/current/ae0401wb.html>

### **Seasonal Planting for Honey Bees Webinar**

**March 11, 2021 | 6:30pm to 8:00pm EST | Online | \$55**

Essential to their lives, honey bees need an abundance of food when they prepare for and emerge from the winter months. Learn how to better support your local bee populations by improving the seasonal variety of beneficial plants.

Register at <http://www.cpe.rutgers.edu/courses/current/ae0407wa.html>

### **Small Scale Queen Rearing Webinar**

**March 24, 2021 | 6:30pm to 8:00pm EDT | \$55**

In this workshop, learn about queen and drone biology, stock selection, queen rearing techniques, tools and equipment, starter and finisher hives, setting up mating yards, and record keeping.

Register at <http://www.cpe.rutgers.edu/courses/current/ae0406wa.html>

### **Sustainable Beekeeping Webinar**

**April 6, 2021 | 6:30pm to 8:00pm EDT | Online | \$55**

In the US, beekeepers lose 30% - 40% of their hives each year. In this webinar, learn methods to maintain your beehives in a more sustainable way by minimizing losses through management, using local bee stocks, and creating resource hives.

Register at <http://www.cpe.rutgers.edu/courses/current/ae0405wa.html>

## **PEI Potato Seed Exports to U.S. Halted**

*Canada takes immediate action in response to potato wart detection*

The Canadian Food Inspection Agency (CFIA) confirmed the presence of potato wart (*Synchytrium endobioticum*) in two fields on a farm in Prince Edward Island (PEI), according to a pest report issued by the UN's Food and Agriculture Organization (FAO) and the International Plant Protection Convention (IPPC). In response, the National Potato Council's CEO Kam Quarles has released the following statement:

"The National Potato Council supports CFIA's immediate action to stop all PEI seed shipments into the United States and are working with our state potato organizations to inform U.S. growers who may be intending to source seed from PEI for the upcoming year.

"We have been advised that no seed from the identified areas has been shipped to the United States in four years. However, we are working closely with USDA to monitor recipients of seed in years-past out of an abundance of caution.

"We are in communication with APHIS regarding CFIA's ongoing survey work to comprehensively determine the level of threat within Canada and are also urging CFIA to prohibit all domestic seed shipments out of PEI to prevent spread within Canada until they can confirm no other farms have been jeopardized.

"NPC appreciates the rapid response of CFIA and APHIS to this threat and their commitment that it be addressed based upon the best available science relating to this destructive disease."

Also, seed supplies are short for 2021. If you have not secured your seed potatoes for next spring do so immediately!

## **Winter Webinar Series**

To assist farmers markets, farmers, and farm educators in preparing for the upcoming 2021 farmers market season, and ensure the continued resurgence in supporting local food purchasing, the Farmers Market Federation of NY and Cornell Cooperative Extension of Broome County are hosting a series of webinars to further showcase the SARE Consumer Survey Toolkit. Each session will look at sections of the toolkit with the goal to help prepare farmers markets to better reflect consumer attitudes toward shopping at farmers markets. Presenters will highlight programs, services and policies at markets across New York State featuring markets of all sizes in urban, suburban and rural areas.

All sessions are presented through a webinar format to allow maximum participation. You are invited to join any and all sessions at no charge. But registration is required. Please use the registration links for each session and register yourself for each session. A link to the webinar will be emailed to you following your registration.

Learn more and register at <https://www.nyfarmersmarket.com/winter-webinar-series>

## **CSA Innovation Network**

### **Farmer to Farmer Exchange**

#### **Ecommerce Platforms**

In early 2020 as COVID-19 hit the United States, consumers quickly moved to purchasing food directly from farmers. Farmers responded by moving quickly to online sales, contactless payments, and contactless deliveries. In order to assist farmers with choosing a software platform for their direct sales, the National Young Farmers Coalition produced a Farmer Guide to Direct Sales Software Platforms. That guide focuses exclusively on farm-specific sales platforms and includes details on pricing, features, and links to additional information on 19 different platforms.

This report details farmer ratings for the five most popular of those farm-specific sales platforms plus four additional platforms that are not farm-specific and are used by many farmers. This report is designed as a companion piece to the Farmer Guide to Direct Sales Software Platforms and will not repeat information contained in that Guide. Instead, it will augment the Guide with farm-to-farmer ratings and details about farmer experiences using the platforms.

The information in this report was compiled through a national survey of farmers conducted by the CSA Innovation Network from 29 May to 30 June 2020. There were a total of 170 anonymous responses, with 143 farmers contributing data on the 23 platforms included in the survey, and 59 of those farmers contributing data on multiple platforms. This report highlights the 9 platforms that received ratings from at least 10 farmers. For information on additional platforms that did not make it into our top 9, see the National Young Farmers Coalition Farmer Guide to Direct Sales Software Platforms the Lake Pepin Local Online Platform Comparison Chart for Aggregated Sales and the Resources at the end of this report.

View the PDF at <https://static1.squarespace.com/static/5e70ea6d10d5dc73a27d1184/t/5fd7aadb38e6e773f6256aed/1607969500141/Farmer+to+Farmer+eCommerce+Platforms+Report.pdf>

## **Northeast Organic Farming Association of NY**

### **Winter Conference**

Online — January 16 – 23, 2021

Register for Full Conference or Day Passes at <https://registration.socio.events/e/nofany>

#### **Workshop Highlight: Pricing Your CSA**

##### **Presenters:**

Elizabeth Higgins (Cornell Cooperative Extension)

Briana Alfaro (NOFA-NY Outreach Coordinator)

This presentation explores the variables to consider when pricing Community Supported Agriculture shares, using data collected from CSAs across New York State. Learn how to analyze and use regional trends and opportunities to better predict how prices are likely to move, and how to set and adjust prices based on your business strategy. The examples in the presentation focus on CSAs, but the same thought process can be applied to setting prices for other farm products. NOFA-NY staff will present the Organic Price Index, another tool to help inform pricing for NY products.

### **New Legal Resource for Farmers Market Operators**

The team at Vermont Law School's Center for Agriculture and Food Systems (CAFS), in partnership with the Farmers Market Coalition and NOFA-Vermont, is pleased to share a new legal resource for farmers market operators.

Many farmers markets face questions about free speech—in particular, what types of restrictions markets can place on activities like leafleting, political campaigning, and protesting. Are farmers markets obligated to allow these types of activities as exercises of free speech under the First Amendment?

A new factsheet, available here, breaks down this complicated question. Reference it for a background on the legal context of free speech, find out what types of speech can be restricted at any market, and use handy decision trees to make market rules without infringing upon First Amendment rights. The factsheet is part of our Farmers Market Legal Toolkit website, which includes open-access legal resources that assist markets in becoming more resilient and accessible.

For more updates on this and other law and policy resources developed at CAFS, feel free to subscribe to our newsletter at <http://cloud.emails.vermontlaw.edu/CAFS-Newsletter> or follow us on Instagram, Twitter, or Facebook.

This material is based upon work supported by the National Agricultural Library, Agricultural Research Service, U.S. Department of Agriculture.

## **2021 NYS Farmers Market Managers Virtual Conference**

### **"Reimagining Markets for a Brand New World"**

**March 1st-4th, 2021**

#### **Farmers Market Managers Virtual Conference 2021 to highlight adapting Markets in our newly changed environment**

2020 showed us the dynamic resilience of Farmers Markets and their operators to restructure, redesign, and renovate for safely providing delivery of locally grown nutritious food for their customers. The 2021 NYS Farmers Market Managers Conference will highlight lessons learned through the 2020 season by looking at best practices and expand upon how markets can be reimagined as agents of change for future challenges while continuing to create successful marketplaces.

Three featured conference sessions to look forward to are the following:

#### **ADA Requirements and Farmers Markets**

We welcome guest speaker Stephanie Woodward, an attorney and disability rights advocate. Stephanie will help markets better understand the needs of the disabled community, ADA legal requirements, and how to improve market access and the market experience. She will talk about service animals, what is allowed, what is required, and how we navigate through the process. She will also highlight the issue of mask wearing mandates – what are everyone's rights and how to best protect everyone.

#### **De-escalating Contentious Situations at Markets — Skills for Resolving Conflicts**

Will Nassau is a de-escalation negotiator with Nassau Facilitation Services. Will's presentation will help us to better resolve issues that have the potential to blow up on us – customers who refuse to follow rules, vendors that feel entitled. By using real-life examples, Will uses an interactive technique with the audience to learn to understand the behavior and diffuse the conflict before it gets out of hand.

#### **Undoing Racism at Our Farmers Markets**

Taisy Conk, Program Director of Community Food Action, and Iyeshima Harris, Project Director of East New York Farms will lead this session which focuses on how markets can develop strategies to reflect ethnic and diverse communities. This interactive workshop will provide a space to discuss how race and racism affect farmers markets' staff, customers, and vendors. The facilitators and participants will share challenges, practices, and successes in building more just and equitable markets.

The conference will also feature interactive networking opportunities to allow managers to share experiences, ideas, and challenges; a virtual tour of the Kriemhild Dairy farm, built-in fatigue breaks, and a virtual Happy Hour hosted by Jim Farr of the Rochester Public Market and featuring John Urlaub, owner of the Rohrbach Brewing Company in Rochester, NY. Together they will lead us to celebrate farmers markets and a successful conference.

**View the Full Agenda at**

<https://static1.squarespace.com/static/5e70ea6d10d5dc73a27d1184/t/5fb2baf0585083165f0a3de2/1605548785102/2021+NYS+Farmers+Market+Managers+Virtual+Conference+Agenda.pdf>

The conference registration fee of \$50 per person will cover the full conference, including access to presentation documents and recordings. Register now for the 2021 Farmers Market Managers Conference: "Reimagining Markets for a Brand New World". All registrations and payments will be done online through Eventbrite. Once registered, you will receive an email with your unique links to all conference sessions.

**Register for Conference 2021 at**

<https://www.eventbrite.com/e/2021-nys-farmers-market-managers-conference-tickets-128550503015>

For more information, contact the Farmers Market Federation of NY at [deggert@nyfarmersmarket.com](mailto:deggert@nyfarmersmarket.com) or call 315-400-1447.

**Farm Truck Certificates**

We are currently doing farm tag certificates by mail only.

Pick up an application from the front entrance of our building or email

[BrandiWi@co.cumberland.nj.us](mailto:BrandiWi@co.cumberland.nj.us) for a downloadable PDF version. The applications are in a plastic bin on the front steps of our office building. You will need a separate application for each different registered name on the motor vehicle registrations. Be sure your application includes the EXACT name on the registration.

For example: If you have a truck registered to "John M. Deere" and a truck registered to "Deere Farms, LLC." you will need 2 applications.

- 1) Fill out the entire application and make sure to sign it.
- 2) Include a self-addressed, stamped envelope in your mailing. This is how we will mail your certificate to you.
- 3) Mail the application and envelope to us at:

Rutgers Cooperative Extension Ag Dept., 291 Morton Ave., Millville, NJ 08332

Email [brandiwi@co.cumberland.nj.us](mailto:brandiwi@co.cumberland.nj.us) if you have any questions or would like a digital copy of the application to print out. You will still have to mail the form and an envelope to us.

Call us at 856-451-2800 ext 1 with any questions.



## **Global Organic Produce Expo Home**

### **Online Event—January 25-29, 2021**

This year's GOPEX will deliver a unique digital program with a robust schedule, including:

#### **Jenny Tucker**

**Deputy Administrator**

**USDA Agricultural Marketing Service**

The Latest on Organics,  
Economics and Legislation

From the effects of COVID-19 to the latest on the Strengthening Organic Enforcement (SOE) Rule, the USDA's Jenny Tucker will be featured on a blockbuster panel covering numerous, top-of-mind organics issues.

#### **Jeff Huckaby**

**President**

**Grimmway Farms**

A Partnership for the  
Future of Organics

Jeff Huckaby of Grimmway Farms and the Cal Organic brand and Andy Thulin, Dean of the Cal Poly College of Agriculture, Food and Environmental Sciences will discuss their dynamic partnership and upcoming joint research plans.

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## **Register Now for FREE**

**Event Schedule at**

<https://events.farmjournal.com/global-organic-produce-expo-2021/agenda>

**Event Registration at**

<https://events.farmjournal.com/global-organic-produce-expo-2021/begin>

## **GAPs Online Produce Safety Course**

The 2021 English GAPs Online Produce Safety Course is scheduled for:

**January 13, 2021 and running through February 2, 2021**

**March 10, 2021 and running through March 30, 2021**

**May 12, 2021 and running through June 1, 2021**

The GAPs Online Produce Safety Course is not equivalent to the required supervisor training described in the FSMA Produce Safety Rule 21 CFR Subpart C § 112.22(c). This GAPs Online Produce Safety Training Course may, however, satisfy training requirements as described in the FSMA Produce Safety Rule in §§ 112.22(a) and (b).

To register for any session of the GAPs Online Produce Safety Course, visit the National Gaps Program eCornell registration

A minimum of 10 people must be registered for us to offer the course and class size is limited to 25 people. The course price is \$225.

Taking this course will not result in your farm being "GAPs Certified". GAPs certification is done by a third party (e.g. USDA, Primus, Global GAP) and involves the successful completion of an on-farm audit. This course is intended to improve your understanding of GAPs to guide assessment of risks and implementation of practices to reduce risks on fresh produce farms.

The Produce Safety Alliance (PSA) website maintains a list of Upcoming Grower Training Courses that meets the requirement in § 112.22(c) of the FSMA Produce Safety Rule. There is an Online PSA Grower Training Course available if you need to meet the § 112.22(c) requirement.

Please let Don Stoeckel ([dstoeckel@cornell.edu](mailto:dstoeckel@cornell.edu)) know if you have any questions or concerns. View more information about the GAPs Online Produce Safety Course.

E-mail Michele Humiston ([mmc15@cornell.edu](mailto:mmc15@cornell.edu)) if you wish to receive e-mail notifications of future online course dates and open registrations, or if you wish to be removed from the GAPs online course listserv.

## **30th ANNIVERSARY RUTGERS TURFGRASS SYMPOSIUM**

### **Advances in Turfgrass Science: Looking to the Future**

The Center for Turfgrass Science at Rutgers University will host the 30th Anniversary Rutgers Turfgrass Symposium on Thursday, March 18, 2021 as a virtual event. Oral presentations will run from 9:00 AM to 4:00 PM. Dr. Cristobal Uauy, of the John Innes Center (United Kingdom), will present a keynote address entitled "Unlocking the polyploid potential of crops through genomics." This year's symposium will focus on recent advances in turfgrass science.

Pre-registration will be required; details regarding on-line registration will be provided later.

### **The following Bulletin and Fact Sheets are now available on NJAES Publications:**

- FS1270                      Ecological and Economic Importance of Bats in Integrated Pest Management  
Maslo, B. and Kerwin, K.  
Find it online at <https://njaes.rutgers.edu/fs1270>
- FS1326                      Bed Bug Prevention and Control for Health Workers  
Abbar, S., Wang, C., and Cooper, R.  
Find it online at <https://njaes.rutgers.edu/fs1326>
- FS1327                      Cockroach Species in New Jersey and Their Control Strategies  
Wang, C., and Cooper, R.  
Find it online at <https://njaes.rutgers.edu/fs1327>
- FS1328                      Soil for Raised Beds  
Murphy, S.  
Find it online at <https://njaes.rutgers.edu/fs1328>
- E366                         The Economic Importance of New Jersey's Food System in 2017.  
Sullivan, K. and Schilling, B.  
Find it online at <https://njaes.rutgers.edu/pubs/publication.php?pid=E366>

## Primer on Anti-Transpirant Applications

 [plant-pest-advisory.rutgers.edu/primer-on-anti-transpirant-applications](http://plant-pest-advisory.rutgers.edu/primer-on-anti-transpirant-applications)

December 14, 2020

### Purpose

During the weeks of late fall & early winter, many landscapers apply their annual anti-desiccant sprays to broadleaf evergreen plants. Some of the common trade names of these liquid resin, spray-on products include Vapor-Guard, Wilt-Pruf, Stress Guard, and Nu-Film. Although plants go dormant during the winter, evergreens will continue to transpire given certain conditions. These applications help reduce excessive water loss from leaves during the dry winter months when the ground is frozen. An anti-transpirant is a film-forming complex of polyethylene's and polyterpenes that when applied to foliage will reduce the moisture vapor transmission rate. Although much of the transpiration from leaves occur through small openings (stomates) under the leaves, a significant amount of water loss can also occur directly through the leaf cuticle or epidermis. The anti-transpirants function by increasing cuticle thickness of broadleaf evergreens.



This *Rhododendron* may have some winter injuries, but the primary cause for the plant decline is from wood borers. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)



Anti-transpirant sprays will not protect foliage from excessively cold temperatures. (Photo Credit: Minuteman Landscaping)

### Use of Anti-Transpirants

When 1 gallon of an anti-transpirant is applied to 10 to 20 gallons of water, plant moisture loss during the winter months is reduced between 15 to 20%. In addition, at the 5-10% dilution rate, the sprayed film produces a glossy sheen on broadleaf evergreens that is appealing to many clients during the holiday season. Some

product labels state that a single application will last through the winter season, whereas other labels indicate a second application during mid-winter provides best results. Note that some of the most severe moisture loss from broadleaf evergreens typically occurs during late winter periods (e.g., February). Furthermore, the rate of transpiration will be greatest on plants growing in full sun on warmer, windy days. Hence, an anti-desiccant in place during this time and under these conditions will usually be most beneficial.



Magnolia leaf showing classic symptoms of winter burn. (Photo Credit: UMd Coop. Ext.)



Aucuba with glossy foliage after anti-transpirant spray. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)



Aucuba foliage prior to spray of anti-transpirant. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)

### **No Guarantees**

The use of an anti-desiccant does not guarantee that foliage will be spared against winter “burn” type injuries. It should be remembered these treatments do not prevent, but only reduce moisture loss during the winter. Furthermore, anti-desiccants do not protect against plant cells being damaged from the formation of ice crystals within the foliage during excessively cold temperatures. Actually, tests indicate that anti-transpirants are most useful when the air temperature is above freezing, but the soils are still frozen or cold (water movement is extremely slow in soils or plant stems when temperatures are below 40°F.).



American holly with glossy foliage after anti-transpirant spray. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)



American holly foliage prior to anti-transpirant spray. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)

### **Precautions**

As always, it is important to read the label included with all anti-transpirant products. Notice that some of these products are designed to be used only with broadleaf and needled evergreens and should not be applied to evergreens having scale-like leaf foliage (i.e., junipers, arborvitae, *Cryptomeria*, *Chamaecyparis*, & Leyland cypress). Using some anti-desiccants on scale leaf evergreens, for example, may encourage winter type injuries. In addition, when some anti-transpirants are sprayed late in the afternoon, they dry more slowly during the evening hours causing the film-ingredients to separate-out. This may cause a persistent white, frosty film to occur on the surface of broadleaf evergreens (e.g., Rhododendrons) appearing later in the winter that is not aesthetically pleasing. Sprayers should be washed out immediately after use with warm soapy water to reduce internal sprayer parts from becoming sticky and clogged with dried concentrate. Although the waxy, film-forming products do reduce leaf moisture loss, they also reduce the amount of carbon dioxide allowed to pass through the leaf stomate pores. Evergreen plants do continue to photosynthesize even during the winter months. The reduction of a sufficient level of carbohydrates can cause a reduction in energy for the normal growth of leaves, stems, roots, and flowers. Therefore, closing the pores of evergreens to protect them from winter sun & wind can be a benefit, but it could also result in a weaker plant being more susceptible to other stresses. These could include drought, insects & diseases.

## Final Statements

Generally, anti-transpirants are tools to help plants growing in otherwise optimal conditions to endure stressful, short-term conditions. These products seem worth it for prized specimen plants, but probably not for routine use in the landscape. It is important to remember that these applications are not likely to be successful as stand-alone winter protections. Standard horticultural approaches such as watering dry soils before the ground freezes and proper mulching practices will increase the efficacy of any anti-transpirant application. Finally, sometimes the use of the unsightly burlap barrier may be the best remedy to protect plants in more extreme environmental sites. Although these hideous looking winter protections are a last resort, they will also provide the best barrier from sprays of de-icing salts on roads or driveways.



Variegated *Euonymus* plants are highly prone to winter injuries & anti-transpirant sprays will be less effective. (Phot Credit: Steven K. Rettke, Rutgers Coop. Ext.)



Plants having scale-like foliage (*Chamaecyparis*) can be injured by some anti-transpirant sprays. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)



Plants having scale-like foliage (*Arborvitae*) can be injured by some anti-transpirant sprays. (Photo Credit: Steven K. Rettke, Rutgers Coop. Ext.)



Although unattractive, burlap covering will give the best protection from winter damage. (Photo Credit: Missouri Botanical Gardens)

## Calendar of Important Events



Indicates a newly added event since the last calendar



Online

### January 5-26, 2021

- **Kentucky Fruit and Vegetable Conference: Lexington, KY;** Held virtually on Tuesdays throughout January. Topics include General Session, Protected Agriculture Production Technologies, Organic Production, Vegetable Production for New Growers, Fruit Production for Experienced Growers, Business Management, Vegetable Production for Experienced Growers, and Fruit Production for New Growers. A virtual Farmers Market Short Course is also planned for Sunday, January 24. More information at <https://kyhortcouncil.org/2020kyfruitandvegconf/>

### January 6-8, 2021

- **Illinois Specialty Crop Conference: Crowne Plaza Hotel and Convention Center Springfield, Ill.;** Held Virtually. The conference provides a platform for education, information and networking for Illinois specialty growers during the ongoing COVID-19 crisis. Join us for this opportunity to connect every segment of the fresh produce supply chain, including growers, shippers, fresh-cut processors, wholesalers, distributors, retailers, suppliers, and partners. Contact 309-557-2107 or [rscavuzzo@ILFB.org](mailto:rscavuzzo@ILFB.org) Registration available at [www.specialtygrowers.org/iscc2021](http://www.specialtygrowers.org/iscc2021)

### January 5-7

- **Southeast Regional Fruit & Vegetable Conference; Savannah, Ga;** Held virtually. Offering over 85 hours of educational programming and a virtual exhibit hall. More information and registration at [www.seregionalconference.com](http://www.seregionalconference.com)

### January 12-14, 2021

- **Empire State Producers EXPO Virtual Conference;** Online sessions appropriate for all levels of experience. For program updates and more information go to [nysvga.org/expo](http://nysvga.org/expo)

### January 14, 2021

- **CORE Training Program for the NJ Pesticide Applicators License;** Extension Conference Center 18 Ag Extension Way, New Brunswick, NJ 08901; 12:30 PM – 4:30 PM; Bilingual Class; This course satisfies New Jersey's requirement of attending a basic pesticide training course for new applicants; Registration fee is \$145; Six (6) CORE units toward re-certification for New Jersey licensed applicators/operators; For more information or to register go to <http://www.cpe.rutgers.edu/courses/current/ae0801ca.html>

### January 18-20

- **2021 Ohio Produce Network; Columbus Airport Marriott, Columbus, Ohio;** Details will be made available at <http://www.opgma.org/general-information>

### January 18-21

- **NASGA 2021 Virtual Meeting and Conference;** Held virtually. Details will be made available at <http://www.nasga.org/n-american-strawberry-growers-conference.htm>

### January 18-22

- **Iowa Specialty Producers Conference;** Held virtually. Save the date! Information will be made available at <https://www.ifvga.org/>



**January 19-20**

- **NW Michigan Orchard & Vineyard Show;** Held virtually. Please email [Goodr100@msu.edu](mailto:Goodr100@msu.edu) for more information.

**January 19-21**

- **Indiana Horticulture Congress & Trade Show;** Held virtually. Registration and program schedule available at [www.inhortcongress.org](http://www.inhortcongress.org)

**January 24-26**

- **2021 Wisconsin Fresh Fruit and Vegetable Conference; Kalahari Resort, Wisconsin Dells, Wis.;** A one day (Jan 25<sup>th</sup>) in-person event that will also be streamed online live! We will provide educational programming for fresh produce growers including apples, berries, grapes and vegetables; agri-tourism and winery operators. More details at [www.wisconsinfreshproduce.org](http://www.wisconsinfreshproduce.org) and <https://freshfruitvegetable.wildapricot.org/>

✓ **January 26**

- **2021 Rutgers Environmental Stewards Online Class;** We are offering one state-wide class on Tuesday evenings starting January 26th, 5-8pm. 5-7pm will be with a content expert who covers that week's issue (climate change, energy conservation, invasive species, etc.) and the last hour the class will break out by region to focus on local issues. More details on the program and registration is on our website at <https://envirostewards.rutgers.edu/county-classes/>

**January 27-28**

- **Wisconsin State Cranberry Growers Association Virtual Wisconsin Cranberry School;** Held virtually; Highlights include WSCGA Winter Meeting, educational presentations, grower panels, lighting talks, and industry updates. More information at <http://www.wiscran.org/experience/2021-virtual-wisconsin-cranberry-school/>

**February 2-4**

- **National Council of Agricultural Employers 2021 meeting;** Held virtually. NCAE's Annual Meeting brings its membership together to discuss the challenges facing the ag employer community. Attendees will hear from industry leaders, speakers from the U.S. House of Representatives and Senate, and stakeholders from U.S. government agencies. Attendees will also have their voices heard by their Congressional Representatives on our Capitol Hill lobbying day. More information available at <http://www.ncaeonline.org/events/>

✓ **February 3-5**

- **CiderCon 2021;** Held virtually. This first ever cider accreditation program is designed for distributors, servers and others who are interested in becoming bonafide experts on all things cider. More information at <https://ciderassociation.org/certification/>

✓ **February 8-11**

- **2021 Mid-Atlantic Fruit and Vegetable Conference;** Held virtually. The event will feature four days of

three or more concurrent educational sessions. Sessions will be recorded and available for several weeks after the Convention. Pesticide credits anticipated for Pennsylvania, Maryland, New Jersey and Virginia. Registration and details at [www.mafvc.org](http://www.mafvc.org)

✓ **February 12-13**

- **Great Plains Growers Conference & Trade Show;** Held virtually. More information at [www.greatplainsgrowersconference.org](http://www.greatplainsgrowersconference.org)

✓ **February 17-18**

- **Colorado Fruit & Vegetable Growers Association Annual Conference;** Held virtually. More information at <https://pheedloop.com/cfvga2021/site/>

✓ **February 21-24**

- **IFTA Annual Conference;** Held virtually. More information will be available at [www.ifruittree.org](http://www.ifruittree.org)

✓ **February 22-25**

- **New Jersey Vegetable Growers Conference;** Held virtually. More information will be available at [www.vgani.com](http://www.vgani.com)

**February 25-27**

- **Moses Organic Farming Conference;** Held virtually. More information at [Mosesorganic.org/conference](http://Mosesorganic.org/conference)

✓ **March 26-27**

- **Viva Fresh Produce Expo; Gaylord Texan Resort & Convention Center;** Hybrid event.

**May 3**

- **Rutgers Turfgrass Research Golf Classic, 25<sup>th</sup> Anniversary;** Fiddler's Elbow Country Club, 811 Rattlesnake Bridge Rd, Bedminster, NJ 07911; This event is the largest turfgrass research golf event in the US; For more information or to register go to <https://njta.wildapricot.org/>

✓ **November 3 - December 3**

- **National Council of Agricultural Employers 2021 Ag Labor Forum, Las Vegas;** More information at [www.Ncaonline.org](http://www.Ncaonline.org)

✓ **December 6-8**

- **Washington State Tree Fruit Association Annual Meeting; Yakima Convention Center, Yakima, Washington;** More information available at [Wstfa.org](http://Wstfa.org)

✓ **December 6-10**

- **2021 Irrigation Show and Education Week; Long Beach, Ca;** More information available at [www.irrigation.org](http://www.irrigation.org)

## REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

Extension Education Bldg., 291 Morton Ave, Millville (Rosenhayn), NJ 08332

<p>✓</p> <p><b>Cumberland County Pesticide Certification Exam Schedule</b></p> <p>RCE of Cumberland County 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p>Rutgers will be taking over the pesticide exam program. More information to come. No exams will be held until further notice.</p> <p><b>No registration at this time.</b> <b>For information call 856-451-2800</b></p>	<p><b>Cumberland County Agriculture Development Board</b></p> <p><u>Virtual Meeting Information</u> Call (856) 209-3537 Access Code 701-083-822 #</p> <p><b>Meetings start at 7 p.m.</b> <b>For information call Matt Pisarski,</b> <b>Department Director at 856-453-2211</b></p>	<p>✓</p> <p><b>Cumberland County Board Of Agriculture</b></p> <p><u>Virtual Meeting Information</u> Email or call Katie KatieSi@co.cumberland.nj.us (856) 451-2800 x1 for meeting details.</p> <p><b>Meetings start at 7 p.m.</b> <b>For information call Lew DePietro,</b> <b>President at 856-981-9843</b></p>
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### The program in Cumberland County is suspended until further notice.

Cumberland County Improvement Authority (CCIA)

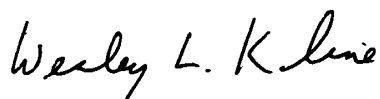
Pesticide Container Recycling

9:00 a.m. to 12 Noon

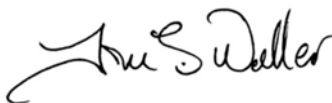
Cumberland County Solid Waste Complex  
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)  
Deerfield Township, New Jersey

Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-2242

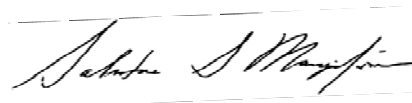
Sincerely,



Wesley L. Kline, Ph.D.  
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Timothy J. Waller, Ph.D.  
Cooperative Extension Agent  
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Extension Department Head &  
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**Pesticide User Responsibility:** Use pesticides safely and follow instructions on labels. The user is responsible for the proper use of pesticides, residues on crops, storage and disposal, as well as damages caused by drift.

**Use of Trade Names:** Trade names are used in this publication with the understanding that no discrimination is intended and no endorsement is implied. In some instances the compound may be sold under different trade names, which may vary as to label.

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Have you visited the Cumberland County website for the  
Present and/or past issues of "Cultivating Cumberland"? It's a great  
resource for information and dates...  
<http://Cumberland.njaes.rutgers.edu/>

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Public Notification and Non-discrimination Statement

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*Cooperative Extension of Cumberland County*



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**RUTGERS**  
New Jersey Agricultural  
Experiment Station