Noco Bloom

LARIMER COUNTY COLORADO STATE UNIVERSITY EXTENSION

WANTEDWEEDS, BUGS &
GARDEN THUGSYOUR GUIDE TO
FARMERS' MARKETSBUMPY
LAWNS

Fort Collins

THE GARDENS ON SPRING CREEK





COLORADO STATE UNIVERSITY

Horticulture and Landscape Architecture 301 University Ave., Fort Collins, CO 80523-1173 Bldg. Shepardson 111 970-491-7019 | hortla.agsci.colostate.edu



ARIMER COUNTY COLORADO STATE UNIVERSITY EXTENSION

CSU EXTENSION IN LARIMER COUNTY 1525 Blue Spruce Dr., Fort Collins, CO 80524-2004 970-498-6000 | larimerextension.org





THE GARDENS ON SPRING CREEK **CITY OF FORT COLLINS** 2145 Centre Ave., Fort Collins, CO 80526 970-416-2486 | fcgov.com/gardens



PLEASE NOTE: If you are a gardener needing help and live in Weld County, visit the Weld Extension Office at weldgov.com/departments/csu_extension or call directly to 970-400-2066 for assistance.

WANTED: WEEDS, BUGS & GARDEN THUGS

Having spent the greater part of 2020 battling the COVID-19 virus, we all need a little break. No one needs the added frustration that comes with weeds, bugs and other garden thugs. Fear not, crimefighters! In this issue of NoCo Bloom, we've rallied the neighborhood watch and put together a series of tips and tricks for making your backyard or vegetable garden the safest spot on the block.

Whether you're a seasoned gardener or just a novice bitten by a radioactive spider, noxious weeds, lumpy lawns and sprinkler crimes can get the best of us. Don't give up! This issue features a wide variety of expert advice and resources to help you tackle even the toughest offenders.

Dr. Jessica G. Davis HLA Department Head Colorado State University

Dr. Alison O'Connor Horticulture Extension Agent CSU Extension in Larimer County

Michelle Provaznik Executive Director The Gardens on Spring Creek

Amanda Sammartino Editor, NoCo Bloom

Grant Smith Creative Director City of Fort Collins



by Alison O'Connor and Emily Alligood, Colorado State University Extension in Larimer County

Farmers' markets are a hallmark of summer. As Northern Colorado slowly reopens following the COVID-19 pandemic, many communities are working hard this season to keep their markets safe and healthy. Here's a guide for how you can help make your shopping experience safe and healthy for yourself and those around you.

SHOP HEALTHY: Do not come to the market if you are sick or part of a high-risk group. Please wear a mask when you are shopping.

GO SOLO: It's fun to bring the whole family (furry friends included!) but it can make it difficult to maintain a physical distance if there are a lot of people and pets at the market. Avoid crowding and keep distance between you and other customers, even when standing in lines. Consider coming to the market during the first hour when it's less busy.

COME PREPARED: Make that shopping list and check it twice! Be an efficient shopper by thinking about what you'll be purchasing ahead of time. Be aware that there will be some changes at the markets and vendors may be in different spaces than they have been in previous seasons.

MIND THE SIGNS: Markets will look a little different

than in previous seasons, so mind the posted signs, especially for entering and exiting as well as traffic flow.

REDUCE MONEY HANDLING: When possible, pay vendors with exact change, credit card, or other electronic options.

TAKE IT TO GO: Treat your trip to the farmers' market like a trip to the grocery store. It may be tempting to find a bench to sit on to enjoy the day, but by taking your purchases home to enjoy, there's room for other customers to shop.

HANDLE WITH CARE: See something you'd like to purchase? Let vendors hand products to you. Please don't handle any items that you are not purchasing so that the number of people touching products is minimized.

BE COURTEOUS AND PATIENT:

Thank you for choosing to support your local farmers and producers by shopping at NoCo farmers' markets. Even though the changes might take some getting used to, we know that our amazing community will work together. Please be patient with market staff and volunteers. While you're shopping, show your appreciation for your favorite local vendors. Thank your help in maintaining a safe environment for all vendors, shoppers and volunteers.

🔆 FIND A FARMERS' MARKET NEAR YOU

WEDNESDAYS:

Fort Collins Farmers' Market June 17 to September 30 10 a.m. – 2 p.m.

THURSDAYS:

Estes Valley Farmers' Market June 4 to September 24 8 a.m. – 2 p.m. * New location at the Estes Park Visitor's Center!

FRIDAYS:

Frederick Farmers' Market July 17 and 31; August 14 and 28; September 25 4 p.m. – 8 p.m.

SATURDAYS:

Larimer County Farmers' Market May 23 to October 31 9 a.m. – 1 p.m.

Drake Road Farmers' Market June 20 to September 26 9 a.m. – 1 p.m.

Berthoud Local Farmers' Market June 20 to September 26 9 a.m. – 1 p.m.

Windsor Farmers' Market June 20 to September 12 9 a.m. – 1 p.m. **Greeley Farmers' Market** May 16 to October 31

8 a.m. – Noon

SUNDAYS:

Fort Collins Farmers' Market May 24 to November 15 10 a.m. – 2 p.m.

City of Loveland Farmers' Market June 7 to September 27 9 a.m. – 1 p.m.

events 'n classes

PLEASE NOTE:

Many events are subject to change due to the COVID-19 pandemic. Please check with each organization to ensure event details have not changed.

Check websites to confirm final event information

COMMUNITY WIDE RESOURCES

Larimer County Colorado Master Gardener Office Hours

Every Monday, Wednesday & Friday Morning, 10am - 1pm, CSU Extension in Larimer County, 1525 Blue Spruce Dr., Fort Collins, Free, *larimermg@gmail.com*, 970-498-6000, *larimerextension.org*

Weld County Colorado Master Gardener Office Hours

Every Monday, Wednesday & Friday Morning, 9am - 1pm, CSU Extension in Weld County, 525 N. 15th Ave., Greeley, Free, *weldmastergardeners@outlook.com*, 970-400-2089, *weldmastergardeners.org*

CSU Extension Gardening Webinars via Zoom

Free to the public, registration required, limited to first 300 applicants, see *csuhort.blogspot.com* ("Gardening Webinars") for ongoing class listings

COMMUNITY WIDE EDUCATION

August 2 » **Virtual Garden Tour Designing Backyard Wetlands for Wildlife, Diversity and Tranquility** Zoom webinar by Colorado Native Plant Society, 1:00pm - 2:00pm, \$10 members/\$15 non-members, registration required, *conps.org*

August 12 » Water Conservation in the Garden with Amy Lentz and Alison O'Connor

Zoom webinar by CSU Extension, 12:30pm, Free, registration required, *csuhort.blogspot.com* ("Gardening Webinars")

September 9 » **Shade Tree Options** Zoom webinar by CSU Extension, 12:30pm, Free, registration required, *csuhort.blogspot.com* ("Gardening Webinars")



CALENDAR COORDINATOR

Kathleen Atkins, Master Gardener Colorado State University Extension Please submit your gardening classes & events to nocobloomevents@gmail.com.



The Department of Horticulture and Landscape Architecture at Colorado State University is excited to announce the 2020 Twilight Garden Series.

The Twilight Garden Series is a collection of lectures hosted by the Horticulture and Landscape Architecture Department (HLA) and The Gardens on Spring Creek. Lectures are presented by gardening and plant science experts, but open to anyone and everyone.

These events are an opportunity to learn landscape and gardening techniques in a renowned garden setting in Fort Collins - either the Trial Gardens at Colorado State University or The Gardens on Spring Creek. Learn from experts in the areas of xeriscaping, gardening, landscaping and more.

Save the date for these lectures. Ticket information will be available soon at *hortla.agsci.colostate.edu.*

AUGUST 18, 2020

Fresh Faces in the Garden

Location: Annual Trial Garden

Speakers:

- Jim Klett and Rebekah Savage from Colorado State University on new perennials
- Susan Stauber from Ball Horticulture on new annuals
- John Weis on daylilies

Hear about what perennials and annuals are trending this year.

SEPTEMBER 1, 2020

Using Native and Xeric Plants in the Landscape

Location: Gardens on Spring Creek

Speakers:

- Sherry Fuller from The Gardens on Spring Creek on foothill plants
- Brian Fischer from The Gardens on Spring Creek on prairie plants

• Ross Shrigley from Plant Select on Plant Select plants

What plants are selected when designing our natural landscapes? Discover the logic behind the Foothills Garden, Prairie Garden and Plant Select Garden and the choice to bring them to our habitats.

SEPTEMBER 15, 2020

Attracting Wildlife to Your Landscape

Location: Gardens on Spring Creek

Speakers:

- Whitney Cranshaw from Colorado State University on native bees
- Representatives from the Butterfly Pavilion on butterfly gardening
- Representatives from Wild Bird Unlimited on the best houses and feeders for wild birds

Why do you find birds, bees, and butterflies in your garden? How do you attract them to your landscape? Find out here during this lecture.

Lectures start at 6:00 p.m. and end at 7:30 p.m. Cost is \$10.00 per session or \$25.00 for all three sessions. Door prizes and light refreshments available. Learn more at *hortla. agsci.colostate.edu.*

SPRINKLER CRIME IS ON THE RISE! by Katie Collins, Fort Collins Utilities, Water Conservation Coordinator

We are entering the hottest part of the season, and with it comes water offenders. Read on to learn how to keep these sprinkler thugs out of your landscape.

FORGET IT

When was the last time you checked your irrigation schedule? If it was last week, great! If it was last year, take a minute to look at the clock. Irrigation schedules should be reviewed prior to starting up the system for the season and at least monthly after that. Precipitation and temperature patterns fluctuate over the course of a growing season and from year to year.

It's important to match a schedule to weather patterns (don't water after it rains!) as well as the plant material and type of sprinkler equipment present. Start by watering grass two days a week and shrubs and perennials once a week or less. You can always add or subtract a day as needed.

。 予約 THE SUNKEN HEAD

Ever see a brown spot in your grass and instead of physically checking the zone, you just add a few minutes on the clock? Guilty!

Make sure to inspect each sprinkler zone's operation at least once every two weeks. Check the system after the grass has been cut, so it's easier to examine everything closely. Turn each zone on for two minutes and look for normal operation. Repair as needed. Keep an eye out for sunken or buried sprinkler heads. Scrape away grass and soil covering equipment to allow for heads to fully pop up. If the head is up all the way but not spraying water further than a few feet from origin, dig out a neat circle of grass to expose the whole head and gently pull up on the equipment with your hand. If it can be lifted easily, set it level with the grass or just below to avoid mower damage, pack soil tightly around the head and replace the grass. If the head cannot be lifted easily, it's probably on a rigid pipe. Pick up a cut-off riser at the store and add enough height to the head to set it at soil level. See you later, sunken head!

THE DAYTIME WATERER

This thug strikes during broad daylight! Automatic irrigation systems should be set to run at night, between 10 p.m. and 6 a.m. Applying water when temperature, evaporation and wind speeds are low is much more efficient.

When hand watering, resist the urge to water during the day when it is hot. Plants may be looking wilted by 3 p.m. in the middle of July, but it's likely they are simply conserving their energy during that time – I know I tend to slow down during the hottest part of the day! Allow the wilted plants to rest overnight. If they still look sad in the morning, give them a deep watering before it heats up.

For more tips, visit *fcgov.com/water-wise-lawncare*. 🅸

events 'n classes

DENVER

August 18 » **Prairies To Peaks - Plant Select Annual Meeting** Denver Botanic Gardens, Mitchell Hall, 1007 York St., \$60, Includes lunch and Gardens access, *plantselect.org*

FORT COLLINS

July 11 » **Tai Chi in The Gardens** Gardens on Spring Creek, 2145 Centre Ave., 8:00am – 9:00am, Adults \$15, *fcgov.com/gardens/yoga*

July 11 » **Yoga in the Gardens** Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15, *fcgov.com/gardens/yoga*

July 18 » **Tai Chi in The Gardens** Gardens on Spring Creek, 2145 Centre Ave., 8:00am – 9:00am, Adults \$15, *fcgov.com/gardens/yoga*

July 18 » **Family Yoga in the Gardens** Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15 and Children \$12, *fcgov.com/gardens/yoga*

July 25 » Tai Chi in The Gardens

Gardens on Spring Creek, 2145 Centre Ave., 8:00am – 9:00am, Adults \$15, *fcgov.com/gardens/yoga*

July 25 » **Yoga in the Gardens** Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15, *fcgov.com/gardens/yoga*

August 1 » **Tai Chi in The Gardens** Gardens on Spring Creek, 2145 Centre Ave., 8:00am – 9:00am, Adults \$15, *fcgov.com/gardens/yoga*

August 1 » Family Yoga in the Gardens

Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15 and Children \$12, *fcgov.com/gardens/yoga*

August 4 » Garden to Fork

Gardens on Spring Creek, 2145 Centre Ave., 5:30pm - 8:00 pm, 21+ Adults \$55, *fcgov.com/gardens/adult-classes*

August 8 » CSU Consumer Day for Gardening Public at the Annual Flower Trial Garden

CSU Annual Trial Gardens, 1401 Remington St., 9:00am - 12:00pm, Free, light refreshments, hourly tours and door prizes, *hortla.agsci.colostate.edu*

August 8 » **Tai Chi in The Gardens** Gardens on Spring Creek, 2145 Centre Ave., 8:00am – 9:00am, Adults \$15, *fcgov.com/gardens/yoga*

August 8 » **Yoga in the Gardens** Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15, *fcgov.com/gardens/yoga*

(Continued on page 8)

WEEDS, BUGS & GARDEN THUGS

EVIDENCE BOARD

by Selena Kunze , Horticulturist, The Gardens on Spring Creek

We've all been there...something is wrong with your plant and you're not sure why. It could be disease, insect pressure or an abiotic problem such as poor nutrition or improper watering.

Oldentify the VICTIM

Regardless of the culprit, identifying the vic is the first step, and I bet there's an app for that. Some names I've heard tossed around include Plant Snap, FlowerChecker, PlantNet, Seek...the list of apps is almost as long as potential plant problems, so do some research to find the right one for you. I also regularly find myself on the Missouri Botanical Garden website. They have a great plant finder tool, and more information per plant than many other websites.

> VFLOWER Checker VPLANTNET ISCER MORE ...

MISSOURI BOTANICAL GRON

3 Investigate ?

Once you've identified the victim, it's time to investigate the scene. Evalu the growing conditions will help eliminate potential troublemakers. Is the plant getting proper water and sun exposure? Is it an acidic- soil-lover languishing in our alkaline conditions? Does it get "watered" by every dog that walks by? Is your soil deficient in certain nutrients? Sending a soil sample to the Soil, Water, and Plant Testing Lab at Colorado State University is a great way to narrow down possible soil-related issues such as poor nutrition or texture.

Also, pay attention to seasonal changes in growing conditions. I repeatedly lost some Delospermas that were planted in an ideal sunny, dry area, and I didn't know why. Until I realized where my husband piled all the snow from the driveway in winter. The innocent bystanders were rotten each spring.

(4) Check for Disease

500

3 Check for Critters

As you continue to examine the evidence, check for critters. Is something eating holes in the leaves, or are whole stems gone? Are there slime tracks or frass (insect poop) present? Do insects disperse if you brush the plant, or fall off if you tap it over a white piece of paper? Pay particular attention to areas insects like to hide, such as in the growing tip or the undersides of leaves. If you can find the insect or its eggs, the book Garden Insects of North America: The Ultimate Guide to Backyard Bugs, by Whitney Cranshaw and David Shetlar is an excellent resource for identification

If there are no critters on your perfectly grown plants, you might have a disease issue. Look for signs such as rust, mildew, or ooze. Symptoms can include yellowing, stunting, necrosis, cankers, galls, leaf spots, and more. Diseases can be tricky to diagnose, so snap a photo and light up the bat signal. The Colorado State University Extension office is a comprehensive resource for determining what disease your plant may have, and how to treat or avoid it in the future. The local Master Gardener Program is another excellent source of advice and education for all things plant related.

Virginia Tech's Department of Entomology also has a helpful website, searchable by insect or host plant. If you have proof that something is eating your plants, and you can't find insects or mollusks, search for rodent or other mammal invaders. Grab a lawn chair and do a stake out. Look for droppings or tracks or set a live trap or motionsensing camera to catch the culprit. Just remember, other animals may eat these critters, so be careful with your treatment methods to avoid secondary poisoning.

Finally, your friendly neighborhood horticulturists at The Gardens on Sprin Creek are happy to help! 🥸

Remember ..



events 'n classes

August 15 » Tai Chi in The Gardens Gardens on Spring Creek, 2145 Centre Ave., 8:00am - 9:00am, Adults \$15, fcgov.com/gardens/yoga

August 15 » Family Yoga in the Gardens Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15 and Children \$12, fcgov.com/gardens/yoga

August 18 » Garden to Fork Gardens on Spring Creek, 2145 Centre Ave., 5:30pm - 8:00 pm, 21+ Adults \$55, fcgov.com/gardens/adult-classes

August 18 » Twilight Garden Series: Fresh Faces in the Garden CSU Annual Trial Gardens, 1401 Remington St., 6:00pm - 7:30pm, \$10 each/all 3 events \$25, hortla.agsci.colostate.edu

August 25 » Garden to Fork Gardens on Spring Creek, 2145 Centre Ave., 5:30pm - 8:00 pm, 21+ Adults \$55, fcgov.com/gardens/adult-classes

August 29 » Dig in to Gardening II CSU Annual Trial Gardens, 1401 Remington St., 9:00am - 12:00pm, \$30, Eventbrite registration, contact stovena@co.larimer.co.us for details

August 29 » Tai Chi in The Gardens Gardens on Spring Creek, 2145 Centre Ave., 8:00am - 9:00am, Adults \$15, fcgov.com/gardens/yoga

August 29 » Yoga in the Gardens Gardens on Spring Creek, 2145 Centre Ave., 9:15am - 10:00am, Adults \$15, fcgov.com/gardens/yoga

September 1 » Twilight Garden Series: Using Native and Xeric Plants in the Landscape Gardens on Spring Creek, 2145 Centre Ave., 6:00pm - 7:30pm, \$10 each/all 3 events \$25, hortla.agsci.colostate.edu

September 8 » Garden to Fork Gardens on Spring Creek, 2145 Centre Ave., 5:30pm - 8:00 pm, 21+ Adults \$55, fcgov.com/gardens/adult-classes

September 12 » NoCo Urban Homestead Tour Fort Collins & Loveland, fcgov.com/gardens/special-events

September 15 » Twilight Garden Series: Attracting Wildlife to your Garden Gardens on Spring Creek, 2145 Centre Ave., 6:00pm - 7:30pm, \$10 each/all 3 events \$25, hortla.agsci.colostate.edu



Tony Koski, Turf Specialist, Colorado State University Department of Horticulture and Landscape Architecture

One of the most common lawn questions I am asked is about "lumpy lawns". The appearance of this lumpiness can be both mysterious and worrisome to the home gardener. Some lawns become so bumpy that they are difficult to mow and walk or run on - and make playing a proper game of croquet pretty much impossible.

The internet (a dangerous place to find CORRECT lawn care information) is awash with incorrect causes of these lumps. The truth? The lumps are caused by nightcrawler activity. Over time, the constant cleaning of their burrows and surface deposition of their castings (worm poop) create small volcano-like mounds in the lawn. Because nightcrawlers are relatively long-lived (up to five years, if they avoid robins) and earthworms prolifically reproduce when conditions are good, these burrows and

lumps can increase in number and will be persistent.

Ample lawn irrigation and the constant production of organic matter (their food) by lawn grasses create ideal living conditions for earthworms. Their presence is a sign of a healthy soil system, and the natural aeration, thatch management, and fertilization that nightcrawlers provide are all good for your lawn. If you can't live with the lumpiness, it's important to know that earthworms are quite resistant to any pesticide use and there is nothing than can legally or safely be used to eradicate them. Instead, consider rolling your lawn in the spring to smooth it - but knowing it is a temporary solution. It's better to call your lawn lucky and recognize the benefits of having that lumpy lawn!

If you have lawn problems that you can't resolve, consider a visit by the Colorado State University Extension Lawncheck program. For a small fee, you will receive an unbiased, professional analysis of any problems and advice on how to improve your lawn. Call 970.498.6000 to schedule a visit or do so online at *lawncheck.colostate.edu*





RELAX AT THE GARDENS

fcgov.com/gardens/yoga

Relax and embrace the natural setting of our botanical gardens in our Yoga in The Gardens and Tai Chi in The Gardens summer series. Classes are for adults and families.





LOCAL. FRESH. FUN.

Larimer County FARMERS' MARKET Since 1975

SATURDAYS 9:00 A.M. - 1:00 P.M. 200 W. OAK ST.

FORT COLLINS, CO 80521

MAY 23 - OCTOBER 31, 2020

larimercountyfm.org 970.498.6000





Beloved Colorado State University entomologist Dr. Whitney Cranshaw can find something fun or fascinating to say about every six- or eight-legged (or more) arthropod or "bug" you find crawling or flying about. Well, not quite EVERY bug.



Says Whitney, "There are two insects I can't say anything nice about: bed bugs and Western yellow jackets." Being an aggressive scavenger, "A Western yellowjacket will

chew hamburger off your plate and take a drink from your Coca-Cola can." Besides their annoying summer behavior of being in your face, uninvited guests at summer picnics, cookouts and supper on the patio, yellowjackets are responsible for 90 – 95 percent of all insect stings – which are almost always (wrongly) attributed to honeybees and other beneficial pollinators. While the vast majority of insects, spiders and other bugs you see in your yard are beneficial in some way – or close to neutral on the good/bad scale – the yellowjacket is one that provides no apparent value and can be controlled with a clear conscience.

By the time you read this, the optimal time for trapping and prevention of vellowiackets has unfortunately passed - that being early spring (March-early May). This early use of wasp traps (containing heptyl butyrate lure) is the best way of dealing with yellowjackets, by killing the egg-laying females before they establish their underground nests. Once the nest has been built, the queen no longer leaves it and can't be trapped. So, while using vellowjacket traps during the summer months will catch a few of the foraging worker wasps, you won't likely make a dent in the already established colonies - which can swell to several hundred by late summer.

What can you do summer if your yard is plagued by yellowjackets this summer? Place any traps away from where you eat and socialize, to avoid attracting the workers to you. Replace the lure in the traps monthly, as the attractiveness of the lure declines after a few weeks. Keep food, drinks and food scraps or trash covered. And know that "bug zappers" are ineffective for controlling yellowjackets. Most importantly, mark your 2021 calendar with a reminder to set out those traps in March - April.







Larimer County CSU Extension where university meets community

Learn from experts who share research-based information from Colorado State University

Agriculture and Natural Resources Nutrition and Food Safety Health, Wellness and Family Well-being Yard and Garden, Colorado Master Gardeners 4-H Youth Development

Discover how Extension can help you. www.LarimerExtension.org





Working Together to Protect Our Water System

PROTECTING OUR FUTURE

In October, Northern Water and U.S. Bureau of Reclamation will begin the Horsetooth Outlet Project (HOP) to repair and upgrade the Soldier Canyon Dam outlet, a key component of our water delivery system.

HOP is a proactive and necessary maintenance project that will protect our infrastructure and water supply today and into the future.

HOW WILL HOP AFFECT OUR COMMUNITY?

During HOP, it's even more important to use our water resources efficiently. All residents can "Help During HOP" by stopping lawn watering and other outdoor water uses beginning Oct. 1.

WHEN WILL HOP BEGIN?

Work will begin in October and is expected to last 30-45 days, likely ending in early December (weather permitting). This timing was chosen to decrease impacts to customers and landscaping and to allow time for the work to be completed before winter weather sets in.

Learn more about HOP, how you can help and ways to provide feedback:

fcgov.com/HOP

HOP@fcgov.com 970-416-8040 or V/TDD 711

Aids and services are available for persons with disabilities. Esta información puede ser traducida, sin costo para usted, 970-212-2900.

