

# Cold crops summer's end calls for winter gardening prep

By Bob Westerfield for CAES News

The end of summer into early fall tends to be the hottest time of the year in the state of Georgia. Many of us are about tired of laboring in our summer gardens, and the heat, humidity, and disease and insect pressure have certainly taken their toll on our summer crops. However, for those of us who still have the gardening itch, the last weeks of summer are the ideal time to prepare your garden for winter vegetables.

If you haven't done so already, it's a good idea to soil test to check out the nutrient levels of your garden plot. The pH of the soil is the most critical element to determine and should be adjusted to a range of 6.2 to 6.8. Spent summer vegetables should be removed and added to the compost pile, allowing room to till and plant new crops. The garden can now be tilled and smoothed to get ready for winter vegetables.

Winter crops - such as broccoli, cabbage, cauliflower and Brussels sprouts - are best planted as transplants. Leaf lettuce, Swiss chard and other fall and winter greens do well when directly seeded into the garden. Take care not to cover tiny seeds too deeply or they will have trouble

germinating. University of Georgia Cooperative Extension offers a vegetable garden calendar to help guide your planting choices.

When it comes to growing winter vegetables, the biggest challenge sometimes comes from temperature extremes, which can swing from very warm to extremely cold virtually overnight. Warmer than normal days can cause lettuce to bolt and get bitter. Bolting occurs on leafy greens when they sense warm temperatures and try to put up seed heads. Insects invasions pose another problem for winter vegetables.

**Controlling pests and diseases**  
Although many summer pests have begun to subside, there are still plenty of pest insects out there. White flies and aphids could still be present from the summer garden. Cabbage looper is another pesky insect that loves to tunnel through cabbage, broccoli and other greens. Snails and slugs can also manifest themselves on warmer evenings, creating holes in your plants. When it comes to control, early detection is key. Monitor plants regularly to spot the first signs of insect trouble. Organic insect control products, such as Bacillus thuringiensis (Bt) or DiPel, work very well on caterpillar-type insects such as loopers. Other insects can often be chased off or killed

with pyrethrins - pesticides found naturally in some chrysanthemum flowers. Other options are Safer® brand insect-killing soap or mild insecticides. Quick control is essential to catch insects before they tunnel deep into the plants. Caterpillars deep inside a cabbage head will be heavily protected from all the leaves and may not be affected by insecticides. Information on home and garden insect control is available in the Georgia Pest Management Handbook: 2021 Home and Garden Edition.

Disease also can be an issue in the winter garden, but usually less so than in the summer months. Foliar diseases, root rots and potential viruses, while not overly common, can still affect the winter garden if not carefully monitored. Many are brought on by poor cultivation practices. Mulching around plants with pine straw, wheat straw or chips can protect weeds from being contaminated with disease-bearing soil. A few inches of mulch will also help cut down on winter weeds, as well as help moderate root temperatures. Watering practices can also influence the potential for disease.

When possible, use soaker hoses or drip irrigation to water all winter vegetables. Overhead water with a sprinkler wets the foliage and makes vegetables more susceptible to disease. Overhead irrigation also wets much of the non-target area and encourages excess weed growth while wasting water. Walk through your garden regularly and remove any leaves showing symptoms of disease. This helps keep disease at bay and most of the time the plant will recover. When it comes to watering, people often believe cooler temperatures mean plants no longer need supplemental irrigation, but this is not the case. Vegetables still need one to one-and-a-half inches of water per week to obtain optimum growth. Container grown or raised beds may need more frequent watering as they tend to lose water faster and dry out.

**Enriching the soil**  
Testing a soil samples through your local UGA Extension office should give you the right recipe for fertilizing your specific soil.  
One of the final components for managing your winter garden is providing proper nutrition to plants. While the soil sample run through your county UGA Cooperative Extension office should give the proper recipe for fertilization success, many gardeners choose to wing it and fertilize without testing. If you choose this route, it is best to keep it simple. Leafy green vegetables will require more nitrogen than winter peas, carrots or even broccoli.

Without a soil sample, I would fertilize with a premium fertilizer that contains micronutrients as my initial feeding at planting. After the crop begins to form up a tiny vegetable, I would then fertilize with a product such as 12-4-8. Be careful not to feed your plants too much or you'll push out excessive growth and fewer vegetables. Some vegetables, like greens and broccoli, can continue to be harvested even after the initial harvest. Additional fertilization every three to five weeks should help ensure a healthy harvest. A guide for fertilizing a variety of crops is available from UGA's Agricultural and Environmental Services Laboratories.

For areas of the garden where you have chosen not to plant winter vegetables, consider a cover crop versus leaving the area barren. Cover crops are often called green manure and are essentially green plants that help hold the soil from erosion and provide nutrients when put into the soil. They also look much better than bare soil or dead plants. I prefer a winter crop mix of a cereal grain such as wheat, rye or oats mixed with a legume such as winter peas or clover. Avoid planting the ryegrass available in the big box stores as this plant is difficult to eradicate in the spring. Cover crops should be fertilized at planting time and perhaps once again during the season to give them a boost.

Although winter gardening has its challenges, it is also one of the most pleasant times of year to spend in the garden. While you certainly can purchase all of this produce at the grocery store, there is simply nothing like being able to harvest fresh vegetables from the garden and cooking them the same evening. The satisfaction and flavor are better than anything you can purchase from the store.

A wealth of home gardening and landscape advice is available at extension.uga.edu/publications.

Bob Westerfield is a Cooperative Extension horticulturist with the University of Georgia College of Agricultural and Environmental Sciences.

## Legals continued

Clerk of the Superior Court of Lincoln County, Georgia.

Wendell E. Johnston, Jr.  
Georgia Bar #397005  
Johnston & Smith, LLP  
P.O. Box 211509  
Augusta, GA 30917-1509  
706-860-1952  
8 12 2tp

### Notice

Georgia, Lincoln County Probate Court  
The petition of Walter H. Morris, Jr. for a year's support from the estate of Sherry Jane B. Morris, deceased, for decedent's surviving spouse, having been duly filed, interested persons are hereby notified to show cause, if any, on or before September 3, 2021, why said petition should not be granted.

Objections to the petition must be in writing, setting forth the grounds of any such objections, and must be filed on or before the time stated in the preceding sentence. All pleadings/objections must be signed before a notary public or a probate court clerk, and filing fees must be tendered with your pleadings/objections. Contact probate court personnel at the following address/telephone number for the required amount of filing fees. If any objections are filed, a hearing will be scheduled at a later date. If no objections are filed, the petition may be granted without a hearing.

Lee D. Moss, Probate Judge  
By: Debbie Pruett, Clerk  
P.O. Box 205  
Lincolnton, GA 30817  
706-359-5528  
8 12 4tc

### Debtor's and Creditor's

All persons having claims against Norman B. Pursley, and his estate, are required to present the same to the undersigned, properly itemized and proven, within the time required by law. And all persons indebted to said deceased, or his estate, are requested to make immediate payment to the undersigned.

This 27th day of August, 2021.  
William B. Pursley  
Suzanne Pursley-Crotteau  
Norman B. Pursley, Jr.  
Executors

J. Carleton Vaughn, Jr., Attorney  
405 Telfair St.  
Augusta, GA 30901  
8 5 4tp

### Notice

Georgia, Lincoln County Probate Court  
The petition of Yoko Kamiyeno Hunter for a year's support from the estate of Allan David Hunter, deceased, for decedent's surviving spouse, having been duly filed, interested persons are hereby notified to show cause, if any, on or before August 27, 2021, why said petition should not be granted.

Objections to the petition must be in writing, setting forth the grounds of any such objections, and must be filed on or before the time stated in the preceding sentence. All pleadings/objections must be signed before a notary public or a probate court clerk, and filing fees must be tendered with your pleadings/objections. Contact probate court personnel at the following address/telephone number for the required amount of filing fees. If any objections are filed, a hearing will be scheduled at a later date. If no objections are filed, the petition may be granted without a hearing.

Lee D. Moss, Probate Judge  
By: Debbie Pruett, Clerk  
P.O. Box 205  
Lincolnton, GA 30817  
706-359-5528  
8 5 4tc

### NOTICE TO THE PUBLIC

A petition for a variance request has been filed with the City Council requesting that property located at 120 North Washington Street and owned by Oasentalzi Enterprises LLC receive a variance of usage due to conditional use for a

residence above a first-floor commercial building per city ordinance; Chapter 26-171.

A public hearing will be held at City Hall on August 31, 2021 at 5:30 pm.

All those in favor of or objecting to this petition should be present to voice their support or objection.

Larry Goolsby  
Building & Code Enforcement Officer  
City of Lincolnton  
8 12 3tc

### ADVERTISEMENT FOR BIDS FOR CONSTRUCTION OF ELBERTON HIGHWAY WATER LINE EXTENSION for the CITY OF LINCOLNTON, GEORGIA

Sealed proposals will be received by City of Lincolnton, Georgia at the City Hall, 125 North Peachtree Street, Lincolnton, Georgia 30817 until 3:00 P.M. local time, Tuesday, September 14, 2021 at which time and place they will be publicly opened and read. No submitted bid may be withdrawn after the scheduled closing time for receipt of bids for a period of sixty days.

All Bidders must have a State of Georgia Utility Contractor License and must employ a state "Utility Manager" certificate holder who will have oversight of all the work.

The work to be done consists of furnishing all materials, equipment and labor for the construction of:

Water system improvements to include approximately 7,200 linear feet of 6-inch water line, 15 fire hydrants, 2 valves, 16 new service connections and appurtenances. Time allotted for installation is 120 consecutive calendar days.

Proposals for the complete work in one general contract shall be made on the proposal form provided and shall contain prices in words and figures for the work bid on.

The project is proposed to be funded with a State Revolving Fund loan. All SRF and American Iron and Steel Special Conditions requirements apply.

All proposals shall be accompanied by a Bid Bond drawn in favor of City of Lincolnton, Georgia, in the amount of at least 10% of the lump sum bid for the complete work; such Bid Bond representing that the Bidder, if awarded the contract, will promptly enter into a contract and furnish Performance Bond and Payment Bond as provided by law and approved by the Attorney for City of Lincolnton, Georgia. Each bond shall be equal to 100% of the contract amount. The Bid Bond shall be forfeited to City of Lincolnton, Georgia as liquidated damages if the Bidder fails to execute the contract and provide Performance and Payment Bonds within ten (10) days after being notified that he has been awarded the contract.

Drawings and Specifications are open to public inspection at the office of the City of Lincolnton, Georgia; at the office of Turnipseed Engineers in Augusta and Atlanta, Georgia.

Copies of the plans and specifications may be obtained from Turnipseed Engineers, 4210 Columbia Road, Building 3, Augusta, Georgia 30907, upon receipt of \$200.00.

Digital copies of the documents are not available.

Upon receipt of all documents in undamaged condition within thirty days after the date of opening of bids, one-half of the deposit will be refunded.

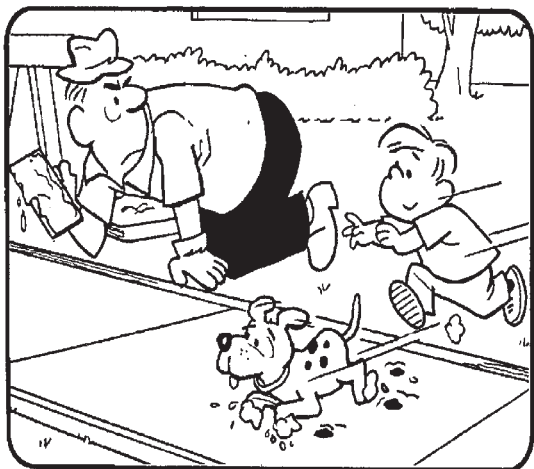
The difference between the deposit and the amount refunded represents the cost of reproduction. No refund will be made for documents received after thirty (30) days or in damaged condition.

The Owner reserves the right to reject any or all bids and to waive informalities.

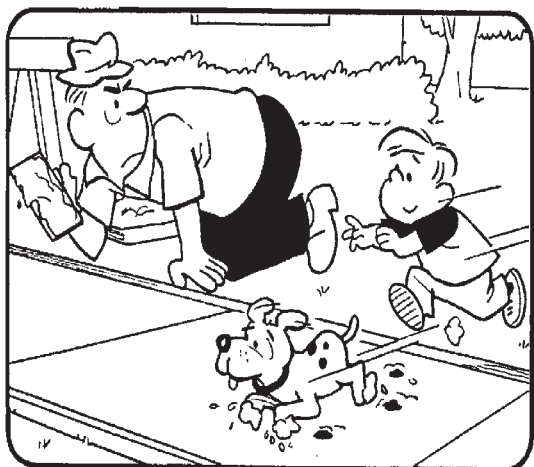
CITY OF LINCOLNTON, GEORGIA  
By: Henry Brown, Mayor  
8 12, 8 29 2tc

## HOCUS-FOCUS

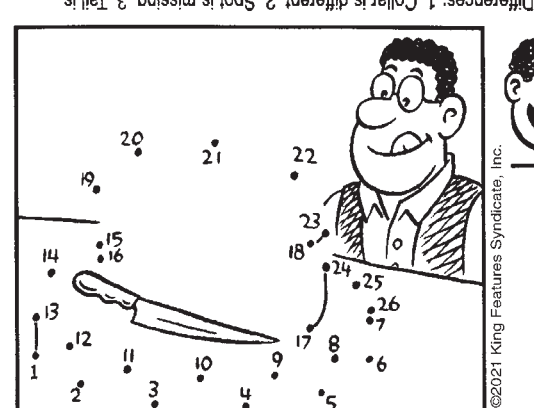
BY HENRY BOLTIKOFF



Find at least six differences in details between panels.

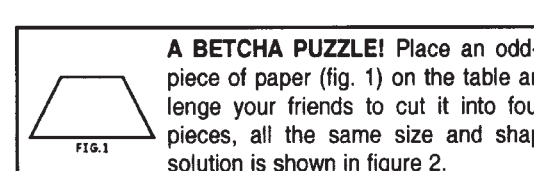


Differences: 1. Collar is different. 2. Spot is missing. 3. Tail is shorter. 4. Glove is removed. 5. Drip is missing. 6. Shirt is different.



WHAT MOST RESEMBLES HALF A CHEESE? Connect the dots and find out!

Answer: The other half.



A BETCHA PUZZLE! Place an odd-shaped piece of paper (fig. 1) on the table and challenge your friends to cut it into four equal pieces, all the same size and shape. The solution is shown in figure 2.

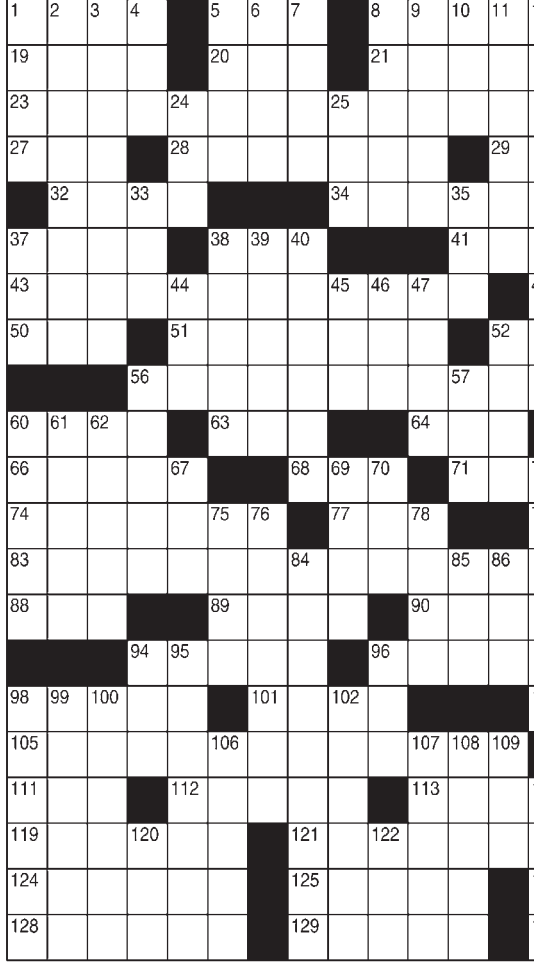
**CHAIN REACTION!** Take the seven letters printed below our diagram and place them in the circles so that eight four-letter words can be read, top to bottom, along the connecting lines. All the words will begin with the letter in the top circle.

Answers: Top to bottom, left to right: Dams, dame, dare, date, dire, dirt.

Answers on page 5

## Super Crossword

- ACROSS: 1 Austrian peaks, 5 MLB stat, 8 Mitch who wrote "Tuesdays With Morrie", 13 Three-tone chords, 19 Toxin-fighting fluids, 20 Critter treater, 21 "The King," in France, 22 Popular social news website, 23 Extracted element #79 with a big hammer?, 26 Renée of silent films, 27 "Science Kid" of PBS, 28 Reinforcing eyelet in a hole, 29 Go out on —, 31 Chilling stuff, 32 Unfeeling, 34 Element #16 that's causing difficulty?, 37 Owl's prey, 38 Carrere of "Jury Duty", 41 Fleming and McKellen, 42 "August: Osage County" playwright, 43 "That celestial object seems to be composed of element #5?", 48 Tartan wearers, e.g., 50 Some dashes, 51 Neighbor of Lithuania, 52 Off-road found in a city opposite Vancouver?, 60 Big road rig, 63 Bismarck-to-Austin dir., 64 — Tomé, 65 Overcomes, 66 Shaws, e.g., 68 ICU worker, 71 Genetic ID, 73 Small sample, 74 Very virtuous, 77 Gaudy scarf, 79 Suffix with peace, 82 Prattle, 83 "Quit asking about my supply of element #83!?", 86 Stew tidbit, 89 Birch, e.g., 90 "Impossible for me", 91 Small sample, 94 Twyla of dance, 96 Element #30 in a medicine cabinet?, 98 "George & —" (old talk show), 101 Special glow, 103 "FWIW" part, 104 Gets the total, 105 Element #18 found in a city opposite Vancouver?, 110 Lightbulb sword, 111 Hub city of Israel's El Al, 112 Bad-smelling, 113 Narcissist's quality, 117 Biol. or anat., 119 Combo, 121 Element #29 collected by actress Lori?, 124 Ancient Crete native, 125 To the point, 126 ET's ship, 127 Genshon of "Face/Off", 128 — Wedding! (1990 Alan Alda film), 129 Great Lakes tribespeople, 130 Go bad, 131 Crumb toters, 1 Inivites, 2 Russian Revolution theory, 3 Things made for sale, 4 Small pouch, 5 Unendingly, 6 Changing, 7 Very little bit, 8 Change, 9 Without a — stand on, 10 Good pal, 11 "So chic!", 12 Hanging to the calves, as a dress, 13 Brits' trolleys, 14 Popular energy drink, 15 Altar reply, 16 Free-floating, 17 Punched out, as jigsaw pieces, 18 Pilots, 24 CIA's onetime rival, 25 MLB arbirer, 30 Rescuee's cry, 33 "Give — call", 35 Big box, 36 The, to Yves, 37 Fannie —, 38 Rows, 39 Lands in el oceano, 40 Subsidized, 44 MLB stat, 45 Raw rock, 46 Toys — (kids' chain), 47 Bears, in Spain, 49 Suffix with opal, 52 Loads, 53 Put to shame, 54 "I — run!", 55 First stage, 56 Brought (in), as music, 57 Voguish thing, 58 Rear, at sea, 59 Make it to, 60 Boggy area, 61 Bert's friend, 62 — Carta, 67 Surreptitious, 69 Double-read instrument, 70 Bovine critter, 72 Aziz of "Master of None", 75 Very little bit short, 76 Small raisin, 78 Actress Kendrick, 122 Soft & —, 80 — one to complain ..., 81 Accolades, 84 Disavow, 85 Net automaton, 86 I, to Wilhelm, 87 Hanks of film, 91 Slice-of-life motion, 92 Not proper, 93 Windows 10 runners, 94 Blasting initis, 95 To the middle point, 96 Drinking spot, 97 Microwave, 98 Poise, 99 Canadian dollar coin, 100 Passionate, 102 Comedian, 106 Long spans, 107 Filers in V's, 108 Ugly beasts, 109 Tel. book collection, 110 Angry rock genre, 114 See 123-Down, 115 News, 116 Kilt sporter, 118 Nest egg funds, for short, 120 How — (DVI books), 122 Soft & —, 123 With 114-Down, it includes the Brit. Open



## MAGIC MAZE ● SWAMPS

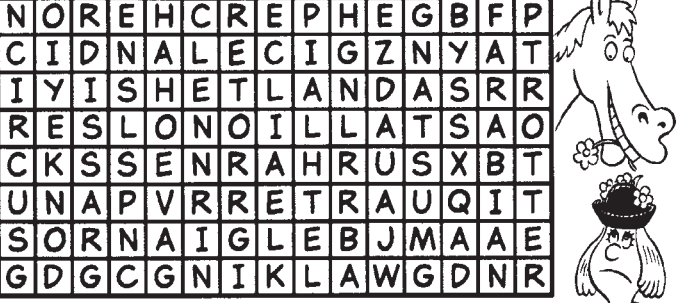
L U G R A T A R O C L J G D A  
X L A N A T N A P O T V S P N  
K I F C A X L V S N Q A O V L  
S J H E C A X E T G T V M A T  
R I P N L J H F D A R N D S T  
B Y Y S E D A L G R E V E Y A  
X O K E F E N O K E E R V U Y  
A B A D N A C T R E S G G G P  
R P D E V O R G N A M O I A I  
M U K I G E H D B Z X W U N R  
S T R Q O N L J I G F D C A P

Find the listed words in the diagram. They run in all directions forward, backward, up, down and diagonally. Unlisted clue hint: A Swamp is a Wetland With —

- Asmat, Candaba, Congaree, Everglades, Great Green, Honey Is., Mangrove, Niger Delta, Okefenokee, Pantanal, Pripyat, Ratargul, Sudd, Vasyugan

## Junior Whirl

by Charles Barry Townsend



TALLYHO, WORD SEARCHERS!

Hidden in the diagram above are names and words associated with horses. They can be found by reading up or down, or side to side. You'll even find them diagonally going up or down. Letters can be used more than once. Listed below are the words you're looking for.

- ARABIAN, BELGIAN, CARRIAGE, CIRCUS, DONKEY, GAIT, GRASS, HARNESS, ICELANDIC, MUSTANG, PASTURE, PERCHERON, QUARTER, SHETLAND, STALLION, TROTTER, WALKING

## TINKERING WITH THE ELEMENTS

## Bible Trivia

- Is the book of Habakkuk in the Old or New Testament or neither?
- From 2 Samuel, who asked, "How are the mighty fallen, and the weapons of war perished?" Saul, Simeon, David, Peter
- Who said, "I have heard many such things; miserable comforters are ye all?" Samson, Goliath, Devil, Job
- From the Beatitudes, who shall be called the sons of God? Hungry, Peacemakers, Merciful, Lonely
- What Jewish lady became queen of Persia? Abigail, Sarah, Esther, Ruth
- Whose biblical name means "God is judge"? Titus, Festus, David, Daniel

ANSWERS: 1) Old; 2) David; 3) Job; 4) Peacemakers; 5) Esther; 6) Daniel

## Top Ten Movies

- The Conjuring: The Devil Made Me Do It (R) Patrick Wilson, Vera Farmiga
- A Quiet Place Part II (PG-13) Emily Blunt, Millicent Simmonds
- Cruella (PG-13) Emma Stone, Emma Thompson
- Spirit Untamed (PG) animated
- Raya and the Last Dragon (PG) animated
- Wrath of Man (R) Jason Statham, Holt McCallany
- Spiral: From the Book of Saw (R) Chris Rock, Samuel L. Jackson
- Demon Slayer: Mugen Train (R) animated
- Dream Horse (PG) Toni Collette, Damian Lewis
- Witnesses (PG) Michael Zuccola, Caleb J. Spivak

