



Happy August!

How's your summer going? It's HOT in Hernando and our summer programming is coming to a close. A little helpful information if you travel to see us...Highway 51 traffic is being detoured to make the roundabout at Hwy 51 & West Oak Grove. So if you are coming to visit us at the Extension Office please be aware that you will be entering our complex from the back for a few weeks. Construction is on schedule to be completed before school starts on August 1, but if you find yourself coming to see us please note the detour. Hopefully by the time you are reading this newsletter the roundabout will be open!

Inside this months newsletter you will find it packed with information for you. We hope you will find useful. As always let us know if you have questions or concerns.

*Sincerely,
Extension Agents
Lara Angel, Laura Anglin, Jessica Sibley, and Matt Thornton*



How to control FLEAS

The key to flea control is to treat them everywhere they occur: on the pet, in the house, and in the yard.

Use on-pet flea treatments, which are administered either topically or orally, to control fleas on the pet. But only adult fleas live on the animal. Flea larvae live on the floor or ground in areas where pets spend time resting. Focus treatments for immature fleas in these areas.

Flea control is best done preventively. Expect it to take time, and repeated treatments, to control established infestations.

Understanding flea biology helps understand flea control. For information on flea biology and insecticides recommended for flea control on pets, in homes or in lawns, see MSU Publication 2597, Control Fleas on Your Pet, in Your House and in Your Yard by using the QR Code below.



SAVE THE DATE

2024
DESOTO COUNTY 4-H
AWARDS PROGRAM

NOVEMBER 21, 2024
6:00 PM

MORE INFORMATION TO COME



Signs of Drought Stress in Urban Trees

Drought stresses trees and causes them to be more susceptible to diseases, pests, and structural damage than they would be under normal, healthy conditions. Without water, trees are unable to absorb and transport minerals or nutrients. During a drought, fine root hairs die, reducing capacity to absorb water. Drought effects can vary, depending on tree species, health, vigor, and location. Drought symptoms include browning across the entire tree, but trees with damage to the root system will have large areas of dying foliage on the side of the crown.

Immediate visible effects include:

- Wilting
- Scorch
- Defoliation (Loss of Leaves)

Other signs could include:

- Producing seeds and suckers
- Insects, parasites, and diseases
- Branch die back and breakage
- Death of the tree

Alleviating drought effects is a task for the homeowner to supplement rainfall by helping the tree survive until it rains. The soil should be moist to a depth of 12 inches below the surface. This can be accomplished with slow, deep watering, which is preferred over fast, shallow watering. Watering for a long time to saturate the soil to a great depth is highly encouraged for deep root growth. Ways to accomplish this can be used through soaker hoses, sprinkler systems, and mulching which keeps moisture in and around the tree(s).

For more information on Effects of Long-Term Drought on Urban Trees or other considerations for planting and managing trees in a drought check out <http://extension.msstate.edu/publications/effects-long-term-drought-urban-trees>.



Leaf scorch on dogwood
Source: Robert L. Anderson, USDA Forest Service, Bugwood.org



Long-term drought stress and crown dieback on Japanese tree.
Source: William Fountain, University of Kentucky, Bugwood.org



Meal planning and prepping is all the rage these days. NOW is a great time to start since it's back to school season. Meal prep will help save your sanity this school year. Maybe "school" isn't the season of life you're in, but trust us meal prep is a great way to ease your burdens in the kitchen so you're not wondering "What's for dinner?". Meal prep is an easy way to be intentional about what you and your family eat, plus it will help you stick to a healthy diet. You will save time and money too!

Research shows that people who regularly do advanced meal preparation tend to consume more fruits and vegetables and eat a more balanced diet. Since a lot of us lead hectic lives, meal prepping allows us time to provide our families and ourselves with nutritious foods while saving us time each day. Meal prepping simply might be prepping ingredients you will use later like chopping up vegetables or making a spice blend to use later in the week, or it

could be completely preparing dishes to store in the refrigerator until cooking day. Meal prepping might be "bulk cooking" meat on the grill for the week or making a large batch of soup. It also includes preparing individual meals or snacks that are packed and ready to go for easy grabbing to toss into a lunch bag. Meal prep might be making breakfast items for on the go. Basically, meal prep is ANYTHING you do to help yourself get a meal on the table later in the week.

Meal prepping takes some of the stress and frustration out of deciding what to eat. Basically to start meal prepping create a game plan for what meals or snacks you want to prep for the week. Get your families input and requests then create a menu and shopping list. Shop and spend 1-2 hours meal prepping. Store prepped meals in the fridge for the week and enjoy the ease of meals throughout the week. Whenever you need a meal checkout your refrigerator for an easy meal vs. drive thru. Prepped meals are good for 3-4 days in the refrigerator. Reheat until 165 degrees F or cook according to cooking directions. With a little effort and time invested in planning, you're saving food and money by preparing meals in advance. We are challenging you this month to MEAL PREP to test out this method to see if you like it for your family.

Tate/Desoto Cattlemen's Meeting

Tuesday, July 30 2024
6:30 pm

Senatobia Church of Christ
Activities Building:
4214 HWY 51 Senatobia, MS 38668

Topic:
Beef Cattle Nutrition for
Fall/Winter

Speaker:
Dr. Brandi Karisch
Beef Cattle Specialist
Mississippi State University

TO RSVP:
Please call the Tate County Extension office
(662) 562-4274

Last day to RSVP: 7/25/24

Meal will be provided



August Gardening Tasks

Here's your gardening checklist and simple tasks for August! Some tasks include...

- Plant daylilies.
- Divide and transplant Louisiana iris, Easter lily, canna, lirioppe, ajuga, and Shasta daisy.
- Plant mums for fall blooms.
- Water plants.
- Watch for garden pests and diseases.
- Prune rose canes to encourage growth.

Remember to keep your plants watered deeply, but infrequently during these hot months. Without adequate moisture, the summer sun can be damaging to the life of your plants. Always remember to take a bottle of water with you anytime you're outdoors during summer months to stay properly hydrated! These gardening tasks are best done in the morning or evening hours to avoid extreme temps.



BOSTON
COLLEGE



FREE Professional Development Opportunity



Are you Interested in Integrating
Computer Science Into Your
Early Childhood Classroom?

Join us for a two-day workshop to learn how to teach coding using the Scratch Jr programming language and pre-K curriculum!

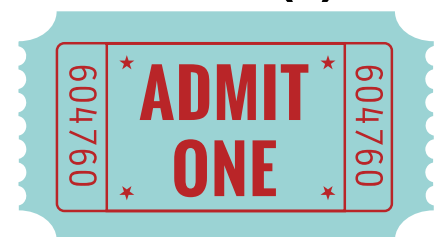
Register here



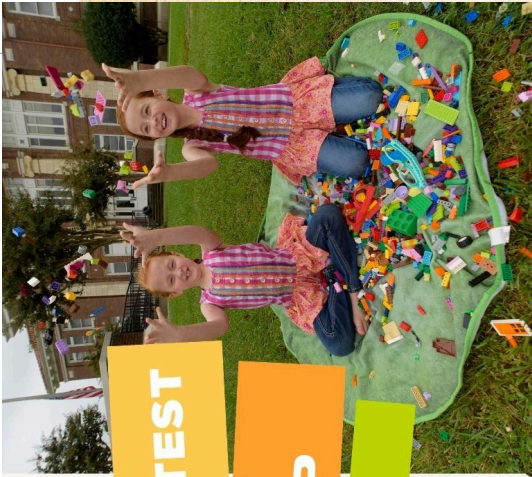
September 9th & 10th
Bost Conference Center
190 Bost North
Mississippi State, MS 39759



Mississippi State Fair Contest(s)



Mark your calendar October 3-14, 2024 for the Mississippi State Fair. On the next page you will find information about a few contest(s) featured at the state fair this year. Next month we will feature more contest(s) as the information is released. You can also check our DeSoto County 4-H page(s) to stay up to date with the latest contest information. Let us know if you have questions or would like to participate in a certain contest.



**4-H LEGO® BUILD CONTEST
& ROBOT
ROUND-UP**
at the State Fair!

**2 Contests =
More Fun at the Fair**

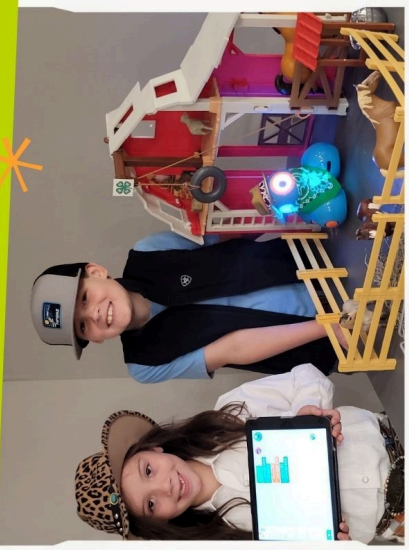
- For the LEGO® Build contest, there will be four age divisions:
- Cloverbud: 5-7-year-olds
 - Junior Cloverleaf: 8-9-year-olds
 - Juniors: 10-13 years old
 - Seniors 14-18 years old

This is an individual contest. All participants must create a LEGO project based on something they would find or see at the State Fair. All entries must fit into a disposable aluminum pan.

The Robot Round-Up will take place on the same day. This is a team contest. Each team should be 2-4 youth. Cloverbuds will use the Dash robot, and Juniors will use the NXT/EV3/SPIKE robot to create an animal they might find at the State Fair. Please see the 4-H Robotics newsletter for rubrics and complete guidelines.



Don't miss out on
the FUN at the
State Fair!



Be sure to sign up for the 4-H Robotics e-newsletter for more details and registration information!

★ ★ ★ ★ ★
Robot Round-Up

Team Building

The Robot Round-Up is a great opportunity for 4-H Roboticians to show off their building and programming skills at the Mississippi State Fair. 4-H'ers may work in teams of 2-4 youth to build a robotic animal to "show" at the State Fair.

- ★ Register with your local Extension Agent.
- ★ Building instructions and programming instructions can be found online and through books. Ask Mariah for resources if you need help.
- ★ All judging will be based on a rubric. You can find a link to the rubric on the Facebook page, newsletter or request via e-mail.
- ★ Please bring your robotic animal to the State Fair on October 12, 2024. Check-in begins at 9:45 AM, and will continue until 9:45 AM. Judging starts promptly at 10:00 AM. Youth are required to stay with their robotic animals during judging. They should be prepared to present their robot and answer questions about build, design and programming. Robots must be picked up by 12:00 PM.
- ★ You may decorate your robot or provide a backdrop provided the decorations do not permanently mark the robot.
- ★ Bring the family and enjoy 4-H Day at the Fair!

October 12, 2024

You may obtain State Fair Admission Tickets from your local Extension Agent.

Mississippi State University is an equal opportunity institution. For disability accommodation, please contact Mariah Morgan at 662-325-3350 and/or mariah.morgan@msstate.edu.

Step Right Up

- ★ **Cloverbuds (5-7)**
Use WeDo or Dash Robots to create and program a robotic animal.
- ★ **Juniors (8-13 yrs.)**
Use NXT/EV3/SPIKE Robots to create and program a robotic animal.
- ★ **Seniors (14-18 yrs.)**
Use NXT/EV3/SPIKE to create and program a robotic animal.



★ ★ ★ ★ ★
Admit ONE

4-H Dairy Poster Contest(s)

We had several 4-Hers participate in the 4-H Dairy Poster Contest this year. Check out their results below for county level placings...



Ages 14-18
Abigail Moore - 2nd Place



Ages 14-18
Willow Cox Osborne - 3rd Place

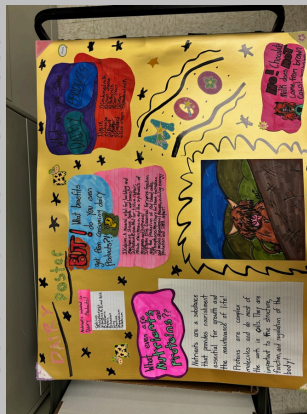


Ages 8-10
Tripp Carr - 2nd Place

Congratulations to our county contest winners!



Ages 14-18
Clara Thomas - 1st Place



Ages 11-13
Reese Tatum - 1st Place



Ages 8-10
Laiken Hammonds - 1st Place

All 1st place winners will advance on to the State Level contest.



North Mississippi 4-H Volunteer Leader Forum
North MS Research & Extension Center, Verona

August 10, 2024

Leadership Development, Educational Workshops,
& Networking Opportunities

Open to all volunteers, and potential volunteers!

The registration deadline is August 2, 2024.

Contact your county Extension Agent
for registration information.

We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

PUMPKIN GROWING CONTEST

YOUTH DIVISIONS:
Largest Pumpkin
Smallest Pumpkin
Prettiest Pumpkin (Natural)

ADULT DIVISION:
Largest Pumpkin

October 26, 2024
Hernando Farmer's Market
2535 Highway 51 South,
Hernando, MS 38632



FOR QUESTIONS AND REGISTRATION

CALL: 662-469-8480

EMAIL: EXT-DESOTO-REQUEST@LISTS.MSSTATE.EDU

4-H Project Achievement Day

This year we had (4) 4-Hers participate in the 2024 4-H Project Achievement Day in Grenada, MS! We are so proud of them! This event is for 4-Hers ages 8-13.

- Jasidy Gomes: 1st Place Ag Visual Presentation (12-13)
- Addilyn Gomes: 1st Place Interior Design (10-11)
- Zandrew Gomes: Cloverleaf Exhibit
- Jasidy Gomes & Melody Joy Eldridge: 1st Place Share the Fun Group Act

Next year you should plan on participating too! There are visual presentation contests, cloverleaf exhibits, share the fun contests, public speaking, plus other contest(s) like Consumer Judging, Dairy Products, Clothing Selection, Photography Judging, Child Development, Food and Nutrition, Wildlife and Seed ID. If any of these sound interesting let us know and we can start preparing NOW.



4-H Cookout Contest

Let us tell you--SOME of our 4-H'ers can GRILL!!! Congratulations to each 4-H'er who participated in our MS 4-H Cookoff contests on July 1. Each of these kids had to prepare a dish and maintain correct food safety protocols--and of course, the food had to taste good!

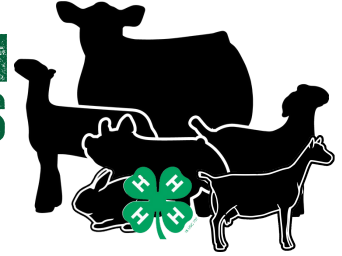
- Dusti Cox-Osborne placed 3rd in the Turkey Cookoff
- Willow Cox-Osborne placed 2nd in the Premium Steak Class of the Beef Cookoff
- Robert Cox-Osborne participated in the Pork Cookoff

LIVESTOCK EXHIBITORS

It is time to nominate your animals for the 2024 Mississippi State Fair!

NOMINATION FORMS DUE TO THE DESOTO COUNTY EXTENSION OFFICE BY AUGUST 30, 2024

LIVESTOCK VALIDATION DATES AND LOCATIONS



Monday, September 9: Hattiesburg – 8 am. to 2pm
Tuesday, September 10: Raymond – 8am to 2 pm
Wednesday, September 11 Greenwood – 8 am to 11 am
Wednesday, September 11: Oxford – 2 pm to 6 pm

All market steers, commercial beef heifers, market lambs, market hair sheep, commercial meat goat does, wether dams, breeding hair sheep, market hogs, poultry and market goats MUST BE validated to show at the 2024 MS State Fair.

Email Laura Anglin at L.anglin@msstate.edu for nomination forms or for more information regarding the 4-H Livestock program



4-H Jr. State Shooting Sports Competition

We had 36 Junior 4-Hers attend the 2nd Annual NW District Junior State Invitational.

.22 Rifle participants competed in the slow fire CMP course:



Junior II (10-11):

Easton Steward - 1st place
Hudson Finger - 3rd place
Truenne Speck
Colton Clark

Junior III (12-13):

Emma Higdon - 1st place
Caiden Laine
George Sykes
Reed Brown
Brody Scott
Katie Mann
Cannon Rambo
Mirandah Cook
Nathan Powell

Air Rifle 10M Junior I (8-9):

Elizabeth Thompson
Annabelle Boyd
Lilian Hollis
Jaden Kearney

Air Rifle 10M Junior I (8-9) Scoped:

Eason Graham - 1st place

Archery - Female

Junior II (10-11) Compound Bare Bow:

Taylor Fritz - 1st place
Carley Rose
Lucy Criddle

Junior III (12-13) Compound Bare Bow:

Laura Tullos - 1st place
Tessa Brewer - 3rd place

Archery - Male

Junior III (12-13) Compound Bare Bow:

Carson Rose



Junior I (8-9) Archery Recurve:

Pike Davis - 1st place

Junior I (8-9) Standard Compound Bow:

Laiken Hammonds - 3rd place

Junior I (8-9) Standard Compound Bow:

Eli Tessaro - 1st place

Junior II (10-11) Standard Compound:

Trip Shaw - 1st place
Canton Boland - 2nd place

Junior II (10-11) Unlimited:

Josiah Bolton - 1st place

10M Air Pistol

Junior III (12-13):
Madelyn Cook - 1st Place

Shotgun Junior III (12-13):

Mason McClure - 2nd place
Jason Harris
Peyton Rines
Daniel Thomason

Shotgun Overall:

Mason McClure - 3rd place



August

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1  4-H Rabbit Meeting @ 10AM	2	3 Western Heritage @ 9:30 am Home Canning Workshop Registration Required
4	5	6	7	8	9 4-H Advisory at 10 am	10 Western Heritage @ 9:30 am
11	12	13	14 MG Board Meeting	15	16	17 Western Heritage @ 9:30 am
18	19	20	21 MG Monthly Meeting	22	23	24
25	26	27 4-H Cooking Kit Pickup	28	29  4-H Poultry Chain Meeting @ 6 PM	30 Livestock Nomination Deadline	31 Western Heritage @ 9:30 am
1	2 Office Closed	3	4	5	6	7 Western Heritage @ 9:30 am

September