

SOUTH PLAINS HORTICULTURE

For the most recent updates, straight from the source



WELCOME TO OUR

SUMMER NEWSLETTER



WHAT'S INSIDE:



- South Plains Fair Horticulture Competition Information 2-9
- AG Chat 10-13
- The Drop of Life 14
- Getting Involved 15
- Tree of the Month! 16
- Shrub of the Month! 17
- Perennial of the Month! 18
- TDA Harvest of the Month 19

Find out more about the NEW Horticulture Show at the South Plains Fair [HERE:](https://www.southplainsfair.com/p/competitions/horticulture)
<https://www.southplainsfair.com/p/competitions/horticulture>





New

HORTICULTURE SHOW



Attention South Plains
Gardeners:




THE PANHANDLE SOUTH PLAINS FAIR
HAS ADDED A NEW EXHIBIT THIS
YEAR-

A HORTICULTURE SHOW!




ANNOUNCING THE
HORTICULTURE
COMPETITIONS!

- 
- competitions •
 - displays •
 - classes •
 - plant haven •
 - local plant organizations •
 - and much more!



For more information visit:

<https://www.southplainsfair.com/p/competitions/horticulture>



Horticulture Competition

2024 Rules & Regulations

Superintendent: Christina Reid

Judges: TBD

IMPORTANT DATES

Delivery of Entries (Horticulture Building) PM	Wednesday, Sept. 18, 2024	9:00 AM – 7:00
Judging	Thursday, Sept. 19, 2024	
Awards Presentation (Horticulture Building)	Saturday, Sept. 21, 2024	2:00 PM
Entry Pick-Up (Horticulture Building)	Sunday, Sept. 29, 2024	9:00 AM – 2:00 PM

Total Premium Offered - \$2,160.00 Entry Fees \$0.00

SPECIAL RULES *Please read all the rules carefully. Direct any questions to the Superintendent listed at the end of this section.*

1. This department is split into youth, ages 0-16 years, and adults ages 17+ years. Entries will be accepted only on Wednesday, September 18th from 9:00 a.m. to 7:00 p.m. in the Horticulture Building. You may enter through the BROADWAY GATE with your exhibit. Exhibits not delivered to the Superintendent by this time will be barred from competition. An entry card must be completely filled out by the exhibitor including a name, phone number, and address. Please refrain from using a teacher of advisors contact information.
2. Each exhibitor is limited to one entry in each class and all entries must be grown in the South Plains area during the 2024 year.
3. In cases where there is only one exhibitor and no competition, the judge or judges shall only award premiums in accordance with the merits of the exhibit which may be first, second, third, etc.
4. In classes of numerous entries, exhibits not placing in the top three may be disposed of at the discretion of the Superintendent for reasons of space.
5. The decision as to the proper class for a particular exhibit is the responsibility of the exhibitor. The arrangement of all exhibits will be done by the Superintendent.

6. Entries in this competition must be submitted by individual exhibitors only; team entries are not permitted but can be noted on the entry card. Example: Suzy Que, grown in the Lubbock Elementary School Garden.
7. The Panhandle South Plains Fair has the right to refuse any entry that has a serious disease of insect problem.
8. No entries with copyright or licensing infringement will be accepted. If there is any reproductions in whole or in part, a registered trademark or work of another individual, the Fair reserves the right to disqualify the entry.
9. The Fair is a family-oriented event. The Fair reserves the right to disqualify any entry that, in the Fair's sole judgement, is deemed inappropriate for family viewing, controversial, or in poor taste prior to judging and display.
10. The Fair will not be liable for entries made in error and will not re-open judging to accommodate such entries.
11. The Fair is not responsible for lost, damaged, or dead items. Small items, accessories, etc. should be securely fastened to their container. Items of great sentimental value should not be used.
12. While the Fair takes every precaution to ensure the integrity of the entries, the Fair is not responsible for loss, theft, or damage of entries. Damaged entries will not be repaired.
13. Any entry not picked up prior to 2:00 PM on September 29, 2024 WILL BECOME PROPERTY OF THE FAIR.
14. Any entry that does not comply with all competition rules will be disqualified.

Contacts: The following individual is available to answer any questions about the Horticulture Competition. Should an exhibitor require any accommodation due to personal health or medical conditions please inform individual at least one (1) month prior to the competition date.

CONTACT: Christina Reid

Superintendent

Christina.reid@ag.tamu.edu

Awards Presentation: *The Fair will host an awards presentation as follows: Saturday, Sept. 21, 2024 at 2:00 PM in the Horticulture Building main stage. Everyone is encouraged to attend.*

- Exhibitors placing Best of Show and 1st through 3rd in all competition categories will be recognized.
- Winning entries in the New Innovation Concept classes will be asked to give a 1 minute (60 seconds) oral sales pitch on their concept.
- The winning entries will be labeled indicating the level of award and all entries will remain on display through the end of the Fair.

DIVISION 1 – Cut Flowers

Premium money in Division 1 will be: 1st- \$15.00, 2nd- \$10.00, 3rd- \$5.00

All entries must be grown on the South Plains and the plant variety must be indicated on each entry card. Entries should be in a bud vase container with water unless otherwise noted. All entries should be show ready. No leaf shine or wax products allowed. Ribbons will be given to 1st through 3rd place in all three classes. Rosettes for Best of Show will be awarded in each class to be designated by the Superintendent. These awards are given at the discretion of the judges for entries which illustrate outstanding merit.

Class No.

1. Youth Floral Arrangement-Theme: Celebrate the Season! Container and plant species used at discretion of exhibitor
2. Adult Floral Arrangement-Theme: Celebrate the Season! Container and plant species used at discretion of exhibitor
3. Youth Floral Arrangement-Theme: Whimsical, container and plant species used at discretion of exhibitor
4. Adult Floral Arrangement-Theme: Whimsical, container and plant species used at discretion of exhibitor
5. Youth Floral Arrangement-Theme: Other, plants must be locally grown, container and plant species used at discretion of exhibitor
6. Adult Floral Arrangement-Theme: Other, plants must be locally grown, container and plant species used at discretion of exhibitor
7. Youth- Single stem Iris
8. Adult- Single stem Iris
9. Youth- Single stem Day Lily
10. Adult- Single stem Day Lily
11. Youth- Single stem other
12. Adult- Single stem other

Classes 13-16 are for Floribunda, Grandiflora, Hybrid Tea and Landscape (Knockout type) Roses

13. Youth- Single stem with one Flower
14. Adult- Single stem with one Flower
15. Youth- Spray of Roses (multi flowers, single stem)
16. Adult- Spray of Roses (multi flowers, single stem)

Classes 17-20 are for Miniature Roses

17. Youth- Single stem with one flower
18. Adult- Single stem with one flower
19. Youth- Spray of Roses (multi flower, single stem)
20. Adult- Spray of Roses (multi flower, single stem)
21. Youth- Mass Arrangement Roses (10 or more blooms)
22. Adult- Mass Arrangement Roses (10 or more blooms)
23. Youth- Any other shrub in bloom, 1 spray
24. Adult- Any other shrub in bloom, 1 spray
25. Youth- Any other vine in bloom, 1 spray
26. Adult- Any other vine in bloom, 1 spray
27. Youth- Any native plant in bloom, 1 spray
28. Adult- Any native plant in bloom, 1 spray

Division 2- Container Plants

Premium money in Division 2 will be: 1st- \$15.00, 2^d- \$10.00, 3rd- \$5.00

All entries must be grown in South Plains and the variety must be indicated on each entry card. Entries should be well watered before arriving to the Fair. All entries should be show ready and able to sit on a table. Leaf polishes or other commercial foliage enhancers are not permitted. Rosettes for Best of Show will be awarded in each class to be designated by the superintendent. These awards are given at the discretion of the judges for entries which illustrate outstanding merit.

Class No.

29. Youth- Creative Plant Display- See further details below*
30. Adult- Creative Plant Display- See further details below*
31. Youth Indoor Plant- Orchid
32. Adult Indoor Plant- Orchid
33. Youth Indoor Plant- Bonsai
34. Adult Container Plant- Bonsai
35. Youth Indoor Plant - Philodendron
36. Adult Indoor Plant – Philodendron
37. Youth Indoor Plant Ivy
38. Adult Indoor Plant Ivy
39. Youth Indoor Plant - Other
40. Adult Indoor Plant - Other
41. Youth Carnivorous Plant
42. Adult Carnivorous Plant
43. Youth Fairy Garden
44. Adult Fairy Garden
45. Youth Terrarium
46. Adult Terrarium
47. Youth Succulent
48. Adult Succulent
49. Youth Cactus
50. Adult Cactus

***Class 29 & 30: CREATIVE PLANT DISPLAY**

Exhibitors will plant and cultivate 3 or more different examples of plant species in an appropriate container.

General Guidelines:

- Entries must have owned and grown by the exhibitor starting on or before August 19, 2024.
 - Plants should have evidence of being grown in a container, such as being securely rooted in soil.
 - If plants found to have been freshly potted or do not stand up during the Fair because they were not potted soon enough, the award will be withheld.
- Entries should complete upon arrival to the Fair.
- Entries should be designed to be viewed from all sides.
- Entries should feature 3 or more different plant species per container

- Plant selection is at the exhibitor's discretion.
- Plants may belong to any species.
- Plants must be healthy, free of disease, and bug free. Plants are the only living items that may included with the entry – no living items are permitted. (e.g., animals, reptiles, bugs).
- Vivarium's are excluded from the competition.
- Plants should be creatively and attractively potted in a container that is suitable for a tabletop display.
 - Select a container that enhances the creative presentation of the entry.
 - If submitting a container grown plant, double potting is permitted, provided natural top dressing is used and the inside of the container is not visible. Top dressing must not float when watered.
 - If submitting a terrarium, double potting is not permitted.
 - If submitting a terrarium, the container may be opened or closed.
- Leaf polishes or other commercial foliage enhancers are not permitted.
- Accessories are permitted however emphasis should be on the creative use of natural, fresh planted materials rather than of accessories to create a scene.
- Containers must fit the display table.
 - Entries must not exceed a size of 30" wide x 30" deep.
 - Entries may not exceed 50 lbs.

Judging:

- There will be two rounds of judging.
- All entries will be judged in the first round of judging, and the top 10 entries determined at the judge's discretion will advance to the second round of judging.
- In the second round of judging, only the advancing entries will be judged on a 100 – point system.
 - o Up to 30 points may be awarded for plant health
 - o Up to 30 points may be awarded for variety of plants used.
 - o Up to 40 points may be awarded for display creativity and detail.

Division 3 – Plant Collections

Premium money in Division 2 will be: 1st- \$15.00, 2^d- \$10.00, 3rd- \$5.00

All entries must be collected on the South Plains. All entries should be organized in a way single place and legibly labeled. All entries should be show ready and able to sit on a table. Ribbons will be given to first through third place in all classes. Rosettes for Best of Show will be awarded in each class to be designated by the Superintendent. These awards are given at the discretion of the judges for entries which illustrate outstanding merit.

Class No.

51. Youth Pressed Flowers
52. Adult Pressed Flowers
53. Youth Herbarium – Texas Native Plants
54. Adult Herbarium – Texas Native Plants
55. Youth Herbarium – Historically Significant Plants
56. Adult Herbarium – Historically Significant Plants
57. Youth Herbarium – Other
58. Adult Herbarium – Other

- 59. Youth Insect Box – Pollinators
- 60. Adult Insect Box – Pollinators
- 61. Youth Insect Box – Other
- 62. Adult Insect Box – Other
- 63. Youth Garden Journal
- 64. Adult Garden Journal

Division 4 – Design & Innovation

Premium money in Division 2 will be: 1st- \$15.00, 2^d- \$10.00, 3rd- \$5.00

All entries must be produced on the South Plains. All entries should be able to sit on a table or stand alone. Ribbons will be given to first through third place in all classes. Rosettes for Best of Show will be awarded in each class to be designated by the Superintendent. These awards are given at the discretion of the judges for entries which illustrate outstanding merit.

Class No.

- 65. Youth Landscape Design – Paper, hand-drawn
- 66. Adult Landscape Design – Paper, hand-drawn
- 67. Youth Landscape Design – Paper, computer aided
- 68. Adult Landscape Design – Paper, computer aided
- 69. Youth Landscape Design – 3D Model
- 70. Adult Landscape Design – 3D Model
- 71. Youth New Innovation Concept – See details below*
- 72. Adult New Innovation Concept – See details below*

***Class 67 & 68: New Innovation Concept**

No idea is too big or too small! Share your ideas with us and cultivate your creativity! Exhibitors will put together a visual sales pitch for a new product relevant to the horticulture industry. All exhibitors must enter their own ideas. **Plagiarism will not be accepted and immediately disqualified.**

General Guidelines:

- Entries should be completed upon arrival to the Fair.
- Entries should be designed to be viewed by the general public and easily understandable. Things to be considered and answered in the visual/written sales pitch:
 - A. What problem or task does this innovation solve/produce?
 - B. What impact would this innovation make on the horticulture industry?
 - C. Who would use this innovation?
 - D. How does this innovation impact our environment?
 - E. What is stopping you from pursuing this innovation concept further?
- Sales pitch materials should be displayed in a way that is suitable for a tabletop display. Example: tri-fold project display board.

Judging:

- There will be two rounds of judging
- All entries will be judged in the first round of judging, and the top 10 entries determined at the judge's discretion will advance to the second round of judging.
- In the second round of judging, only the advancing entries will be judged on a 100-point system.
 - Up to 30 points may be awarded for creativity of innovation.
 - Up to 30 points may be awarded for display detail and use of marketing techniques.
 - Up to 40 points may be awarded for display for impact on horticulture industry.

Pick up of Entries: *All entries will remain on display at the fair from the date of competition through September 29, 2024 of the Fair. Exhibitors MUST pick up their entries at the following time:*

- September 29, 2024 Between 9:00 AM – 2:00 PM
- **ITEMS THAT ARE NOT PICKING UP DURING THIS TIME WILL BECOME THE PROPERTY OF THE FAIR.**



earth-wise guide to

Lawn Problems

AG

chat

Follow the flow chart to identify what may be damaging your lawn:

In this Fact Sheet:

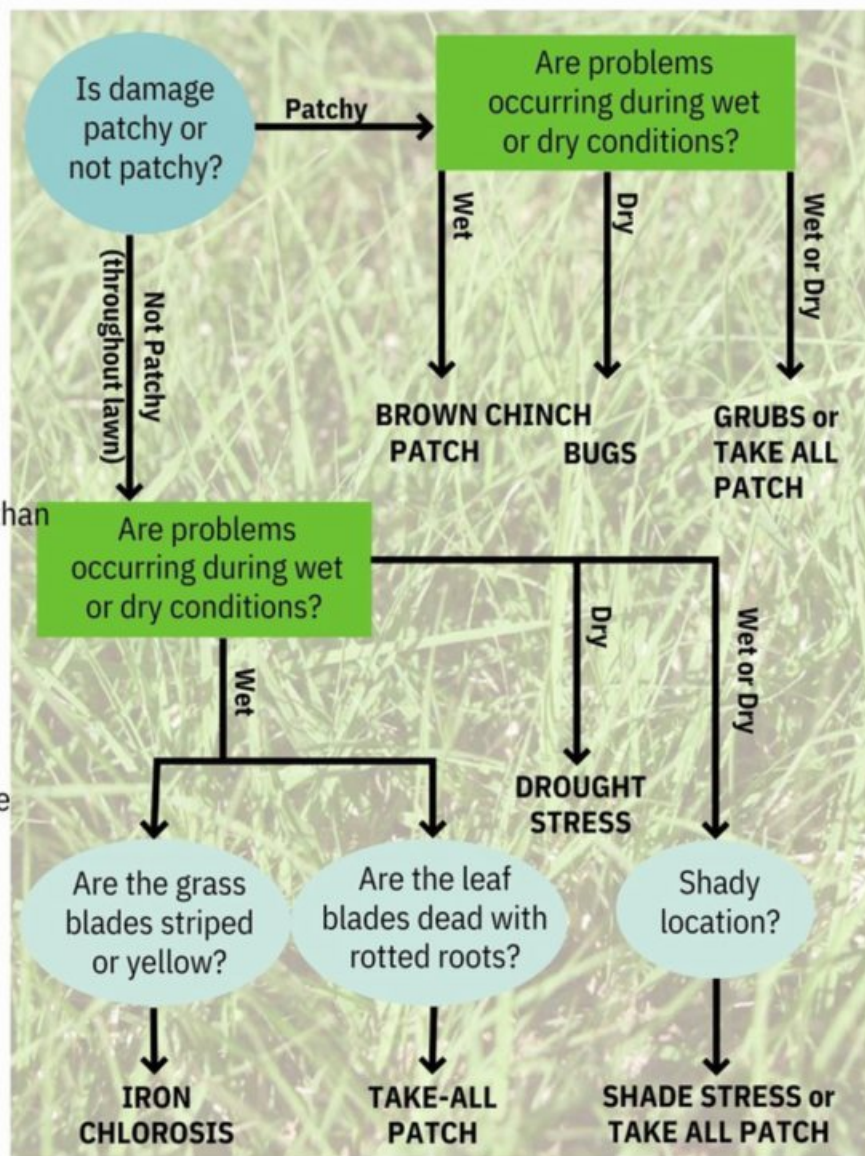
- Chinch bugs
- Grubs
- Brown Patch
- Take All Patch
- Drought Stress
- Iron Chlorosis
- Shade Stress

Quick Tips to avoid lawn problems

- Establish a healthy soil depth (at least six inches under your turf)
- Choose the correct turf for your light conditions and lawn use
- Aerate your lawn once a year to improve drainage and reduce soil compaction
- Irrigate efficiently (water in the morning, wet soil to a depth of 4-6 inches, and allow the soil to dry out between waterings)
- Mow properly taking no more than 1/3 of the leaf blade off with each mowing
- Test your soil periodically to determine which nutrients are lacking BEFORE you decide whether or not to fertilize
- Choose natural or certified organic fertilizers which are naturally slow release
- Build a healthy turf to avoid the need for herbicides

Identify before you buy

Need help diagnosing a plant problem? Call the Texas AgriLife Extension Service at 512-854-9600 and ask for the Master Gardener desk or email them at travismg@ag.tamu.edu



Insect Pests

Testing for Chinch Bugs:

Cut the bottom out of a coffee can and push the can one inch into your turf near the edge of a dead patch. Fill the can with water. If present, chinch bugs will float to the surface.



Chinch Bugs

Description:

Adults are small and slender; 1/6" to 1/5" long with black bodies and whitish wings; wings are clear with black "bases" on forewings; recently hatched nymphs are wingless, pinkish-red, with a light-colored band across their backs.

Infestation:

Cause expanding, irregular patches of dead or stunted grass surrounded by a halo of yellowing, dying grass; typically begins in a sunny location adjacent to a concrete walkway or curb. Damage can increase rapidly, especially in sunny locations during hot, dry weather.

Attacks:

Primarily St. Augustine grass; may feed on zoysia or bermuda grass

Prevention/Solutions: Prevent drought stress in your lawn. Irrigate efficiently (see page 1). Make your yard a haven for beneficial predator insects, such as big-eyed bugs and birds by avoiding the wide use of lawn chemicals. Check for chinch bug infestation on the grass blades at the edges of affected areas. Use insecticidal soap or other least toxic treatments (see last page). If there are signs of damage, spot treat only infested areas

Testing for Grubs:

Cut out one square foot of turf in an area you suspect of having grubs. Look for grubs in the soil directly under the turf, then press the turf back into place and water it in.



Grubs

Description:

Creamy white and C-shaped with three pairs of legs; grow to 1/2 - 1" long; grubs are May and June Beetle larvae.

Infestation:

Feed on roots and other underground plant parts; severely damaged lawns lose vigor and turn brown and can be lifted by hand like a carpet; most lawn damage occurs during summer and fall months.

Attacks:

St. Augustine, bermuda, zoysia, buffalo grass

Solutions: Promote healthy roots in your lawn by mowing high and watering effectively. Only treat when more than 5-10 grubs per square foot are found. Apply beneficial nematodes, (tiny worms that kill grubs) to affected areas and be sure to water them in.

Other Stresses



Drought Stress

Description:

Grass looks blue-green or silverish. Individual leaf blades curl. Footprints remain in the lawn when you step on it. The soil under the lawn is dry.

Tolerance to drought:

All turf can survive some drought stress, although some types of turf require less water than others

Buffalo:	Very Drought Tolerant
Bermuda, Zoysia:	Drought Tolerant
St. Augustine:	Drought Tolerant In Shade Only

Solutions: Choose drought tolerant turf grass. Irrigate efficiently by watering deeply and infrequently; water to a depth of 4 to 6 inches every time you water, and allow soil to dry out between waterings. Steeply sloped areas can be difficult to water effectively. Consider alternatives to turf slopes.



Iron Chlorosis

Description:

Leaf blades of the grass are striped green and yellow or completely yellow. Iron chlorosis occurs in alkaline (high pH) soils with high phosphorus levels, and also under cool wet soil conditions.

Attacks:

St. Augustine grass

Solutions: DO NOT use fertilizers that are high in phosphorus. Top dress turf with 1/4 - 1/3" compost. Aerate your lawn once a year. Iron supplements provide temporary relief.



Shade Stress

Description:

Turf grass thins and disappears, leaving bare patches of soil or areas of weeds.

Attacks:

Buffalo grass and bermuda grass do not grow well in shaded areas

Solutions: Choose shade tolerant groundcovers or shade tolerant turf grasses (such as St. Augustine and to a lesser extent, zoysia) to plant in shady areas. Thin out branches of trees a bit to "brighten" shady areas. Set mower higher to allow more leaf blade to capture sunlight. Minimize foot traffic or pet activity in shady areas.

LAWN PROBLEMS

CONT.

product toxicity comparisons

Evaluation of active ingredients only; does not include toxicity information on inert or "other" ingredients

Toxicity/Threat:
d low **c low to moderate** **a highest** **b high**
 ? unknown toxicity earth-wise **NA not applicable**

Hazards:

note	Product Name	target pest	active ingredient(s) / conc. entrans	human toxicity acute	human toxicity chronic	aquatic life	birds, bees, pets	soil mobility	environmental persistence
	Brown Patch and Take All Patch								
	Antidote™	grub	Beneficial nematodes	?	?	?	?	?	??
	Concern® Diatomaceous Earth Crawling Insect Killer	chinch	Diatomaceous earth from silica dioxide 85% Other elemental oxides 10%	?	?	?	?	?	d c
	Bonide® Grub Beater	grub	Azadirachtin 0.09%	C	?	c	b	d	b
	Maxide® Dual Insect Killer	both	Thiamethoxan 0.20% Lambda-cyhalothrin 0.04%	C	C	b	b	b	c
	Spectracide® Triazicide Once and Done!™ Insect Killer 2 Concentrate	both	Gamma-cyhalothrin 0.25%	b	C	b	b	c	c
	Spectracide® Grub Stop™ Once & Done!™	grub	Halofenozide 1.5%	C	?	a	c	d	d
	Bayer Advanced™ PowerForce® Multi-Insect Killer Concentrate	chinch	Cyfluthrin 0.75%	C	?	a	b	d	d
	Scotts® Turf Builder® with SummerGuard™	chinch	Bifenthrin 0.86%	C	?	a	b	d	d
	Green Light® Neem II Ready-to-Use		Pyrethrin 0.02% PBO 0.20% Neem Oil 0.90%	C	a	c	b	d	b
	Dialect® Multi-purpose	chinch	Pyrethrins 0.2% PBO 1.0% Silicone dioxide 82%	d	a	b	b	d	b
	Bayer Advanced™ Complete Insect Killer for Soil & Turf Ready-to-Spread Granules	chinch	Imidacloprid 0.15% Beta-cyfluthrin 0.05%	C	?	a	b	b	c
	Scotts® GrubEx® Season-Long Grub Killer	grub	Imidacloprid 0.2%	C	?	a	b	b	c/b
	Bayer Advanced™ 24 Hour Grub Killer Plus Ready-to-Spread Granules	both	Trichlorfon 6.24%	C	b	b	b	a	b
	Hi-Yield® Turf Ranger Insect Control Granules	chinch	Delta-methrin 0.1%	C	C	a	a	d	
	GardenTech® Sevin® Lawn Insect Granules	chinch	Carbaryl 2%	C	b	a	a	b	

The City of Austin and the Texas AgriLife Extension provide this information as a comparative reference only. Listing of a specific product trade name does not constitute an endorsement of its use. Many other pesticides and pesticide products, other than those listed in these tables are available and may be suitable for use. Products rated by Grady J. Glenn, Ph.D., B.C.E., of the Pesticide Safety Education Program, Texas AgriLife Extension Service. The rating system was developed by Philip Dickey of the Washington Toxics Coalition.

If You Must Use a Pesticide...

- Avoid applying broad spectrum pesticides – they destroy beneficial insects as well as pests and leave trees or shrubs unprotected if pests return
- Avoid highly mobile or persistent products
- Apply only to plants specified on the label – some formulations injure tender ornamental plants and new growth
- Mix according to directions and apply only recommended dosage
- Systemic pesticides are taken up by the plant and make its tissues and fluids toxic to the feeding chinch bugs and grubs. Non-systemics must be applied to all infested plant surfaces for best results, because they must come into direct contact with the insects
- Avoid overuse of chemicals – many pests have become resistant to certain pesticides



We are starting a YouTube Channel! Head over to YouTube and look up Lubbock AgriLife Extension Horticulture as we post videos on current topics and tutorials for all your horticultural needs.

Subscribe

Be sure to subscribe and click the bell to get notifications of the latest videos!

SOW & GROW

Are you in need of seeds for this growing season? Check out the Lubbock Public Libraries to make use of the Sow & Grow Seed Library programs. Each library has a variety of seed packets free of charge to the community! Seed donations are also appreciated.

NEW

ASK THE AGENT + MORE!

Ask Texas A&M Extension Horticulture Agent Christina Reid any questions on horticulture, urban landscapes, home gardens + MORE!



Phone: (806) 775-1740
 Email: christina.reid@ag.tmau.edu

HAVE YOU HEARD?

Lubbock County Extension brings you the latest ag news every day to your local radio station! Tune in to 105.7, the Red Dirt Rebel, between 1:45 and 2:00 p.m. every day. Be sure to give us a listen!



THE DROP OF LIFE

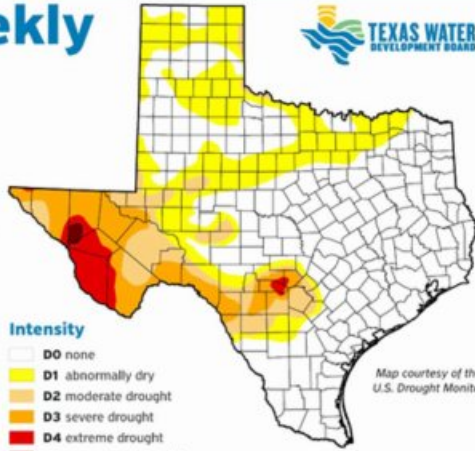
Water Weekly

For the week of 08/05/24



Water conditions

The latest drought map for conditions as of July 30 shows improvements in Central Texas and a mix of improvements and degradations in the Panhandle and North Texas. Overall, drought contracted one percentage point and now covers one-fifth of the state, its smallest extent since October 2021.



Map courtesy of the U.S. Drought Monitor

Drought conditions

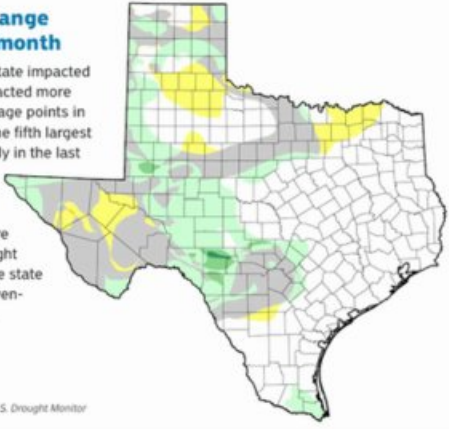
- 20% now
- 21% a week ago
- 27% three months ago
- 52% a year ago

Intensity

- D0 none
- D1 abnormally dry
- D2 moderate drought
- D3 severe drought
- D4 extreme drought
- D5 exceptional drought

Drought change in the last month

The area of the state impacted by drought contracted more than five percentage points in the last month, the fifth largest contraction in July in the last 25 years. But drought intensified in West Texas, where exceptional drought re-emerged in the state after a nearly seven-month absence.



- Key**
- 5 Class Degradation
 - 4 Class Degradation
 - 3 Class Degradation
 - 2 Class Degradation
 - 1 Class Degradation
 - No Change
 - 1 Class Improvement
 - 2 Class Improvement
 - 3 Class Improvement
 - 4 Class Improvement
 - 5 Class Improvement

Map courtesy of the U.S. Drought Monitor

By Dr. Mark Wentzel, Hydrologist, Office of Water Science and Conservation
 Kellen McMurry, Government Relations | Kellen.McMurry@twdb.texas.gov | 512-475-1589
 Media Relations | MediaRelations@twdb.texas.gov | 512-463-5129

www.twdb.texas.gov
 f X @ y in

MINDFUL WATERING

Water is limited. Save some today!



How much **water** do you think running a dishwasher uses?

Run only a full load to maximize water savings!

Answer on other side in gallons (one gallon = a milk jug!)

How much **water** do you think watering a 1,000 sq ft lawn an inch deep uses?



Water in the morning and plant Texas natives!

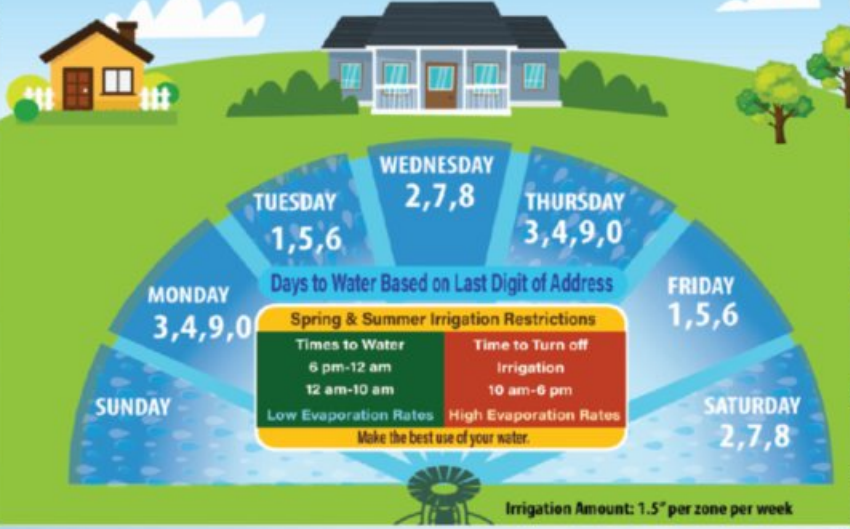
Answer on other side in gallons (one gallon = a milk jug!)

- Dripping faucet: 1 to 8 gallons
- Brushing teeth: 4 gallons

Texas Water Development Board
 www.twdb.texas.gov

Spring & Summer Watering Days & Times

IRRIGATION FROM APRIL 1ST - SEPT. 30TH



Getting Involved

around the community



Lubbock Arboretum 2nd Saturday Program
Saturday, August 10, Brant Baugh, Texas
AgriLife Lubbock County Agriculture
Extension Agent
10 am 4111 University Ave.



LMGA: Lubbock Master Gardener Association

Helping Lubbock County Grow

Hub City
**GARDEN
TOUR 2024**



SATURDAY, SEPT. 7 ● 9 am - 1 pm

Five home gardens, plus the LMGA Demonstration Garden



SCAN ME

Scan for tickets

or visit LubbockMasterGardener.org/GardenTour

- Tour happens, rain or shine! \$20/person; kids 12 & under - free
- Each garden: door prizes; talks by garden hosts
- Proceeds support LMGA's free resources for Lubbock County.

IRIS SPONSORS

Anderson Fine Homes	Destiny Pools
Overhead Door Co of Lubbock	Texas Rock and Flagstone

LANTANA SPONSORS

Canyon's Edge Plants	City of Lubbock Stormwater Compliance	Crazy Hoe Farms
Denisha "DeeDee" Schmucker, REALTOR®	Idalou Harvest Co.	Ivey Gardens
Karla Ross, REALTOR®	J & J Garden Mart	Little Red Nursery
Sutherland's Home Base	Watermaster Irrigation	Out on the Patio

DAISY SPONSORS

Action Printing	City of Lubbock Water Dept	Environmental Landscape Solutions
Friends of Lubbock Public Library	Green Thumb Pond	King Lawn & Landscape
Mammie's Metal Art & More	South Plains Chapter of Texas Master Naturalists	
Rustic Furniture Warehouse Sales	Short Trip Farm	Woody's Burger Barn
Tom's Tree Place	Wolfforth Farmer's Market	Woody's Grille, Pizza and Pub

LubbockMasterGardener.org and Lubbock Master Gardeners

Persons with disabilities needing accommodations for effective participation in the program should contact the Lubbock County Extension Office at least one week prior to the event to request mobility, hearing, visual or other assistance.



TREE OF THE MONTH!

The Southern Magnolia (*Magnolia grandiflora*) is a striking and majestic tree, reaching heights of up to 90 feet and boasting a trunk diameter of up to 4 feet. It features a dense, pyramidal or oval crown with branches that often extend all the way to the ground in open spaces. This tree thrives in rich, moist, well-drained soils found along streambanks and river swamps in southeast Texas, but it has also been widely cultivated as an ornamental specimen outside its native range. Its leaves are large, simple, and alternate, measuring 6 to 8 inches long and 2 to 3 inches wide, with a thick, leathery texture that is dark green and glossy on top and rusty with fine hairs underneath.



Copyright © Robert O'Brien

The Southern Magnolia is renowned for its large, fragrant flowers, which are 6 to 8 inches across, cup-shaped with pure white petals and a vibrant purple center, blooming in spring and summer. The tree produces rounded, cone-like fruit, 3 to 4 inches long, that splits open in the fall to reveal bright red seeds dangling on slender threads. The bark is initially smooth and gray-brown, developing scales on larger branches and trunks over time. Although historically used for furniture and fuelwood, its moderately heavy, hard, and cream-colored wood is now predominantly appreciated for landscaping. The Southern Magnolia is part of an ancient genus of flowering plants, with a lineage stretching back approximately 130 million years.

SHRUB OF THE MONTH!

CALLICARPA
AMERICANA

Callicarpa americana, commonly known as American Beautyberry, is a deciduous shrub native to the southeastern United States. This plant is renowned for its striking and ornamental clusters of vibrant purple berries that appear in late summer and persist through fall, creating a dramatic contrast against its green foliage. American Beautyberry typically grows between 3 to 6 feet tall and wide, forming a rounded shape with arching branches. Its leaves are simple, ovate, and arranged alternately along the stems, offering a lush, green backdrop. In addition to its eye-catching fruit, *Callicarpa americana* produces small, inconspicuous pink or lavender flowers in late spring to early summer. Preferring well-drained soils and a sunny to partially shaded location, this shrub is adaptable to a variety of soil types and conditions. It is often used in landscaping for its aesthetic appeal and its ability to attract birds and wildlife, which are drawn to its berries. The American Beautyberry is also valued for its relatively low maintenance requirements and its role in naturalizing garden spaces.



Maintaining **Callicarpa americana**, or American Beautyberry, is relatively straightforward, making it an appealing choice for gardeners. The plant thrives in well-drained soils and can adapt to both full sun and partial shade, though it generally performs best with some protection from the harsh afternoon sun. Regular watering is important, particularly during dry periods, to keep the soil consistently moist but not waterlogged. Pruning is recommended to maintain the shrub's shape and to encourage a fuller, more compact growth; this is best done in late winter or early spring before new growth begins. Removing any dead or damaged branches will help promote healthy development. Fertilization is not strictly necessary, but a balanced, all-purpose fertilizer applied in early spring can support vigorous growth and fruiting.



PERENNIAL OF THE MONTH!

BLACK-EYED SUSAN



Rudbeckia hirta, commonly known as Black-eyed Susan, is a hardy, perennial flowering plant native to North America, celebrated for its vibrant, daisy-like blooms. This plant typically reaches heights of 1 to 3 feet and features bright yellow to golden-yellow petals surrounding a prominent, dark brown or black central cone, which gives it its distinctive appearance. Black-eyed Susan thrives in full sun to partial shade and prefers well-drained soils, making it a versatile addition to various garden settings. It is known for its long blooming period, from mid-summer to early fall, providing a burst of color when many other plants are fading.

The plant is relatively low-maintenance, requiring only occasional deadheading to encourage prolonged flowering and prevent self-seeding if not desired.

Black-eyed Susan is also drought-tolerant once established, making it a resilient choice for garden landscapes. Its attractive flowers not only enhance garden aesthetics but also attract pollinators such as bees and butterflies, contributing to a biodiverse garden environment.



Red & Yellow Bell Pepper



HARVEST OF THE MONTH
AUGUST



Red and yellow bell peppers grow everywhere in Texas and both are "hot" ingredients in dishes all over the world. Red bell peppers could be called the full-grown bell peppers, because they are picked later than other bell peppers. They often have a sweet taste. Yellow peppers are picked in the middle of their growing time and are in between green and red bell peppers on how ripe they get. Yellow bell peppers lack the sour taste green peppers sometimes have.

did you know?

One medium-sized red bell pepper contains approximately 150 percent of the recommended daily allowance for vitamin C, making it a great food source for this vitamin.

fun fact

Bell peppers were given the name "peppers" by Christopher Columbus and Spanish explorers who were looking for "peppercorn" to make black pepper.



Bell Pepper Growing Regions

- | | |
|--------------------|----------------------|
| 1. The High Plains | 5. Trans Pecos |
| 2. North Texas | 6. Winter Garden |
| 3. East Texas | 7. Coastal Blend |
| 4. Central Texas | 8. Rio Grande Valley |



TEXAS DEPARTMENT OF AGRICULTURE
COMMISSIONER SID MILLER

This product was funded by USDA. This institution is an equal opportunity provider.

