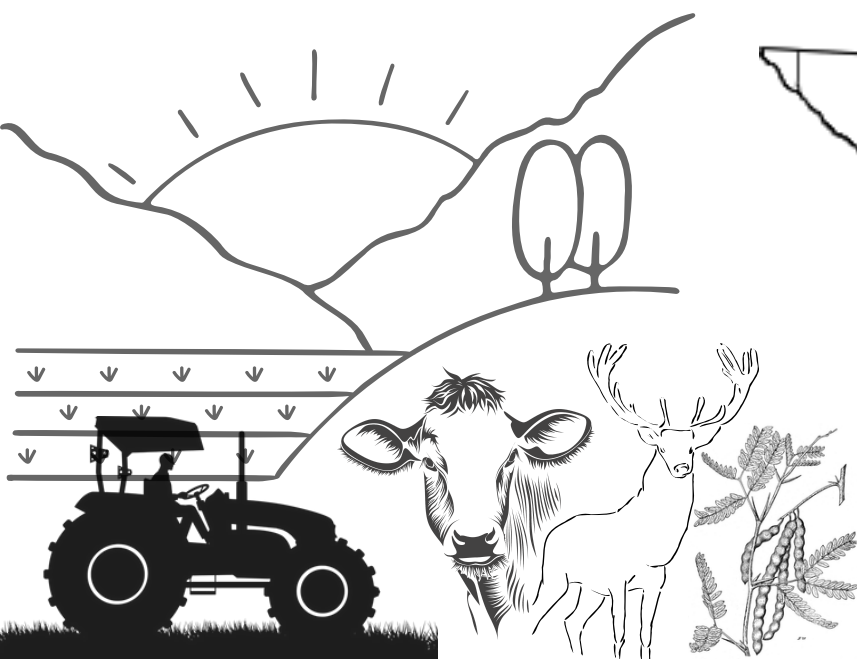




ZAVALA COUNTY

AGRICULTURE AND NATURAL RESOURCES

March 2023
Newsletter



Texas A&M AgriLife is committed to providing safe and non-discriminatory learning, and work environments for all members of the AgriLife community. AgriLife provides equal opportunity in all programs, activities, education, and employment to all persons regardless of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, gender identity, or any other classification protected by federal, state, or local law.

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2023 South Texas Agriculture Symposium

Tuesday, April 11, 2023 8:00 am-2:30 pm

Hosted by Texas A&M AgriLife Extension - South Texas Based Specialists

Modifying Practices to Increase Success in 2023

- Tips for Ranching/Farming Financial Management
- Weather-Related Challenges for Horticulture Plants in 2023
- Plant Disease Basics: Why is my plant sick?
- How Weeds Adapt to Our Control Efforts
- Why Plant Phenology Matters in Rangeland Habitat Management
- Management to Promote Rangeland Soil Health
- Predator Management: Is it worth it?
- Considerations When Harvesting Game for Taxidermy
- Dealing with Desert Termites and Fall Armyworms in Pastures

2 General Pesticide Applicator CEUs!

Dimmit & Zavala County

Location: 539 Industrial Blvd
Carrizo Springs, TX 78834

Cost: \$10 (CASH ONLY)

RSVP by March 31, 2023,
5:00 PM

To RSVP please call your local
AgriLife Extension Office

Meal sponsored by United
Rentals
- Carrizo Springs



The members of Texas A&M AgriLife will provide equal opportunities in programs and activities, education, and employment to all persons regardless of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity and will strive to achieve full and equal employment opportunity throughout Texas A&M AgriLife.

2023 Spinach Field Day at Tiro Tres Farms

Crystal City, TX
2/22/23

On February 22nd approximately 100 guests from all over Texas, the United States, and out of the country joined local producers for their annual Spinach Field Day hosted by Tiro Tres Farms, Crawford Farms, and The Wintergarden Spinach Producers Board in Crystal City, TX. In attendance were persons involved in various



occupations of agriculture, ranging from seed breeding to crop protection. The purpose of this field day was to showcase seed producers' products, conduct various research trials, and was even an excellent opportunity for pesticide applicator license holders to gain credit hours.

The field day consisted of a tour overview of research trials presented by Dr Larry Stein, Dr Kimberly Cochran, Dr Carlos Avila, Mike Phillips, Lindsey Du Toit,



and Kayla Spawton. The spinach varieties were each exposed, or *inoculated*, to three types of fungus: Stemphylium, Anthracnose, and White Rust.

Stemphylium, *Stemphylium vericarium*, is a fungus that causes leaf spots that turn a tan color as the disease progresses.

Anthracnose, *Colletotrichum dematium*, is a fungus that causes water-soaked lesions on both young and old leaves; the lesions turn a brown color and cause the leaves to become thin. White rust,

Albugo occidentalis, appears in spinach

as yellow lesions on the upper leaf surface, and as white, blister-like pustules on the lower surface of the leaves.

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In addition to the fungal inoculation, Dr. Larry Stein and Mike Phillips conducted a fungicide trial for White Rust Control. This fungicide trial consisted of 16 treatments across 9 fungicides and were either used alone, in combination with others, or with surfactants. The fungicides used were Double Nickel (Cerits Biologicals), LifeGard (Certis Biologicals), Oso (Certis Biologicals), Reason (Gowan Company), Revus (Syngenta), Neo (Syngenta), Timorex (Syngenta), Merivon (BASF), and Veltyma (BASF).

Thank you to the generous sponsors for making this day possible. Tiro Tres Farms, Crawford Farms, Wintergarden Spinach Producers Board, Espinaca Farms, Keithly Williams, Helena Agri-Enterprises, Zavala County Bank,

Tellus Equipment Uvalde, Capital Farm Credit, Syngenta-AgriEdge, BASF, Certis Biologicals, TS&L-California, Winter Garden Soil and Water Conservation District #326, SEEDWAY LLC, Texas Agri-Women- Uvalde Chapter, Medina Electric Cooperative, Inc., Agricultural Education Consulting, First State Bank of Uvalde, Gowan Seed Company, Wilbur-Ellis Agribusiness, and Enviro 370, LLC.

With their support we are able to continue research that is vital to the sustainability of spinach production in the wintergarden area, and the spinach industry as a whole.