## May 4, 2020 Vol. 4 Issue 4



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## North East Texas IPM (Integrated Pest Management)

## General Area Crop Progress

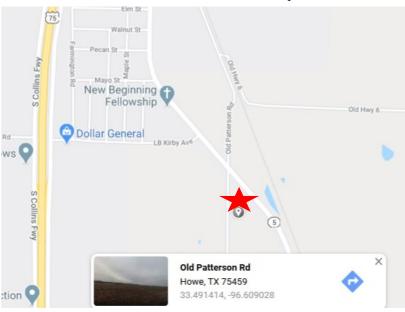
Cotton planting has started, corn side dressing and spraying is underway. Some late grain sorghum and soybeans replaced unplanted corn. There have also been some sunflower and sesame planting considered in our area. In walking fields keep an eye out for herbicide resistant ryegrass and other weeds/pests that can cause trouble. Below are recent pictures of a lone rye grass plant that survived a glyphosate application and also some overwintering sugarcane aphids on weedy Johnson grass.



**Wheat** continues to mature with lower levels of rust, pockets of true armyworms and other diseases including Septoria on leaves, glume blotch on spikes, and Fusariam head blight or head scab showing up. The continuous wet weather during flowering was favorable for Fusarium head blight and many heads are now showing the blight. See additional images on page 2.

Wheat Field Days have been cancelled due to Covid-19 precautions but producers can do a Self Guided Field Tour at our Howe, TX location. The plots have been

marked and handouts will be available after Wednesday morning May 6th. Plot maps are also enclosed in this newsletter. See map to the right. Other trial location visits at Greenville and Fairlie, can be arranged for cooperators.



Wheat spikes infected by Fusarium head blight in 2020, the fungus infects the open florets and then spreads through the head colonizing and shriveling up other florets and kernels. Yield is lost and there is the possibility of the fungus producing the deoxynivalenol (DON) vomitoxin, and contaminating the grain.



2019-20 Field Map for Wheat Studies at Howe, TX Norman Farms, Cooperator

1-45 1-6 ad <i>November 4, 2019</i> Site Harvested <i>TBD</i>	SRWW Variety Comparison with Selected HRWWs Study	Dyna-Gro TV 8861 USG 3120	1-45	Fungicide Timing Study	Fungicide Profitability Study	
<b>1-45</b> →→→→→ planting direction Site Planted November 4, 2019	SRWW Variety Comparison with		1-45		Fungicide Profitabi	

Planting Note: All studies received Nachurs Triple Option 4-13-17-1S at planting (~ 2.3 lbs. N/~ 7.3 lbs. P2O5/~9.6 lbs. K2O/~0.6 lbs. S) (5 gal/Ac Nachurs + 5 gal/Ac H<sub>2</sub>0 = 10 gal/Ac) – 30 psi & 16 oriface

BORDERS: Milburn (2 on left of Fungicide Profitability & SRWW Variety Comparison, 2 on right of Fungicide Timing Study & 2 between each study)

NOTE: 2 passes along the back and both sides, 3 passes along the front of site were planted with AGS 2055 as filler

(~ 10 ft along back and both sides, ~15 ft along front)

Planting Area for the Wheat Studies: 57 passes @ 5//pass = 285' wide x 280' deep =  $\sim$  1.8 Ac

Planted Area for the site: 305' x 305' = 2.1 Ac

December 18, 2019 applied 50 lbs/Ac Actual Nitrogen (34-0-0) February 27, 2020 applied 50 lbs/Ac Actual Nitrogen (32%) <-------Old Patterson Road------→

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20-03. 2019-20 Wheat @ Howe, TX (Norman Farms, Cooperator) Fungicide Profitability Study

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VARIETIES - Sprayed	1. AGS 2038	AGS 2055	Go Wheat G	Go Wheat G	Dyna-Gro 9002	Dyna-Gro 9012	Dyna-Gro 9522	Dyna-Gro 9701	Dyna-Gro 9811	Dyna-Gro TV	11 Dianan JEDAD
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Syngenta Monument (HRWW) Monsanto WB-Cedar (HRWW Monsanto WB-4269 (HRWW) 41. Monsanto WB-4303 (HRWW)

38. 39. 40.

Go Wheat GW 6000 Go Wheat GW 2032

26.

5

Dyna-Gro 9002 Dyna-Gro 9012 Dyna-Gro 9522

27.

28.

29.

34. Syngenta Coker 9553

**VARIETIES - Unsprayed** 

23. AGS 2038 24. AGS 2055

35. USG 3329 36. USG 3536 37. USG 3895

December 18, 2019 applied 50 lbs/Ac Actual Nitrogen (34-0-0)

February 27, 2020 applied 50 lbs/Ac Actual Nitrogen (32%)

121 - leaf rust lower, GS 9-10 122 – septoria lower, GS 9-10 April 10, 2020 applied TebuStar @ 4 ft.oz/A + NIS @ 0.25% v/v to Sprayed Varieties – WIND: 6-8 mph E, TEMP: 66°F, RH: 37%; plots 101-122 "not good", plots 202-222 "bad", plots 223-244 "so so"; Observations as follows: 117 - septoria lower, leaf rust flecking, GS 10-10.5 118 - septoria lower, GS 10-10.5 119 - leaf rust, septoria lower, GS 8-9 116 - septoria lower, GS 10-10.5 111 – leaf rust & septoria lower, GS10-10.5 112 - septoria lower, GS 9-10 113 - septoria lower, GS 9-10 114 - septoria lower, GS 9-10 115 - septoria lower, GS 9-10 107 – septoria lower, GS 9-10 108 – flecking, septoria lower, GS 10 109 – septoria lower, GS 9-10 106 - septoria lower, GS 9 103 - septoria lower, GS 9-10 104 - septoria lower, GS 9 105 - septoria lower, GS 9-10 101 – septoria lower, GS 9-10 102 – septoria lower, GS 10

120 - septoria lower, GS 9-10

110 - septoria lower, GS 9-10

Gallagher (HRWW)

14.

32. Dyna-Gro TV 8861

Pioneer 25R40

33.

Dyna-Gro 9811 30. Dyna-Gro 9701

31.

42. TAM 114 (HRWW) 43. TAM 205 (HRWW)

## Forage Sorghum/Sudans Identified as Having Some Resistance to Sugarcane Aphid (SCA)

Texas A&M AgriLife Trial. 2017, Hunt County:

Sweeter N Honey II, Sweeter N Honey II BMR: Richardson Seed

Super Sugar DM: Gayland Ward

University of Georgia Trial Results, 2017:

Sweeter N Honey II, Sweeter N Honey II BMR: (under different name in Georgia) Super Sugar DM: Gayland Ward SP 6205 BD and Sordan Headless: Sorghum Partners Surpass BMR dw (SGxS): Coffey Seeds FullGraze BMR: Dyna-Gro

Marketed as Having Tolerance/Resistance by the Seed Company

**Xtra Graze BMR Sudan Grass. Coffey Seed, Plainview, TX Grow N Graze Defender: Warner Seed** 

Note:

Resistant/tolerant hybrids are NOT immune to SCA and must be inspected weekly to monitor infestations and may need to be treated with an insecticide or harvested early to avoid crop loss due to SCA damage.

### David R. Drake, Integrated Pest Management (IPM)



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# Calendar

May—Self Guided Wheat Field Tour - Howe, TX July—Summer Crops Tour—Greenville, TX

For information on COVID-19

The Texas A&M AgriLife Extension Service is leading an education effort helping local governments with the Coronavirus Aid, Relief, and Economic Security (CARES) Act.

See https://agrilifelearn.tamu.edu/

There are also courses for Child Care and Coronavirus at the same location.

Extension Disaster Education Network (EDEN) EDEN information on the Coronavirus can be found at: https://texashelp.tamu.edu/coronavirus-information-resources/

USDA Resources can be found at: http://usda.gov/coronavirus

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.