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## General Area Crop Progress

The long, rain delayed, and often muddy wheat harvest is finally winding down. Yields have been averaging between 50-70 bushels with some fields or areas of fields yielding much less due to disease, freeze, foot rot, weak straw, and lodging. Test weight has suffered ranging in the mid to upper 50 lbs/bushel due to disease, late rains, and some sprouting.

Page 2 has some fungicide trial observations and Page 3 has the [variety trial results](#) from the Greenville University Farm.

**Corn** is improving in some areas. Fields are highly variable due to excessive moisture, planting date, and fertilizer practices.

There are low areas where water ponded with short yellow plants and small ears that may have not all pollenated. Several fields have claimed insurance losses.

Early planted **Soybeans** continue to grow well with some others planted as a double crop after wheat due to excellent soil moisture. **Grain Sorghum** has reduced acreage in the area with heavy rains in the ideal planting window and is mostly pollenating. Producers need to scout for head worms. Sorghum webworms above as economic treatment threshold levels have been found in the area (see picture on the right) Sugar cane aphids

have been scarce. The Second planting of **Cotton** wrapped up in mid June with plants growing rapidly with moisture, heat and sunshine. Thrips were a factor early but plants have outgrown them and other insects are relatively low at this time. Bollworms will increase as corn earworms pupate and moths emerge to lay eggs on cotton. We have a summer crops field day coming in the later part of July.



### Greenville Summer Crops Field Day

**July 22, 2021 9:00 am 2157 FM 1569 Greenville, TX 75401**

Visit the new building and see the following Research on Display:

Annual Ryegrass Control/Cover Crop Trial.

Soybean Herbicide Trial

Cowpea/Black-eyed Pea Variety Trial.

Corn Fertility Trial

Cotton Variety Trial



Figure 1. Fungicide treated strip of wheat near Commerce, TX. May 14, 2021. 40 days after treatment.

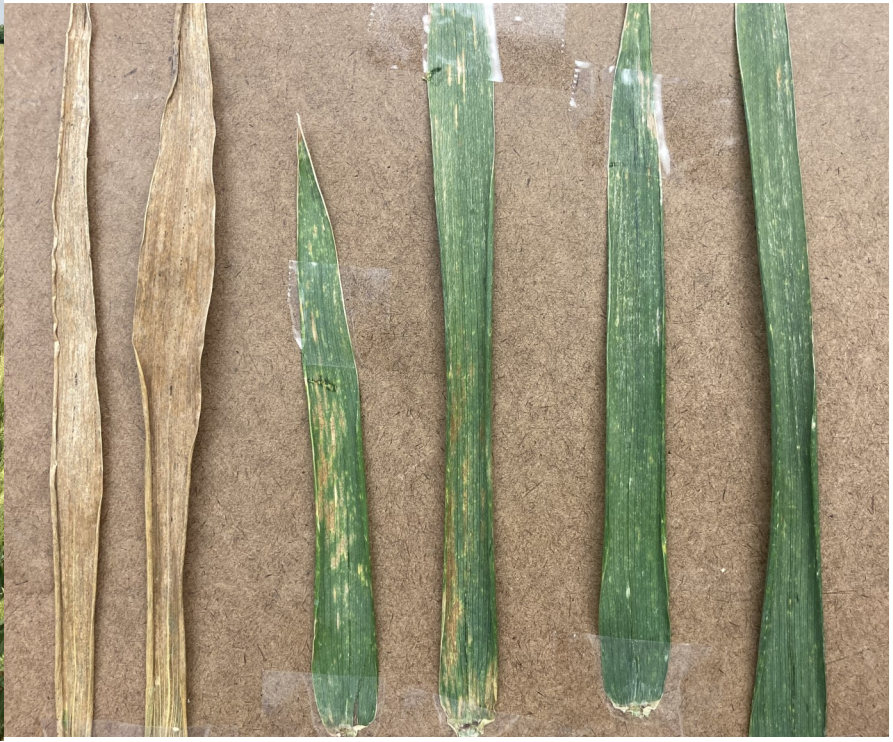


Figure 2. Wheat flag leaves, variety AGS 2055; 40 days after treatment. Two untreated leaves, left; Two leaves treated with Tilt, showing disease lesions of Septoria, middle; Two leaves treated with Trivapro, right.

Table 1. Response of wheat to foliar fungicide treatments near Commerce, TX in 2021. Heavy disease pressure from Stripe Rust and Septoria Leaf Blight was observed. Treatments applied April 5, 2021 at heading. Values are the averages of 2 replications for the treated and 3 for the untreated. Note: that Propiconazole does not have good activity on Septoria.

Treatment	Grain Yield (bushels/acre)	Test Weight (lbs/bushel)	1000 seed weight (grams)
Untreated	37.3	50.6	31.8
Propiconazole (Tilt) 4 fl oz	50.8	53.1	33.7
Propiconazole + Azoxystrobin + Benzovindiflupyr (Trivapro) 13.7 fl oz	65.9	57.6	39.0

21-04. 2020-21 SRWW Variety Comparison with Selected HRWWs Study @ Greenville, TX (Northeast Texas Agricultural Research

Variety†	Head Type	Yield‡	Test Weight	Heading	Stripe Rust Flag Leaf Infection	Stripe Rust Flag Leaf Infection	Plant Height	Forage
		bu/ac	lb/bu	Julian	% 4/9/2021	% 4/20/2021	inches	1-3 <sup>1</sup>
Pioneer 25R74	Awned	77.1 a	54.3 ab	103.3 def	0.0 a	0.0 a	32.5 n-s	1.8 h-k
Blackland 2154	Awned	77.0 a	53.6 a-d	110.0 nop	0.0 a	0.0 a	33.8 j-o	2.1 e-i
TX17D2337	Awned	73.4 ab	54.0 abc	99.2 ab	0.0 a	5.0 abc	33.7 j-p	2.7 abc
Dyna-Gro 9811	Awned	73.2 ab	53.3 a-e	100.7 bc	0.0 a	0.5 a	34.7 g-l	2.5 bcd
USG 3895	Awned	72.8 ab	51.3 e-i	103.3 def	0.0 a	0.5 a	32.8 m-r	2.4 cde
Dyna-Gro 9120	Awned	70.4 abc	54.7 a	105.7 hij	0.0 a	0.0 a	31.8 q-u	2.0 f-j
Pioneer 25R40	Awned	68.9 bcd	52.4 b-f	110.3 op	0.0 a	0.0 a	31.8 q-u	1.8 h-k
Blackland 1889	Awnless	68.2 b-e	53.4 a-e	108.3 mno	0.0 a	0.0 a	35.0 f-k	1.9 g-k
Go Wheat GW 6000	Awned	67.4 b-f	53.0 a-e	103.0 de	0.0 a	0.0 a	33.2 l-q	2.3 c-f
USG 3536	Awned	66.8 b-f	53.3 a-e	108.2 lmn	0.0 a	0.0 a	37.7 bc	1.8 i-l
Blackland 1828	Awned	66.5 b-f	52.2 b-f	105.5 ghi	1.3 ab	5.7 abc	34.0 i-o	1.9 g-k
Dyna-Gro 9002	Awned	66.4 b-f	53.1 a-e	104.8 e-h	0.0 a	4.8 abc	34.3 h-m	2.2 d-h
USG 3329	Awned	63.9 c-g	50.5 f-j	105.2 fgh	0.0 a	0.0 a	35.7 d-i	1.6 kl
Blackland 2034	Awned	63.2 d-h	51.6 d-h	105.8 hij	0.0 a	4.5 abc	32.8 m-r	2.0 f-j
USG 3539	Awned	63.1 d-h	54.2 ab	109.0 m-p	0.0 a	0.0 a	33.3 k-q	1.9 g-k
USG 3472	Awned	62.8 d-h	51.3 e-j	107.3 i-m	0.0 a	1.0 a	33.2 l-q	1.7 jkl
AgriPro SY Richie	Awnless	62.4 d-i	52.0 c-f	98.8 ab	0.0 a	0.0 a	31.8 q-u	2.3 d-g
USG 3562	Awned	61.9 d-j	52.3 b-f	111.0 p	0.0 a	0.0 a	36.3 c-g	1.8 h-k
Dyna-Gro 9172	Awned	61.5 e-k	50.7 f-j	106.2 h-l	0.0 a	1.0 a	33.0 l-r	1.8 i-l
Blackland 1812	Awned	60.7 f-k	52.0 c-g	105.5 ghi	0.0 a	0.0 a	35.8 d-h	1.8 i-l
Blackland 2036	Awned	60.3 f-l	51.5 d-h	109.0 m-p	0.0 a	2.3 ab	33.8 j-o	1.4 l
AgriPro SY Viper	Awnless	60.2 f-l	53.0 a-e	102.7 cd	0.0 a	0.0 a	36.8 cde	1.8 h-k
AGS 2038	Awned	59.1 g-l	54.1 abc	109.2 m-p	0.0 a	1.5 a	40.5 a	2.5 bcd
Go Wheat GW 2032	Awned	59.0 g-l	53.3 a-e	99.5 ab	10.0 d	21.7 e	33.0 l-r	2.9 a
Monsanto WB-2606	Awned	58.2 g-m	53.5 a-d	109.3 m-p	0.0 a	0.0 a	33.0 l-r	1.8 i-l
AGS 2055	Awned	56.4 h-m	51.3 e-j	104.2 d-h	5.0 bc	23.3 e	34.2 h-n	2.3 d-g
TAM 114 (HRWW)	Awned	55.4 i-m	55.0 a	107.7 j-m	8.8 cd	9.7 cd	35.3 e-j	2.3 c-f
TX16DDH579	Awned	55.1 j-m	54.1 abc	105.2 fgh	2.5 ab	9.8 cd	36.7 c-f	2.5 bcd
Dyna-Gro Blanton	Awned	54.3 klm	52.5 b-f	99.0 ab	7.0 cd	36.7 g	32.3 o-s	2.9 a
TX17D2452	Awned	53.1 lmn	52.3 b-f	111.0 p	0.0 a	4.3 abc	38.8 ab	2.3 d-g
AgriPro SY 547	Awnless	51.7 mn	51.8 d-h	105.8 hij	0.0 a	8.0 bcd	37.3 bcd	1.7 jkl
USG 3118	Tip-Awned	51.7 mn	50.5 f-j	98.3 a	2.5 ab	25.0 ef	30.5 tu	2.8 ab
Pioneer 25R61	Awned	46.6 no	49.8 g-k	108.0 k-n	10.8 de	38.3 gh	34.0 i-o	1.8 i-l
TAM 205 (HRWW)	Awned	46.5 no	54.4 ab	105.5 ghi	1.3 ab	8.2 bcd	36.7 c-f	2.3 d-g
USG 3230	Awned	40.5 op	49.3 i-l	103.5 d-g	0.0 a	14.2 d	33.0 l-r	1.6 kl
USG 3640	Awned	39.6 opq	49.1 jkl	100.2 ab	7.5 cd	43.3 h	33.8 j-o	2.8 ab
Monsanto WB-4699 (HRWW)	Awned	35.4 pqr	49.6 h-l	106.0 h-k	5.0 bc	30.0 f	30.2 u	2.0 f-j
Monsanto WB-4303 (HRWW)	Awned	33.1 qr	47.4 l	100.3 ab	5.0 bc	50.0 i	30.8 stu	2.2 d-h
Monsanto WB-4418 (HRWW)	Awned	32.2 r	50.3 f-k	100.5 b	15.0 e	50.0 i	32.3 o-s	2.3 d-g
AGS 2024	Awned	31.8 r	48.3 kl	104.2 d-h	22.5 f	65.0 j	31.3 r-u	2.7 abc
Croplan CP7017AX (HRWW)	Awned	31.6 r	50.3 f-k	104.7 d-h	0.0 a	23.3 e	32.0 p-t	2.2 d-h
	LSD (P = .05)	7.22	2.20	2.12	4.25	6.42	1.67	0.36
	CV (%)	11.01	3.71	1.77	119.76	47.41	4.31	14.79
	GRAND MEAN	57.54	52.06	105.0	2.54	11.89	34.00	2.12

†Ranked according to Yield

‡Yield Adjusted to 13% Standard Moisture

Date Planted: November 13, 2020

Date Harvested: June 23, 2021

<sup>1</sup>Forage Scale: 1 – less upright growth; thin leaf blade, 2 – moderate upright growth & leaf blade, 3 – excellent upright growth, wide leaf blade

# Summer Crops Field Tour Greenville, TX

Thursday July 22, 2021 9:00 am

Greenville University Farm

2157 FM 1569, Greenville, TX. 75401



-Meet at New Equipment Building 8:45 am

- Annual Ryegrass Control/Cover Crop Options 9:00 am

- Double Crop/Cover Crop Cowpeas and Soybeans 9:45

- Other items to view Soybean Weed Control, Cotton Varieties, Corn Fertility.

1 CCA and 1 general pesticide applicator CEU

For more information contact David Drake 903-468-3295 or [drdrake@ag.tamu.edu](mailto:drdrake@ag.tamu.edu)

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# Calendar

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Summer Crops Field Tour—Greenville Farm July 22, 2021

Landowner 101—Principles of Sustainable Agriculture—Collin Co. July 23, 2021

CEU Program-New Boston July 27, 2021

Landowner 101-Principles of Livestock Management-Collin Co Aug. 27, 2021

Texas Plant Protection Conference-Bryan December 7 & 8, 2021

For information on COVID-19

<https://agrilifeextension.tamu.edu/coronavirus/>

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