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TEXAS A&M AGRILIFE EXTENSION

Inside this issue:

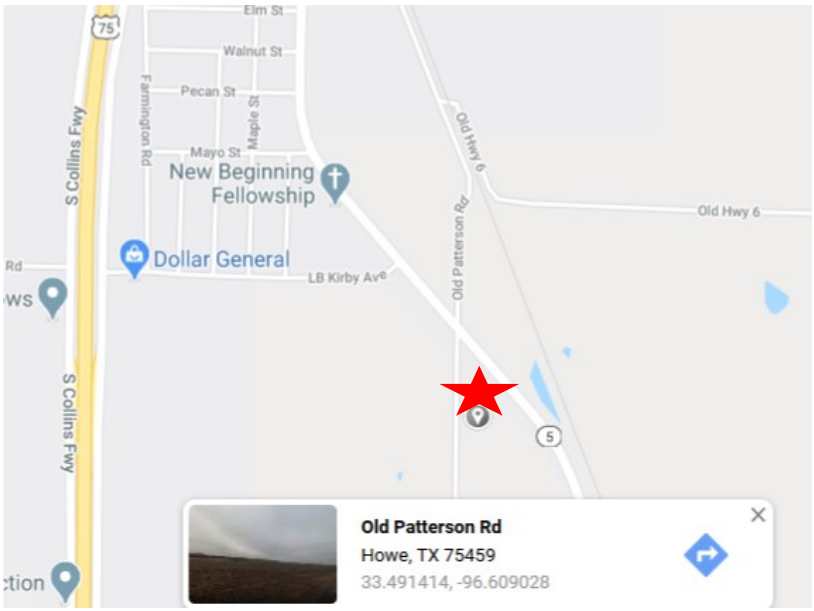
David Drake
Extension—IPM
drdrake@ag.tamu.edu
903-468-3295

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

Fungicide Profitability Study **1-45**	Fungicide Timing Study ***Dyna-Gro TV 8861*** ***USG 3120*** **1-6**
SRWW Variety Comparison with Selected HRWWs Study **1-45**	

| →→→→→ planting direction

Site Planted *November 4, 2019* **Site Harvested *TBD***

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

Planting Note: All studies received Nachurs Triple Option 4-13-17-1S at planting (~ 2.3 lbs. N/~ 7.3 lbs. P_2O_5/~9.6 lbs. K_2O/~0.6 lbs. S)
(5 gal/Ac Nachurs + 5 gal/Ac H_20 = 10 gal/Ac) – 30 psi & 16 oriface

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 = ~ 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----------→

20-02. 2019-20 Wheat @ Howe, TX (Norman Farms, Cooperator)
SRWW Variety Comparison with Selected HRWWs Study

37	38	34	28	40	11	45	33	8	12	26	2	20	42	19	39	15	6	44	24	32	35	5	31	23	4	1	14	9	43	13
601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631
18	4	9	15	3	32	19	10	38	29	43	42	21	13	33	22	17	41	7	12	1	44	34	25	2	45	35	37	39	28	36
501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531
29	11	13	20	14	24	26	5	18	40	41	25	22	1	27	33	45	4	6	32	37	39	43	36	28	16	30	7	21	42	35
401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431
7	23	19	31	29	32	41	28	43	37	15	36	18	17	21	45	27	24	1	26	5	40	30	12	38	3	14	39	8	6	22
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331
30	24	15	10	20	21	17	33	3	16	29	5	36	6	38	39	42	28	34	43	22	9	44	26	37	23	40	27	2	13	45
201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131

18	27	3	7	29	17	21	30	22	41	25	10	36	16
632	633	634	635	636	637	638	639	640	641	642	643	644	645
8	11	40	16	6	14	5	31	23	26	20	30	24	27
532	533	534	535	536	537	538	539	540	541	542	543	544	545
10	19	23	8	15	34	44	3	31	17	38	9	2	12
432	433	434	435	436	437	438	439	440	441	442	443	444	445
42	4	20	44	16	2	34	9	13	35	10	25	33	11
332	333	334	335	336	337	338	339	340	341	342	343	344	345
12	41	1	18	8	25	31	32	35	11	19	7	14	4
232	233	234	235	236	237	238	239	240	241	242	243	244	245
32	33	34	35	36	37	38	39	40	41	42	43	44	45
132	133	134	135	136	137	138	139	140	141	142	143	144	145

NOTE: plots 32-45 of each rep continue to the right of plots 31 of each rep

BORDERS: Milburn (2 on each side)

Planting Date November 4, 2019

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

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

VARIETIES (90 lbs/Ac)

1. TX15D9579
2. TX15D9597
3. TX16DDH579
4. Blackland 1812
5. Blackland 1825
6. Blackland 1828
7. Blackland 1853
8. Blackland 1889
9. Pioneer 25R40
10. Pioneer 25R61
11. Pioneer 25R74
12. AgriPro SY Viper
13. AgriPro SY 547
14. Dyna-Gro 9002
15. Dyna-Gro 9012
16. Dyna-Gro 9522
17. Dyna-Gro 9701
18. Dyna-Gro 9811
19. USG 3118
20. USG 3230
21. USG 3228
22. USG 3329
23. USG 3536
24. USG 3539
25. USG 3640
26. USG 3895
27. Monsanto WB-2418
28. Monsanto WB-2606
29. AGS 2024
30. AGS 2038
31. AGS 2055
32. AGS 3040
33. Go Wheat GW 2032
34. Go Wheat GW 6000 (TX-EL2)
35. #Fury (Progeny)
36. #Turbo (Progeny)
37. Monsanto WB-4269 *(HRWW)*
38. Monsanto WB-4303 *(HRWW)*
39. Monsanto WB-4418 *(HRWW)*
40. Monsanto WB-4699 *(HRWW)*
41. Monsanto WB-Cedar *(HRWW)*
42. TAM 205 *(HRWW)*
43. Syngenta Grit *(HRWW)*
44. Syngenta Monument *(HRWW)*
45. Gallagher *(HRWW)*

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

BORDERS: Milburn (2 on each side) **Milburn strip between Sprayed & Unsprayed Blocks** **Seeding Rate: 90 lbs/Ac (75 gms/pkt)** **Planting Date November 4, 2019**

VARIETIES - Sprayed

1. AGS 2038
2. AGS 2055
3. Go Wheat GW 2032
4. Go Wheat GW 6000
5. Dyna-Gro 9002
6. Dyna-Gro 9012
7. Dyna-Gro 9522
8. Dyna-Gro 9701
9. Dyna-Gro 9811
10. Dyna-Gro TV 8861
11. Pioneer 25R40
12. Syngenta Coker 9553
13. USG 3329
14. USG 3536
15. USG 3895
16. Syngenta Monument *(HRWW)*
17. Monsanto WB-Cedar *(HRWW)*
18. Monsanto WB-4269 *(HRWW)*
19. Monsanto WB-4303 *(HRWW)*
20. TAM 114 *(HRWW)*
21. TAM 205 *(HRWW)*
22. Gallagher *(HRWW)*

VARIETIES - Unsprayed

23. AGS 2038
24. AGS 2055
25. Go Wheat GW 2032
26. Go Wheat GW 6000
27. Dyna-Gro 9002
28. Dyna-Gro 9012
29. Dyna-Gro 9522
30. Dyna-Gro 9701
31. Dyna-Gro 9811
32. Dyna-Gro TV 8861
33. Pioneer 25R40
34. Syngenta Coker 9553
35. USG 3329
36. USG 3536
37. USG 3895
38. Syngenta Monument *(HRWW)*
39. Monsanto WB-Cedar *(HRWW)*
40. Monsanto WB-4269 *(HRWW)*
41. Monsanto WB-4303 *(HRWW)*
42. TAM 114 *(HRWW)*
43. TAM 205 *(HRWW)*
44. Gallagher *(HRWW)*

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

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

April 10, 2020 applied TebuStar @ 4 fl.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:

101 – septoria lower, GS 9-10
102 – septoria lower, GS 10
103 – septoria lower, GS 9-10
104 – septoria lower, GS 9
105 – septoria lower, GS 9-10
106 – septoria lower, GS 9
107 – septoria lower, GS 9-10
108 – flecking, septoria lower, GS 10
109 – septoria lower, GS 9-10
110 – septoria lower, GS 9-10
111 – leaf rust & septoria lower, GS10-10.5
112 – septoria lower, GS 9-10
113 – septoria lower, GS 9-10
114 – septoria lower, GS9-10
115 – septoria lower, GS 9-10
116 – septoria lower, GS 10-10.5
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
120 – septoria lower, GS 9-10
121 – leaf rust lower, GS 9-10
122 – septoria lower, GS 9-10

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)

Texas A&M AgriLife Extension
Texas A&M University—Commerce
College of Agricultural Sciences and Natural Resources
PO Box 3011
Commerce, TX 75429-3011

Phone: 903-468-3295
Email: drdrake@ag.tamu.edu

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