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General Area Crop Progress

Weather has been very hot and dry. Some of the later planted corn and soybeans are suffering from the high temperatures and it is affecting grain fill and pod set. Grain sorghum is in bloom and spotty areas of sorghum midge and rice stink bugs can be found in fields. Sorghum aphid numbers have been low. The Extension insect management guide for sorghum can be found at <https://extensionentomology.tamu.edu/resources/management-guides/sorghum/>

The Cotton is growing well, given the warm conditions; and insect numbers have been relatively low. The weekly crop management audio updates can be found at <https://www.texasinsects.org/agriculture-audio-updates-home.html>

Looking forward to this fall, enclosed is the first release of **Wheat Trial Data**.



Figure 1. Hessian Fly infested and lodged wheat, left; Hessian fly resistant wheat variety with low lodging, right Howe, TX June 2022.

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When establishing a wheat crop this fall a major consideration should be Hessian fly. The flies were wide spread this year and caused significant losses, see figure 1, above for examples. Hessian flies are currently in the pupa stage in the stubble and will emerge with fall rains. Several management practices should be considered for seeding a 2023 wheat crop.

- Crop rotation, avoiding wheat after wheat.
- Tillage to bury straw and fly pupa.
- Select Hessian fly resistant varieties
- Insecticide seed treatments
- Later planting dates.

Ratings of Hessian fly stand and lodging for 3 locations in central TX are provided on page 2 to aid in resistant variety selection. Ratings are especially important for earlier planted wheat used for grazing. If grazing only, consider planting oats or annual ryegrass options as they are not a host of Hessian Fly.

Hessian Fly Resistance Ratings of Soft Red Winter Wheat Varieties for Stand and Lodging at three central Texas Locations in 2022.
 1=Best 9= Worst Ratings by Russell Sutton and Amy Braley

Variety	Hessian Fly 3 loca- tion ave(0-9)	Hessian Fly Ellis Co. (0-9)	Hessian Fly Hill Co. (0-9)	Hessian Fly McGregor (0-9)
Dyna-Gro 9002	1.22	1.33	1	1.33
AR09137UC-17-2	1.22	1	1.33	1.33
Blackland 2167 EXP	1.44	2.33	0.67	1.33
Dyna-Gro 9393	1.56	1.67	1	2
AGS 2055	1.56	1.67	1	2
GA 111055-19LE12	1.56	1.33	1.33	2
LA16020LDH-22 (AGS 3022)	1.67	1.67	1.67	1.67
Delta Grow 1800	1.78	1.33	1.67	2.33
Dyna-Gro 9120	1.78	1.67	1.67	2
GA 151313-LDH224-19E38	1.78	1	1.33	3
GANC 12642-19LE16F	1.78	1.33	1.67	2.33
FL15105-LDH039	1.78	1.33	1.67	2.33
LA15203-LDH112	1.89	1.33	1.33	3
USG 3472	2	2	1.67	2.33
Dyna-Gro 9701	2.11	2	2	2.33
Dyna-Gro 9811	2.11	2.33	1.33	2.67
TX17D2337	2.11	2	1.33	3
Dyna-Gro 9172	2.33	2.33	1.33	3.33
PROGENY #BUSTER	2.33	3	1.67	2.33
Blackland 2034	2.44	2.33	1.67	3.33
GA 11052-19LE15	2.44	3	1.67	2.67
Delta Grow 3500	2.67	2.67	2	3.33
TX16DDH579	2.67	2.33	2	3.67
Blackland 1812	2.78	4	2	2.33
Go Wheat 2032	2.78	3.33	2.67	2.33
FL16045LDH-25	2.89	2	3.33	3.33
LA15203-LDH274	3	3.67	2	3.33
WB2606	3.22	4.33	2.67	2.67
Delta Grow 1200	3.56	6.67	2.33	1.67
Dyna-Gro WX20738	4	5.67	2.67	3.67
Go Wheat 6000	4.11	5.33	3	4
TX18D3212	4.44	4.67	3.67	5
PROGENY #CHAD	4.89	3.33	4.33	7
AR11051-15-3	4.89	8.33	2.67	3.67
Go Wheat LA754	5.11	6.33	3.67	5.33
FL16009LDH-16	5.44	4.67	4.67	7
AgriMAXX 514	5.67	7.33	4	5.67
PROGENY 19-12	5.89	8.67	5.33	3.67
AgriMAXX 492	6.11	6.67	5.67	6
Blackland 1828	6.11	8.33	5.67	4.33
USG 3329	6.11	8	5.67	4.67
LA12275LDH-56	6.11	7.33	4.67	6.33
LA13154D-WN1	6.22	6.33	5.67	6.67
GA 121012-19LE8	6.44	6.67	6	6.67
USG 3895	6.89	7.67	6.33	6.67
GA 151254-LDH071-19E32	6.89	7	6	7.67
USG 3352	7.44	9	7.33	6
AgriMAXX 503	7.67	8.67	7.33	7
CV	29.11378	28.40015	23.92698	32.18466
GRAND MEAN	3.60185	4.10417	2.98611	3.71528
LSD	0.81578	1.58099	0.96912	1.6219

2022 Soft Red Winter Wheat Blackland 4 location average variety trial results. Texas A&M AgriLife Research. There is no statistical difference between the top 2 trial entries (highlighted in green).

name	4 loc yield	2 LOC TW	3 loc HF	Yield hill	Yield McGregor	Yield Cooke	Yield Greenville
LA16020LDH-22 (AGS 3022)	73	60.1	1.67	72.9	68	81.6	69.7
TX17D2337	69.6	59.1	2.11	58.1	64.4	76.9	78.9
Dyna-Gro 9393	68	58.4	1.56	63.7	54.1	78.6	75.6
TX16DDH579	67.4	59.6	2.67	60.4	65	75.1	68.9
AR09137UC-17-2	66.4	58.1	1.22	63.9	55.5	75.5	70.5
Blackland 2167 EXP	66.3	58.5	1.44	63.2	53.5	72.6	75.8
Dyna-Gro 9120	65.8	58.9	1.78	57.1	53.9	78.2	73.8
GA 151313-LDH224-19E38	64.8	59.1	1.78	61.4	50.6	86.2	61.1
Dyna-Gro 9002	64.5	58.4	1.22	59.2	51.2	76	71.4
GA 111055-19LE12	64.2	58.3	1.56	51.6	53.8	80.3	71.1
Delta Grow 1200	64.1	58.9	3.56	49.8	49.2	86.6	70.6
Dyna-Gro 9172	64.1	57.9	2.33	61.8	53.2	74.5	67
USG 3472	64.1	58.6	2	58.4	52.6	76.1	69.3
PROGENY #BUSTER	63	59.1	2.33	55.2	53.4	72.7	70.8
Go Wheat 6000	62.9	58.9	4.11	63.9	53.5	74.6	59.6
Blackland 2034	62.6	58.4	2.44	62.3	47.3	69.6	71.2
GA 11052-19LE15	62.5	59.5	2.44	54	50.2	72.8	73.1
GANC 12642-19LE16F	62.5	59	1.78	48.6	47.4	85.3	68.6
AGS 2055	62.4	58.1	1.56	62	56.5	68.9	62.1
FL16045LDH-25	61.9	59.9	2.89	50.2	54.9	79.3	63
Delta Grow 3500	61.2	59.3	2.67	60.3	62.7	63.1	58.7
WB2606	60.8	58.6	3.22	50.2	47.9	81.1	63.9
TX18D3212	60.7	57.8	4.44	49.7	52.3	71.7	69
Go Wheat 2032	60.5	59.4	2.78	59	57.8	71.6	53.6
Dyna-Gro 9811	60.4	58.1	2.11	51.6	49.3	71.6	68.9
Delta Grow 1800	60.1	59.5	1.78	52.4	48.4	74.4	65.1
Dyna-Gro WX20738	60	58.2	4	54.4	48.2	74.6	62.8
Blackland 1812	59.5	59	2.78	51.2	49.8	70.2	66.7
Dyna-Gro 9701	58.9	59	2.11	57.7	45.8	70.6	61.6
AgriMAXX 492	58.3	49.2	6.11	37.9	39.3	86.1	70
Go Wheat LA754	56.7	58.1	5.11	45.5	44.4	75.6	61.2
USG 3329	56.2	58.3	6.11	35.9	35.9	86.9	66.2
USG 3895	56.1	58.3	6.89	37.1	31.9	83.5	71.7
PROGENY 19-12	55.9	57.9	5.89	40.2	40.6	68.9	73.7
AgriMAXX 514	55.8	58	5.67	41.6	40.6	69.2	71.7
LA15203-LDH112	55.6	58.7	1.89	54	33.7	71.2	63.4
PROGENY #CHAD	55.4	58	4.89	43.2	39.3	66.4	72.6
Blackland 1828	54.8	58.1	6.11	36.5	39.6	71.4	71.5
AR11051-15-3	54.5	58.8	4.89	46.5	39.5	71.6	60.2
LA15203-LDH274	54.1	59.3	3	45.7	45.1	77.5	47.9
FL15105-LDH039	53.5	59.7	1.78	55	51.9	72.9	34.1
LA12275LDH-56	53.3	59.8	6.11	40.3	32.5	76.8	63.3
LA13154D-WN1	52.9	58.7	6.22	41.5	41.7	74	54.4
GA 121012-19LE8	50.5	59.3	6.44	38.4	42.5	60.5	60.6
AgriMAXX 503	49.3	58.6	7.67	27.7	21.1	81.2	67.1
GA 151254-LDH071-19E32	49.2	58.8	6.89	32.9	31.6	69.2	63.1
FL16009LDH-16	47.2	57.9	5.44	36.6	38.6	71.5	42
USG 3352	45.3	58.6	7.44	27.8	28.6	70	54.9
CV	10.89624	6.24635	29.11378	9.48088	10.34554	12.73594	8.54517
GRAND MEAN	59.50247	58.52708	3.60185	50.60208	47.26597	74.89389	65.24792
LSD	4.36453	3.48895	0.81578	6.50729	6.63262	12.93918	7.56339

2021-22 SRWW Variety Comparison with Selected HRWWs Study

2022 Spring Forage Ratings.

Varieties with a higher rating score have a more upright growth and earlier forage production and grazing production potential.

Table 1 MEAN Comparison Table by Location		
Variety†	Forage – Howe ¹	Forage – Greenville ¹
Assessment Scale: 1-3 ²	March 14, 2022	March 4, 2022
AGS 2024	3.0 a	2.1 c-f
AGS 2038	3.0 a	2.2 b-e
Go Wheat GW 2032	3.0 a	2.6 ab
TX16DDH579	3.0 a	2.4 abc
USG 3640	3.0 a	2.7 a
Go Wheat GW 6000	2.9 ab	2.3 a-d
TX18D3212	2.8 abc	2.2 b-e
Monsanto WB-4523 (HRWW)	2.8 abc	2.4 abc
TAM 304 (HRWW)	2.8 bc	2.6 ab
USG 3118	2.7 cd	2.4 abc
USG 3783	2.5 de	2.3 a-d
TAM 114 (HRWW)	2.5 de	2.3 a-d
Blackland 2174	2.4 ef	2.3 a-e
Dyna-Gro 9701	2.4 ef	1.9 d-h
Dyna-Gro WX20738	2.4 ef	2.3 a-d
AGS 2055	2.3 efg	2.0 c-g
AgriPro SY 547	2.3 efg	1.9 d-h
Blackland 2167	2.3 efg	2.1 c-f
Dyna-Gro 9393	2.3 efg	2.3 a-e
Dyna-Gro 9811	2.3 efg	2.0 c-g
Monsanto WB-4418 (HRWW)	2.3 fgh	2.1 c-f
Blackland 2175	2.2 ghi	2.0 c-g
Pioneer 25R74	2.2 ghi	1.8 e-h
USG 3895	2.2 ghi	1.7 f-i
AgriMaXX 492	2.1 hij	1.5 hi
Blackland 2166	2.1 hij	2.0 c-g
Dyna-Gro 9002	2.1 hij	2.2 b-e
Dyna-Gro 9120	2.0 ijk	1.9 d-h
Dyna-Gro 9172	2.0 ijk	1.8 e-h
LANC 11558-33	2.0 ijk	1.7 f-i
USG 3472	2.0 ijk	2.0 c-g
USG 3536	2.0 ijk	1.8 e-h
AgriPro SY Richie	1.9 jk	1.3 i
TX17D2337	1.8 kl	1.8 e-h
Monsanto WB-4699 (HRWW)	1.8 kl	2.3 a-d
Blackland 2034	1.7 lm	1.7 f-i
Pioneer 25R40	1.7 lm	1.5 hi
USG 3329	1.7 lm	2.3 a-e
AgriPro SY 747	1.6 m	1.6 ghi
AgriPro SY Viper	1.6 m	1.7 f-i
Blackland 2184	1.6 m	2.1 c-f
USG 3352	1.6 m	2.1 c-f
TAM 205 (HRWW)	1.5 m	2.3 a-e
LSD (P = .05)	0.22	0.47
CV (%)	8.56	20.16
GRAND MEAN	2.24	2.05

†Ranked according to Howe Forage assessment

¹Date Planted: Howe on October 30, 2021

Greenville on November 17, 2021

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



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Calendar

Hunt County Pesticide CEU Training July 6, 2022 - POSTPONED

Extension Drought Management and Economics Virtual Seminar July 6, 2022

<https://agrilifenorthregionag.libsyn.com/>

Collin Co. Landowner 101: Principles of Sustainable Ag.—July 15, 2022

Greenville University Farm Summer Crops Field Day July 20, 2022

Collin Co. Landowner 101: Principles of Livestock Management—August 19, 2022

Texas Plant Protection Conference—Bryan Dec. 6 & 7, 2022

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