



# Pest Management News

## Runnels-Tom Green Counties



Texas A&M AgriLife Extension

Volume XXVIII No. 11

### Runnels—Tom Green Pest Management Steering Committee

Rodney Ripple, Chairmen  
 Bruce Gully  
 Jerry Multer  
 Dennis Minzenmayer  
 Glen Kellermeier  
 Howard Pruser  
 Brent Niehues

### Tom Green County Field Crop Committee

Glen Kellermeier, Chairmen  
 Cole Mikulik  
 Harvey Kalina  
 Grant Matschek  
 Jeffery Schwartz  
 Gene Gully  
 Allen Gully  
 Bruce Gully

### Ag & Natural Resources Committee

Dale Duggan, Chairmen  
 Paul Minzenmayer  
 Sally Buxkemper  
 Anthony Lange  
 Chester McCown  
 Randall Conner  
 Cecil Kalina  
 Cody Halfmann  
 Neal Niehues  
 John Lange  
 Chad Halfmann

### Inside this Issue

Cotton 1

Fall Armyworms 1

Small Grains 2

Upcoming Events 2

Test Trial Results—3 & 4

## General Situation

While the temperatures have moderated over the last few days, our soil moisture is severely depleted. That, combined with the hot temperatures we had in August and early September has caused our cotton to quickly mature. Many dry-land fields have cracked or open bolls and will be ready for defoliation soon. Watch for Cotton Harvest Aid information in next week's newsletter.

*Josh Blanek, CEA Ag/NR  
 Tom Green County*

## Cotton

Insect pressure has been quiet in cotton. Do keep an eye out for Cotton Aphids. Most fields have only had light infestations and natural predators have controlled those, however there have been a few isolated areas needing treatment. The last 7 days have averaged 26.8 Heat Units a day ranging from 19 to 28 HU/day. The 7 day forecast shows an average of 21.8 HU accumulations a day.



## Total Heat Unit (HU) Accumulations

Planting Date	Total HU Accumulation as of September 13, 2015	Long Term Average
May 15, 2015	2,518	2,353
May 25, 2015	2,319	2,228
June 5, 2015	2,241	2,067
June 15, 2015	2,023	1,889

## Fall Army Worms



Dr. Allen Knutson, Extension Entomologist, warns that if we break this dry weather with rain in the late summer and early fall, we could have an outbreak of Fall Armyworms. If our El Nino rainfall sets in, we need to monitor closely the small grain and hay fields.





## Small Grains

Only a small amount of small grain has been planted in hopes of getting some fall grazing. Most of you planting for grain will plant from Mid-October through first of December. As you are selecting your seed remember to use multiple varieties and not just any one helping deter any disease or insect resistance issues.

Applying fertilizer with the seed has proven to be a very efficient practice. All of the required phosphorus and up to 16 pounds of nitrogen per acre can be placed with the seed at planting. This practice increases early growth, root development, tillering, winter hardiness and resistance to diseases and insects. If Potassium is being applied with the seed, be careful not to damage the young seedling by applying too much fertilizer (actual Nitrogen and Potassium combined should be below 30 pounds per acre).

Split fertilizer applications are preferred. Incorporate one-third to one-half of the nitrogen and all of the phosphorus into the soil before or at seeding time. Apply the remaining nitrogen just prior to jointing. Field demonstrations have shown a split application of nitrogen has a yield advantage over pre-plant applications. If all the nitrogen is applied in the fall, excessive growth of ungrazed forage may occur and chances of freeze damage are increased. Nitrate leaching or denitrification can also occur reducing the amount of nitrogen available to the crop in the Spring.

I have attached Dr. David Drake's results from the Melvin wheat variety demonstration trial planted with David Holubec and the Millersview Wheat Variety Demonstration trial; or for more detailed statewide results go to: <http://varietytesting.tamu.edu/wheat/docs/2015/FINAL%20WHT%20PUB.pdf>

---

## Upcoming Events:

**Turnrow Meetings** – Wall Turnrow meetings have come to an end for the 2015 Cotton season. I want to Thank all the speakers who took time to join us and present very valuable information, Mina Abbott and Wall Coop for providing the facility, and all the Banks for providing donuts. I also want to Thank all the growers for your attendance and participation.

### **Cotton Tours**

**Runnels County Cotton Turnrow Meeting** will be held **Wednesday, September 23<sup>rd</sup> at the Paul Minzenmayer farm**. The Minzenmayer farm is located at County Road 303 near Poe's Corner (Intersection of FM 2111, FM 384 and State Highway 153, outside of Winters. Following the tour of varieties at the farm, the program will move to the Winters Community Center, 410 Novice Road. Growers will receive TDA Law and Reg's updates and small grain updates. Registration for this event is free; for more information or to RSVP call the Runnels County Extension Office at 325-365-5042 by September 21<sup>st</sup>. Three (3) TDA CEUs (1-IPM, 1 L&R, 1 Gen) will be offered.

**Tom Green County Cotton Field Tour** will be held **Monday, October 5<sup>th</sup> beginning at 9:00 am at the John and Doug Wilde Farm**. Registration and Tour will begin at the variety plot located off Old Eola Road. The Field Tour includes an irrigated cotton variety test and harvest-aid trial. The tour will conclude at the Tom Green County 4-H Building with TDA Laws & Reg's update, drift liability concerns, Cotton Rootrot updates, Boll Weevil Eradication Update and SRPCGA updates. 3 TDA continuing education units (1 L&R, 1 IPM, 1 General) will be given to those attending the entire tour. Registration and lunch is free for those who RSVP by September 28th. To RSVP or for more information, contact the AgriLife Extension office in Tom Green County at 325-659-6523.

---

# Pest Management News Runnels-Tom Green Counties

**Texas A&M Agrilife Extension - McCulloch County Wheat Variety Demonstration Trial 2015**

Dr. David Drake & Trevor Dickschat

Planted: Nov. 4, 2014 Melvin, TX Seeding rate: 50 lb/ac No-til Harvested: June 4, 2015

Cooperator: **David Holubec** Fertilizer: Preplant 80 lbs 11-52-0 & 60 lbs 32-0-0 / Top Dress 100 lbs 29-0-0-35

Fungicide: Generic Propiconazole (first application on 2/10/15 and second application 3/15/15)

Season notes: Soil Moisture excellent in Fall and average to short in Spring, heavy Stripe Rust pressure

Variety	Grain yield (bu/ac)		Test wt (lbs/bu)		Grain yield (bu/ac)		Grain yield (bu/ac)	
	3-year (2012-2015) <sup>1</sup>	2-year (2013-2015) <sup>1</sup>	2015	2015	2013	2012	2013	2012
Greer	55.8	53.8	62.3	57.4	45.3	59.6	45.3	59.6
Iba	54.8	57.1	66.7	60.0	47.6	50.1	47.6	50.1
Cedar	53.7	55.0	71.3	59.3	38.8	51	38.8	51
Gallagher	53.4	56.0	68.3	59.7	43.6	48.3	43.6	48.3
TAM 113	52.2	52.5	52.0	59.1	52.9	51.7	52.9	51.7
Coronado	52.0	47.0	59.1	59.7	34.8	62.1	34.8	62.1
TAM 112	50.1	49.9	54.4	59.9	45.4	50.4	45.4	50.4
Duster	49.5	51.7	59.4	59.1	44.1	45	44.1	45
Grainfield		59.1	68.6	58.9	49.6	n.t.	49.6	n.t.
WB 4458		54.1	65.9	60.5	42.3	n.t.	42.3	n.t.
TAM 111		53.3	62.2	59.5	44.5	n.t.	44.5	n.t.
CJ		51.2	61.4	59.3	40.9	n.t.	40.9	n.t.
Red Hawk		50.1	65.8	59.1	34.4	n.t.	34.4	n.t.
TAM 114			72.5	59.6		n.t.		n.t.
TAM 204			66.5	57.8		n.t.		n.t.
Razor			53.8	60.8		n.t.		n.t.
Winterhawk		53.7 (2012&2015)	61.3	61.5		46		46
Ruby Lee		50.8 (2012-2013)			41.8	59.7	41.8	59.7
TAM 203		50.1 (2012-2013)			38.6	61.7	38.6	61.7
Doans		48.8 (2012-2013)			40.9	56.8	40.9	56.8
Garrison		46.4 (2012-2013)			51.5	41.3	51.5	41.3
Double Stop CL+		47.5 (2013)			47.5		47.5	
Average	52.7	53.3	63.0	59.5	43.6	52.6	43.6	52.6

Non-Replicated Trial High & Low Values

Multi-year Statistical Analysis <sup>3</sup>	
P>(f) <sup>6</sup>	N.S.
CV %	11.1

Grain yields are based on demonstration strips 9.5 x 125 ft, test weights were measured on a representative sample

<sup>1</sup>2014 excluded due to a late freeze

<sup>2</sup>n.t. = variety not tested that year

<sup>3</sup>N.S. = Not Significant

# Pest Management News

## Runnels-Tom Green Counties

**Texas A&M Agrilife Extension - Concho Co. Wheat Variety Demonstration and Fungicide Application Trial 2015**  
 Planted: Dec. 3, 2014 Millersview, TX Seeding rate: 60 lbs/ac Fertilizer: Dr. David Drake & Brady Evans  
 Herbicide: Ally, Wildcard, MCPA Ester Fungicide: Applied on April 7, 2015 at full flag leaf emergence; 4 fl oz Tilt and 1.1 fl oz of Quilt with 10 gpa water Harvested: June 5, 2015  
 Season: Excellent Winter and Spring Moisture, heavy stripe rust pressure, some leaf rust, hot and dry during seed fill, rain prior to harvest  
 Producer: Mickey Dillard, Joe Beach, and other Millersview Community Producers

Variety	Grain yield (bu/ac)		Grain yield (bu/ac) (2012, 2013, or 2015) 2-year	Grain yield (bu/ac)		Test weight (lbs/bu)	
	3-year (2012-2013, 2015)	2-year (2013 & 2015)		untreated 2015	fungicide tmt Tilt	untreated 2015	fungicide tmt Tilt
Cl	33.1	25.8	34.0	a	NS	57.8	NS
Doans	31.0	22.9	31.8	a	NS	59.0	NS
Coronado	29.0	18.3	22.2	NS	NS	26.7	58.1
TAM 112	26.4	18.9	15.2	NS	NS	24.5	53.5
Duster	25.7	18.9	21.6	NS	NS	26.2	26.9
TAM 111	23.0	16.3	14.1	NS	NS	22.6	22.2
Gallager		25.7	27.5	NS	NS	NS	NS
WB Grainfield		23.6	26.4	NS	NS	NS	NS
TAM 113		21.7	24.3	NS	NS	NS	NS
Ruby Lee		20.1	19.3	NS	NS	26.2	54.5
Double Stop CL+		18.7	21.9	NS	NS	NS	NS
Garrison		12.8	10.6	NS	NS	NS	NS
SY Razor			34.0	a	NS	NS	NS
WB 4458			29.2	a	NS	NS	NS
TAM 114			27.5	NS	NS	35.0	35.6
TAM 204			25.6	NS	NS	NS	NS
WB Winterhawk			24.2	NS	NS	NS	31.8
TAM 401			23.9	NS	NS	NS	NS
LCS Mint			23.1	NS	NS	29.6	34.7
lba			22.2	NS	NS	NS	NS
Weathermaster 135			19.6	NS	NS	NS	NS
TAM 305			30.1 (2012-2015)			56.0	58.4
Fannin			36.3 (2013)				
Greer			30.7 (2012-2013)				
Jackpot			30.1 (2012-2013)				
WB Cedar			29.9 (2012-2013)				
Average	28.0	20.3	16.7 (2013)				
P>(F) <sup>5</sup>	NS	NS					
LSD (P=0.05)			23.7	27.1	28.6	55.6	57.1
CV %			0.001	0.001	0.001	0.001	0.001
			5.2	5.9	6.1	2.40	2.10
			15.4	16.8	16.8	3.10	2.60
							3.10

Values above the average of the trial (b) or not statistically different from the highest yield (a) are shaded or labeled.

Grain yields are based on four plots of 20 rows (13ft) X 5 ft plots cut from demonstration strips, test weights were measured on each sample  
 Replicated fungicide treatments were applied and harvested across all demonstration strips, test weights were measured on each sample

NS indicates no statistical difference among the treatments for that particular measurement/column

For questions or more information contact: David Drake, ddrake@ag.tamu.edu