

UNIVERSITY OF KENTUCKY WHEAT SCIENCE NEWS

Research & Education Center,
Princeton, KY 42445
Volume 9, Issue 2 Aug 2005

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THANK YOU TO ALL THOSE WHO RETURNED THEIR UK WHEAT SCIENCE GROUP YEAR-END SURVEY 2005. Dottie

2005 KY WHEAT PRODUCTION CONTEST

Chad Lee—Extension Grain Crops Specialist



Sponsored By University of Kentucky Cooperative Extension Service and Kentucky Small Grain Grower's Association with Cooperating Agribusinesses.

Available online at: www.uky.edu/Ag/GrainCrops/

SUMMARY OF AWARD WINNERS

35 Entries (21 Tillage, 14 No-Tillage)
12 Varieties 14 Counties

I. State Awards:

Award	Div.	Tillage	Producer	County	Brand/Variety	Yield, Bu/A
Champion	I	Conventional	Tom Folz, Folz Farms	Christian	Pioneer 25R78	123.71
Champion	II	No-Tillage	Ronald and T.A. Stokes	Todd	Pioneer 26R58	112.04

II. Area Awards

Area	Producer	County	Brand/Variety	Yield, Bu/A	Div.
1. Purchase & Pennyrite	Jed Clark	Graves	Pioneer 25R37	99.37	I
2. Green River	W. S. Miles, Miles Farms, Inc.	Daviess	Pioneer 26R58	122.78	I
3. Mammoth Cave	Tom Tucker	Warren	Pioneer 25R37	113.05	I
4. Rest of State	Burton Farms	Wayne	Pioneer 25R47	112.42	I

III. Summary of Cultural Practices

	Number of Entries*		Number of Entries*
1. Date Planted		2. Test Weight (lbs/bu)	
Oct. 1-9	3	51.0—53.5	
Oct. 10-20	11 (3)	55.0—58.0	2
Oct. 21-30	11 (1) a,b	58.5—60.5	7
Nov. 1-15	8	60.5—62.0	18 (3) a,b
		62.1—64.0	7
3. Row Width (inches)			
		4. Seed Rate (lbs/acre)	
6	6 (4) a	70-80	2
7	3	90-114	4 (1) b
7.5	15 b	115-125	7 (2)
8	2	126-135	3
Broadcast	7	136-145	1
		146-155	6 (1) a
		156+	6
5. Tillage Used			
		6. Insecticides Used	
No-Tillage	15 b	Mustang	5 (1) a
Disc 1, 2 or 3	14 (4) a	Warrior T	10 (3) b
Rip, Disc	2	DiSystem	9 b
Chisel, Disc	3		
7. Herbicides Used			
		8. Fungicides Used	
Glyphosate	4	Headline	7 (3)
Harmony Extra/Harmony	19 b	Quilt	1 b
Harmony + 2,4-D	7 (1) a	Folicur	21 (4) a
Sencor	4 (3)		
Osprey	2		
9. Fertilizer			
		Fertilizer	
P₂O₅ (lbs/A)		K₂O (lbs/A)	
20-59	15 (3) b	20-30	3
60-70	5	40-59	1
75-99	6 (1) a	60-70	5 b
100-120	1	75-99	6 (1) a
		100-120	13 (3)

9. Nitrogen Applied	Number of Entries*	Nitrogen Applied	Number of Entries*
N at Planting (lbs/A)		Total N (lbs/A)	
5-14	2	80-99	4
15-20	4 (3) a	100-110	6
21-25	2	111-120	6
26-35	10	121-130	7 (4) a
36-60	2 b	131-140	3
		141-160	6 b
		161-200	1
Split N in Spring			
Split N in Spring		Split N in Spring	
1st Split Date		1st Split N (lbs/A)	
Jan.	4	30-39	1
Feb. 1-10	3 (1) a	40-50	17 (1) a,b
Feb. 13-28	14 b	51-90	4
March 1-15	2	91-140	1
2nd Split Date			
2nd Split Date		2nd Split N (lbs/A)	
Mar. 10-20	5	30-49	5 b
Mar. 21-30	14 (1) a,b	50-59	8
Apr. 1-25	5	60-90	10 (1) a
Single N in Spring			
Single N in Spring		Single N in Spring	
Date Applied		Single N (lbs/A)	
Mar.	7	70-89	3
Apr.	3 (3)	90-99	4
		100-110	4 (3)
<p>*Number of Entries Example 15 (3) a,b 15 = total number of entries (3) = number of entries above 115 bu/acre a = Top Yield, Division I b = Top Yield, Division II</p>			

IV. Summary of Entries

Grower, Farm Name	County	Brand/Variety	Yield (bu/A)
Division I, Conventional Tillage			
Folz Farms, Tom Folz	Christian	Pioneer 25R78	123.71
William S. Miles, Miles Farms, Inc.	Daviess	Pioneer 26R58	122.78
William S. Miles, Miles Farms, Inc.	Daviess	Pioneer 26R58	122.14
William S. Miles, Miles Farms, Inc.	Daviess	Pioneer 26R58	116.89
Tom Tucker	Warren	Pioneer 25R37	113.05
Burton Farms	Wayne	Pioneer 25R47	112.42
Joel Armistead	Logan	Pioneer 25R47	110.71
Joe Neal Balance, Triple Oaks Farms	Warren	Pioneer 25R47	108.42
Neil Rudy, Neil Rudy Farms	Daviess	Pioneer 26R58	107.75
Jed Clark	Graves	Pioneer 25R37	99.37
Wally Taylor, Triple T	Daviess	Exsegen Leah	98.34
Jerry Griffith, Griffith Farms	Graves	Pioneer 2552	95.25
John Kuegel, Jr.	Daviess	Exsegen Rebekah	92.72
Bernard Krampe, T.J. Barlett/Krampe Farms	Daviess	Exsegen Leah	90.09
Anderson Farms	Union	Pioneer 25R54	88.51
John Kuegel, Jr.	Daviess	Exsegen Rebekah	83.65
Gerry Hayden	McLean	Pioneer 25R49	83.63
Larry Hardesty	Meade	Pioneer 25R78	83.03
Wally Taylor, W,B,D Taylor	Daviess	Exsegen Sarah	81.47
Ray and Carl Wright	Daviess	Southern St. SS 8302	59.11
Division II, No-Tillage			
Ronald Stokes, Ronald and T.A. Stokes	Todd	Pioneer 26R58	112.04
Stephen Williams, Williams Farms	Wayne	Pioneer 25R78	110.34
Tim Alexander	Henderson	Pioneer 26R58	109.91
Burton Farms	Wayne	Pioneer 25R47	107.43
Jonathan Ayers, Fariview Farms	McLean	Pioneer 2552	104.77
Phillip Mcoun	Shelby	Pioneer 25R49	103.04
Mark Warren, Silvertonhill Farms	Washington	Pioneer 26R58	99.95
Stephen Williams, Williams Farms	Wayne	KAS Allegiance	99.18
Bivens Farms	LaRue	Pioneer 25R78	87.89
Bivens Farms	LaRue	Exsegen Sarah	84.33
Phillip Mcoun	Shelby	Pioneer 25R58	80.34
Clint Voils	Russell	Exsegen Rebekah	74.02
Philip Thompson, PPJ Thompson	Daviess	Southern St. SS 8302	68.78
Neil Fogle	Daviess	Southern St. SS 8302	68.21
Neil Fogle	Daviess	McCormick	65.09

Contributing Agribusiness

Appreciation is expressed to the following companies for their financial support which made it possible to provide proper recognition of the participants in this contest.

AgriPro Seeds
 Bayer Corporation
 DuPont Chemical Company
 Gustafson
 Syngenta Crop Protection
 Syngenta Seeds, Inc.
 Pioneer Hi-Bred International, Inc.
 Southern States Co-op &
 Kentucky Small Grain Growers Association
 Sponsors of the No-Tillage Champion &
 Pioneer Hi-Bred International, Inc.
 and DuPont Crop Protection,
 Sponsors of the Traveling Trophy and Other Awards

A Quick Review of the Currently Available Stored Grain Insecticides.

Doug Johnson—Extension Entomologist

Listed below are the common stored grain insecticides. I have described their status and use as I understand them as of August 2005. This market is undergoing constant change and update. Watch this newsletter for further updates and new products. As always, be sure to follow the label on any product you choose to use.

Note that the section headings may be read as follows:

**Product Name, (active ingredient common name), Company, Use.
Kentucky Crops**

**TalstarOne, (bifenthrin), FMC, Empty bin treatments only.
Do NOT apply to grain!**

The label for this product does allow for use in “granaries” and other food and feed handling facilities. I therefore presume that it is legal to use (though I am an entomologist not a lawyer!) in stored grain facilities.

However, in the section that applies to this “granaries” use there is no list of insect pests for which this product label claims control. Additionally, where specific insects are listed they tend to be the general structural insect problems (for example cockroaches, crickets, firebrats, silverfish, etc.) and not insects specifically known to harm stored grain. For these reasons I would expect that this product was not intended for the stored grain market. Also, since the label does not claim control of specific “stored grain” insects you may have little recourse if you were not happy with the control you get.

**Tempo® SC Ultra, (cyfluthrin), Bayer, Empty bin treatments only.
Do NOT apply to grain!**

The label for Tempo, unlike the label for TalstarOne, does list several common stored grain insects for which they claim control. Though the list is not exhaustive, it does include several of the most important and most common pests.

I have no reason or data to suggest that either of these products will not work. However, it does appear that the Tempo label was written to reflect an intended use in the commercial agriculture stored grain market while the TalstarOne label was not. Just my opinion and food for thought.

**Actellic® 5E, (pirimiphos-methyl), Douglas, Grain protectant (admixture) or Top Dressing.
Corn & Grain Sorghum**

Actellic remains the only stored grain insecticide labeled for use on corn.

**Reldan® 4E, (chlorpyrifos-methyl), Gustafson, Empty bin treatments, Grain protectant (admixture).
Barley, Oats, Sorghum, Wheat**

Reldan is being replaced in the market with Storcide II, partially because the active ingredient does not do a good job in control of the lesser grain borer. Stocks on hand may be used through December of 2005.

**Storcide™, (chlorpyrifos-methyl + cyfluthrin), Gustafson, Empty bin treatments, Grain protectant
(admixture).
Barley, Oats, Sorghum, Wheat**

Storcide is being replaced in the market with Storcide II, largely because one of the active ingredients in Storcide (cyfluthrin) does not have a CODEX MRL for use in international trade. The CODEX MRL is an international value, roughly similar to a residue value required by the US-EPA. Stocks on hand may be used, but no new product will be sold. This product should be used on grain to be sold in the US domestic trade.

**Storcide™ II, (chlorpyrifos-methyl + deltamethrin), Gustafson, Empty bin treatments, Grain protectant
(admixture).
Barley, Oats, Sorghum, Wheat**

Storcide II will replace Reldan and Storcide in the market place. The synthetic pyrethroid portion of the product (deltamethrin) is expected to provide the needed control of lesser grain borer and has a CODEX MRL for use in international trade.

There are of course, many other methods of insect management for use in stored grain. Just remember **S.L.A.M.**, Sanitation, Loading, Aeration and Monitoring. Put clean dry grain in clean dry bins, use aeration to cool and dry the grain, and monitor for insect activity. Often this will be all the insect management you will need.

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