

AGRON--GRAM

May 6, 1988

I am using this newsletter to send out information on the Wheat Field Days that are scheduled from June 13 to June 29, 1988. The attached article by Jim Echols provides information on the times and places. Included in Jim's article is information on the location of twenty additional sites selected from farmers' fields. The purpose of these sites is to evaluate Russian aphid damage of fields that have been properly fertilized. If these sites are in your area, please take time to examine them.

Attached to this newsletter are two technical reports and a technical bulletin. Technical Report TR88-3 summarizes the third year of a four-year project to evaluate sulfur fertilizer use on dryland winter wheat. The second Technical Report TR88-5 summarizes the last year of a four-year fertilizer recommendation comparison study.

Technical Bulletin LTB88-6 provides information on three dryland sites that have been established to evaluate crop and soil management systems. This bulletin describes where the management sites are located, the cropping sequences and presents data from each site for 1986 and 1987. Please note that the data is given in both metric units (SI units) and English units. For example, Table 4 is in metric units and Table 4a is in English units. Two of the dryland sites are included as a part of the wheat field day schedule. On June 16, at 5:00 p.m., the site near Stratton will have a field day, and on June 21 at 5:00 p.m., the Sterling location will have a field day. Please take time to visit these dryland research sites. I think that you will be surprised with the work that is taking place at these locations.

Sincerely,

R. Hunter Follett

R. Hunter Follett
Extension Specialist and
Professor

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Attachments

**CONTROL OF APHIDS WILL BE THE MAIN EMPHASIS OF
COLORADO STATE UNIVERSITY WHEAT FIELD DAYS**

BY

**JAMES. W. ECHOLS
EXTENSION AGRONOMIST**

Wheat field days in eastern Colorado have been scheduled from June 13 to June 29, 1988. Exact times and places are shown on the following page. At each site, an experienced entomologist who works with the Russian wheat aphid, will talk about the life cycle, the damage to the 1988 crop, the effectiveness of spray programs and new and better spray programs for future years. **Prevention of infestation of wheat planted in the fall of 1988 will be our most important goal and topic of conversation.** The entomologists, Jim Echols and other agronomists will make detailed presentations about a management program: (1) to control volunteer and prevent over-summering; (2) residue management; (3) planting dates and techniques; (4) use of fertilizer, insecticides and seed treatments to provide protection from the aphids. We will also have a demonstration of equipment that can be used for the application of these materials at planting time. We are asking local agents to serve as hosts at the location in their counties. We will use a roundup wick to make alleyways. We are asking agents to use a small mower to trim the alleyway in front of the stakes and check stakes and signs to make sure they are in good condition. Please contact a local sponsor for refreshments. We are announcing field days in the Colorado Wheat Farmer, the Colorado Rancher and Farmer and a news release from Louis Stephenson. I will also make a radio tape to be distributed by Jack Dallas. Agents should coordinate local news releases and mail information. Hopefully, this information will be adequate for local agents to modify slightly and use for a news release.

In 1987, it appeared that Russian aphid damage was less on wheat fields that were properly fertilized. In March, 1988, we applied three different rates of fertilizer to wheat growing in farmers' fields at twenty locations throughout eastern Colorado. The exact location and instructions on how to get to these sites are listed on the second enclosure. Some of these locations will be included as a part of the scheduled wheat field days. Please examine these fertilizer experiments in your area and encourage farmers and dealers to examine them. We want to determine the amount of damage by Russian aphids for each rate of fertilizer. In addition to aphid damage ratings, we will take yield, test weight, moisture and protein from each of the plots at all locations.

In addition to information about Russian wheat aphids, we will also talk about the new varieties, rates of fertilizer and give farmers a bird's eye view of what is new at Colorado State University. Ask your farmers and industry people to bring a neighbor and attend one or more of the field days.

COLORADO STATE UNIVERSITY
1988 EASTERN COLORADO WHEAT AND CROP MANAGEMENT FIELD DAYS

DATE	TIME	COOPERATOR	COUNTY	DIRECTIONS TO THE FARM
June 13	1:00 p.m.	Bill Stone	Lincoln	PUNKIN CENTER - 4 E on 94 and 3/4 S
June 13	6:00 p.m.	Research Center	Otero	ROCKY FORD - 1 E and 1/4 S
June 14	8:00 a.m.	John Stulp	Prowers	LAMAR - 6 S on 287
June 14	4:00 p.m.	Research Center	Baca	WALSH - 1/8 W, 4 N, 1-1/2 W, 1/4 S
June 15	1:00 p.m.	Franklin Jacobs	Kiowa	EADS - West to Galatea, 7-1/2 N
June 15	6:00 p.m.	Eugene Splitter	Kiowa	SHERIDAN LAKE - 3/4 W, 3-1/2 S on 385
June 16	8:00 a.m.	Bill Hinkhouse	Kit Carson	BURLINGTON - From I-70, 1/2 S on 385, 1 W
June 16	1:00 p.m.	Gary Mulch	Kit Carson	PECONIC - 7 S, 1/2 E
June 16	5:00 p.m.	Miltenberg Bros. (Gary Peterson's Crop Management Study)	Kit Carson	STRATTON - 4 E on Hwy 24
June 17	8:00 a.m.	Roy Andersen	Lincoln	GENOA - 8-3/4 N
June 17	1:00 p.m.	Wes Maranville	Elbert	MATHESON - 8-1/2 S
June 20	1:00 p.m.	R.M. Hough	Morgan	FORT MORGAN - 17 S on County Road 19
June 20	6:00 p.m.	Cliff Travis	Washington	ANTON - 5 N to Road 17, 2 W
June 21	8:00 a.m.	Research Center	Washington	AKRON - 4 E on Hwy 34, 1/4 S, 1/4 W
June 21	5:00 p.m.	Gilbert Lindstrom (Gary Peterson's Crop Management Study)	Logan	STERLING - 1/4 S of Intersec. of Co.Rd 6 & 59
June 22	8:00 a.m.	Greg Stultz	Yuma	VERNON - 1 W, 1 S, and 1/2 W
June 22	1:00 p.m.	Don Wisdom	Yuma	CLARKVILLE - 2 W on 59 to Rd J, 1 S to Rd 56, 1/4 W
June 23	8:00 a.m.	Daryl Hiatt	Sedgwick	AMHERST - 4 W and 1/8 N of Venango, NE
June 23	1:00 p.m.	Delmar Moss	Phillips	HOLYOKE - E to State Line, 2-1/2 S
June 23	4:30 p.m.	James Reed	Sedgwick	JULESBURG - 11 S on 385
June 27	5:00 p.m.	Marvin Helzer	Adams	BENNETT - N on 79 to Bromley Lane, 1/2 E
June 28	11:30 a.m.	Dean Gillham	Logan	PEETZ - 1-3/4 S on 113, 1/8 E
June 28	6:00 p.m.	Willfred Mertens	Logan	WILLARD - 3-1/4 E on County Road 18
June 29	5:00 p.m.	Gary Castor	Weld	NEW RAYMER - W on 14 to Buckingham, 1/8 N

1988 RUSSIAN WHEAT APHID FERTILITY TEST PLOT DIRECTIONS

<u>LOCATION</u>	<u>SIDE OF ROAD</u>	<u>COOPERATOR</u>	<u>EXTENSION AGENT</u>
AGATE - FROM I-70 EXIT, 5 E	N	DALE PURDY	MUCKLOW
ARAPAHOE - 1/4 W ON 40, 1/2 S ON RD 53, 3/4 W	S	CLEMENT MITCHELL	CARPENTER
BENNETT - 12 N ON 79, 1/2 E	N	KALCEVIC FARMS	MCBRIDE
BRIGGSDALE (EAST) - 4-1/2 E ON 14	N	HARRY SIEVERS	ROTHMAN
BRIGGSDALE (WEST) - 3 W ON 14, 2-1/2 S ON RD 71	W	BALL RANCH	ROTHMAN
BURLINGTON - 1/2 N OF TRACKS ON RD 48, 1/2 E ON RD W, 1/8 N	W	EDGAR PRATT	HENRY
EADS - W ON 94 TO GALATEA, 6-1/2 N, 2 W, 1/2 S	W	FRANK JACOBS	ELLCOTT
FORT MORGAN - 9 S ON RD. 19, 1-1/2 E	N	LEON IREY	LIGHTSEY
GENOA - 9 N, 4 E, 2/3 S	E	DON ANDERSEN	BENTON
HOLYOKE - 4 E OF 385 ON 176, 1/2 N	E	JAY VAISON	ANDERSON
JULESBURG - 16 S ON 385 TO RD. 10	W	JIM REED	PFAU
LAMAR - 6 S ON 287	W	JOHN STULP	LANGIN
OTIS - 1 N ON 61 TO RD. 41, 1 W, 1/4 S	W	KEN KOONTZ	RICHARDSON
PEETZ - 1-3/4 S ON 113, 1/8 E	N	RICHARD GILLHAM	BOSLEY
PUNKIN CENTER - 4 E ON 94, 3/4 S	E	BILL STONE	BENTON
ROGGEN - S TO 52, E TO RD. 95, 5 S	E	IVAN LINNEBUR	ROTHMAN
SIMLA - 5 S, 1/2 E ON ALFORD RD.	N	MONTY REEVES	MUCKLOW
STERLING - 19 S ON 61 TO RD. 4, 1-1/2 E	N	GORDON FELZIEN	BOSLEY
WALSH - 1/8 W, 4 N, 1-1/2 W, 1/4 S	W	PLAINSMAN FDN.	LANGIN
WRAY - S ON 385, 1/2 N OF VERNON RD.	W	STAN SHAFER	RICHARDSON