

## WSU getting results in fighting cheat, goatgrass

Downy brome (cheatgrass) and jointed goatgrass are the most serious weeds of dryland wheat in Morrow County. Since they are both winter annual grasses, as is wheat, they are very hard to control in the crop.

Washington State University is doing some good applied research on this subject, and is getting results. Their research has shown that certain bacteria exert a subtle effect on plants and may greatly impact plant growth. They have isolated bacteria that specifically inhibit downy brome of jointed goatgrass, but do not affect the crop.

Dr. Ann Kennedy, microbiologist at WSU, has screened over 3000 isolates and has found 100 that suppress downy brome but not wheat. She has found only a few that suppress jointed goatgrass and not wheat, because wheat and goatgrass are very similar genetically.

The bacteria are all naturally occurring organisms, and all can normally be found in the soil in wheat fields. The key to control of the weeds is in applying more of the kind that suppress the weed, and thus creating a temporary imbalance of the biota in the soil.

It is important to note that no genetic engineering is being done in order to create these organisms. This means that an excellent downy brome control is discovered, there will be a minimum of regulations to

satisfy in order to gain approval for its use. The bacteria is relatively easy to reproduce in quantity, which should make it inexpensive to use.

The bacteria are sprayed on the soil surface in the fall, usually after crop emergence. Commercial uses may dictate that the spray be mixed with a commercial herbicide. Some screening has been done with a few herbicides, and survival of the organism depended on the toxicity of the herbicide.

So far, success in weed control in the field has been mixed. In 1987-88, winter wheat yields were increased up to 35 percent and downy brome was controlled up to 51 percent using weed-inhibitory bacteria. In 1988-89, however, bacteria were not as effective in controlling the weed. At Pullman, for example, in no-till wheat, the bacteria did not improve herbicidal control of downy brome.

Dr. Kennedy still has over 9000 isolates to screen. She has many questions that still need answering, such as which conditions are most favorable to weed control and which herbicides are toxic to the organism.

Research such as this is so important in today's environmental climate. Replacing pesticide, however safe that chemical is, with a naturally occurring control is excellent public relations; is environmentally sound; and makes economic sense.

## Rally Day set at Lutheran Church

Rally Day will be celebrated both at Valby and Hope Lutheran Churches on Sunday, September 9. Rally Day celebrates the beginning of Fall Sunday School Classes. Songs will be sung, teachers introduced, resources for the new year will be shared.

Valby's celebration will begin at 8:15 a.m. in the church sanctuary. The teachers are Molly Rill and Patricia Peck with elementary students, Joel Peterson with junior and senior high youth, and Pastor Hoobing with the adults. At the 9 a.m. worship service, the teaching staff will be officially installed. Hope's celebration will begin at

9:45 a.m. within the church sanctuary followed by an "Ice Cream Sundae" before church service. The teachers who will be officially installed at the 11 a.m. service are Aleida Goodyear and Laurel Webber-Gray, preschool and kindergarten; Carla Morter, first and second grades; Corrine Miles, third grade; Delia Robinson, fourth grade; and Mycal Osmin, fifth and sixth grades. Steve Brownfield and Kent Goodyear will be adult sponsors for junior-senior high youth group.

Services and activities at Hope Valby are open to the public. A warm welcome is extended to all visitors.

## CAPECO Announces two grant Awards

Reggie Brown, chairman of the CAPECO Board of Directors, recently announced that the Community Action Program of East Central Oregon (CAPECO) had been awarded two new discretionary grants for their work in energy conservation and recycling. The Oregon Department of Energy selected CAPECO as the recipient of a special \$30,000 grant to demonstrate new weatherization techniques on area mobile homes. Doug Jerome, CAPECO weatherization manager, will oversee this special project and will train low-income weatherization employees on new cost effective techniques of weatherizing mobile homes. It is expected that approximately 25 additional low-income mobile home owners will receive weatherization services as a result of this new grant.

The Oregon Employment Division/Youth Conservation Corps announced that CAPECO was one of seven special youth employment projects funded statewide from the new "Community Service Corps" established by the 1989 legislature. This \$30,000 grant, awarded to CAPECO, will help establish a recycling program for high quality bond paper and waste computer paper from area businesses and

## Home stay search interesting

The home stay search in Heppner for Cycle Oregon III bicyclists has been very interesting, says Judie Laughlin, coordinator. "People started calling back in May for beds, long before things on this end were formulated. We have placed 108 people in homes and RV's as of August 27 and have two more to place. We do have a few backup beds, so it won't be a problem."

"People have been great offering their homes", continued Judie, "especially towards the end. We've had phone calls from as far away as Columbus, Ohio, New Orleans and New Jersey."

"One couple even discovered the cyclist staying with them had gone to high school with the lady of the house. We've placed a Jones with a Jones and a Joyce with a Joyce and have discovered this group is from all ages and out to have a good time!"

organizations. The project will be initiated in October and will utilize area youth and developmentally disabled individuals to operate the program. CAPECO expects to enter into partnerships with many organizations to participate in this program and ensure that the program is successful in meeting the needs of the young people, developmentally disabled persons and the community.

Stan Foster, CAPECO director noted that both of these grants were awarded to the agency based on past performance and through competitive reviews. "I'm delighted that CAPECO has gained such a strong professional reputation in the state in a very short time. It is always exciting to compete against large metropolitan agencies and be able to successfully bring these new resources to our communities." CAPECO serves Umatilla, Morrow, Gilliam and Wheeler counties and operates many program to assist low-income families, elderly citizens and individuals in need.

## Parents should make estate plans

Although most parents live to see their children's 18th birthdays, one or both parents could die in accidents or from illness. That's why it's important to plan how the children will be provided and cared for, points out Carol Bennett Oregon State University agent in Morrow Co.

Parents with estate plans know their children will be financially protected in the unlikely event both parents die, adds Bennett.

"Estate Planning for Families with Minor Children," FS 313, offers ideas about planning for the children's future in the event of a parent's death. It is available without charge from the Morrow County Extension office in Heppner. Call 676-9642, or visit the Extension office in the Pettyjohn Office building for the free publication.

Written by Alice Mills Morrow.

O.S.U. Extension family economics specialist, the new publication uses a "case study" approach to the subject. Morrow describes estate planning issues for a first marriage, a family with a handicapped child and a family where there are children from prior marriages.

"Each family is different," Morrow points out, "so each has a different estate planning situation. The most difficult part of the estate planning process is making complex family decisions related to lifestyle, values, goals and relationships."

Other questions to be answered include how to provide income for the children, how property will be distributed, and how financial resources will be managed. In addition, parents should decide who to nominate as guardian for the children.

Estate planning attorneys can help parents understand the advantages and disadvantages of various estate planning tools and techniques and prepare necessary legal documents, Morrow adds.

## PUBLIC NOTICE

The Town of Lexington will hold a public hearing on September 10, 1990, at 7:30 at City Hall. The purpose of this hearing is to review an application submitted by Gary Nolan for a variance of set-back requirements as required in Town of Lexington zoning ordinance, N. 79-1. The hearing shall allow interested property owners the opportunity to be heard and to present and rebut evidence. Published: September 5, 1990

## PUBLIC NOTICE

City of Heppner Water Department Box 756, Heppner, OR 97836 Phone 676-9618

September 1, 1990  
The City of Heppner reports that a water sample taken during the month of August 1990, exceeded federal drinking water standards for coliform bacteria. Chlorination of the reservoirs has been done as required.

Coliform bacteria are not harmful, but are used as an indicator of overall water quality. No health risk is indicated in this case, and the bacteria could be present due to a number of causes, including dirt in the reservoir, lack of flushing of dead end mains, or sampling error. No action by water customers was warranted but federal and state regulations require that the city provide this notice.

Dave Winters, Crew Foreman  
Published: August 29; September 5 and 12, 1990

## 2 NOTICES

Minor leaguers and T-ballers—team pictures are in. Stop by the Gazette-Times and pick yours up or contact Joyce Hughes. 8-29-tfe

Want to trade. let me use your wood trailer, I'll give you some wood. David Sykes, 676-9939. 8-22-tfx

Capture that special moment with a photograph. Weddings, dances, class reunions, birth announcements, team pictures and more. Call Joyce Hughes 676-9959 evenings. 7-25-tfe

## 1 CARD OF THANKS

I would like to thank everyone for all their prayers, gifts, flowers, good and generous gestures during my illness.

Good Bless You All  
Cheryl Ripple  
9-5-1c

There are some special people in my life. My brother and his wife, my sister, my son and wife and their grandsons from St. Helens, my daughter, husband and two daughters. My husband. Special thank you to all.

Love you all.  
Allie Majeske  
9-5-1c

The family of Gladys Snider would like to thank all those who lent her a helping hand when she needed it, the doctors and staff at Pioneer Memorial Hospital, Molly and Robinac at Home Health, and the very capable EMTs in Ione.

We would also like to thank Helen Crawford and the Friendship Club for providing food and all who sent flowers, cards, donations to nursing home and expressions of sympathy. It was greatly appreciated.

Harold and Joyce Snider  
Les & Janice Brooks & Family  
Dick, Larry & Ken Snider  
Carlitta Howell & Family  
9-5-1c

Thank you Lloyd Morgan and Dan McBride for your assistance in helping me with my flat tire. Also thanks to Jim at Exxon Station in Boardman for letting me borrow a tire to get to The Dalles.

You guys were all wonderful.  
Thanks  
Joyce & Jaclynn Hughes  
9-5-1c

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