

Basin Farmers Warned To Watch For Various Insects

Farmers in the Klamath Basin should be on the lookout for aphid and flea beetles in potato fields and clover seed weevil and lygus bugs in alfalfa clover, states Walt Jendrasewski, county extension agent.

A 20-pound per acre application of 10 per cent DDT dust gives effective control of both the seed weevil and lygus bug.

Insecticide application in clover fields should be an early morning operation before bees get into the fields.

Aphids are being found in some potato fields. Demonstration trials of aphid control in past years have given 50 per cent reduction in spread of leaf roll from a single dust applied around July 15-20.

Dust used in the past has been 4 to 5 per cent DDT with at least 50 per cent sulphur applied at 20 pounds per acre at this stage of growth. Some growers have used 40 pounds of dust per acre as a

last ground-applied application as vines are about to close the rows. A newer insecticide named Malathion is available now in dust form or as a concentrate for air spray application. Rate of application recommended is one pound of active material per acre.

Both DDT and Malathion are safe insecticides. Their toxicity to warm blooded animals is very low. A still newer insecticide named Sytox is being used by some growers. This material is being used at the rate of one pint per acre.

Sytox is a systemic. It is absorbed by plants. It is said that plants treated with Sytox will kill aphids for a three week period.

Parathion is another insecticide used quite extensively for aphid control. It has been used effectively here as an air spray at rates as low as 1/4 pound per acre.

Growers using Parathion or Sytox should take all the precautions recommended by manufacturers. These materials are quite toxic to warm blooded animals.

Aphid control in potato fields should be based on counts. Aphids are found on the undersides of lower leaves. Seed growers believe aphicide application is needed when counts find one aphid in 100 leaves examined. A 400 or 500 leaf count is usually necessary in a 20 acre field to determine extent of aphid infestation.

Seed growers are interested in holding leaf roll infection down to a minimum; and, consequently, wish to hold aphid populations very low.

Commercial growers are interested in holding leaf roll spread down enough so that net necrosis caused by the current season infection in below tolerances allowed for U.S. No. 1 potatoes.

In some cases crops produced have failed to make grade even though seed used carried less than one per cent leaf roll infection. High aphid population in such fields were responsible for the excessive percentage of net necrosis in these cases.

Flea beetle infestations are being found in some fields. Eggs laid by the first crop of small brownish black adults produce another crop of adults, which lay the eggs responsible for tuber injury. Grubs from eggs laid by the second generation adults burrow into developing tubers. Flea beetle injury in tubers has the appearance of short brownish black silvers extending into the tuber to a depth of one quarter to three eighths of an inch below the surface. These discolored areas within the tuber were occupied by flea beetle grubs.

Insecticide applications for aphid control also control flea beetle. Successful flea beetle control aimed at adult flea beetles require three applications of insecticide. In Central Oregon where the flea beetle is a serious pest grow-ers are treating soil with Aldrin prior to planting. The soil treatment is giving effective control. Aldrin as a soil treatment has been used effectively here to control wire worm.

Prisoners Let Out Of 'Hot' Jail

MIAMI, Okla. (AP) — It was even too hot in the "cooler" here yesterday.

With the temperature at 115 degrees, Ottawa County Sheriff James A. Allen ordered seven prisoners out of the jail, marched them onto the courthouse lawn under shade of trees and permitted them to play cards.

"It was too hot in that fourth floor jail," the sheriff remarked, "even for law violators."



JOAQUIM LUIS CALHEIROS MARTINS, IFYE student, prepares speech to be presented to local service club.

Portugese Farmer Studies U.S. Methods in Poe Valley

By OTTO ELLIS

"Your country is very big and very rich," is the impression Joaquim Luis Calheiros Martins, international farm youth exchange student from Portugal, is convinced after only one month on American soil.

A guest at the George Reeling ranch in Poe Valley where he will stay for three weeks before going to Pendleton in eastern Oregon for a three weeks stay on another ranch, Martins said that compared to his native country, which has a population of 245 persons per square mile, his impression of the West is "that it hasn't been settled yet."

Born in a little village in Portugal called Vila Franca de Xira, in 1926, Martins has worked for an agricultural farm in recent years. This farm consisting of 10,000 acres is a cooperative organization. Small farmers have turned their acres over to the large operators in an effort to cut farming costs and to increase yields through soil research, fertilizing and crop rotation.

Considerable progress has been made along these lines in recent years, Martins stated, however, more dams on rivers are necessary for flood control and irrigation projects before tillable land can be made to produce maximum crops. Farm machinery and automobiles are very expensive in Portugal as neither are manufactured there. Modern farm machinery used on the cooperative farm is purchased from the United States or Great Britain.

On the small individually owned farms which are too isolated or hilly to be brought into the cooperative farm system, oxen, mules and horses are still the main source of farm power, Martins added.

In his six months stay in this country he will make an intensive study of farm practices at the grass root level and upon returning to his native Portugal this winter will attempt to put some of these practices into use there.

When asked if he felt his country could, within another 10 or 20 years, produce enough foodstuffs to feed his people, Martins stated that the population of Portugal was increasing faster than farm land development, and he did not believe his country could ever raise enough food for its population.

He arrived in Washington D.C., June 18, and after spending a few days there came directly to Corvallis where he was assigned to two Oregon farms, the first being the Reelings.

4-H News

BONANZA GEMS

The first meeting of the Gems was held at the home of our leader Lester Porterfield of West Dairy, on June 17. Six members were present. The election of officers was as follows: President, Jim Porterfield; Vice President, Richard Burnett; Secretary-Treasurer Louise Schmoie; Newsreporter, Rex Porterfield; Song Leader, Larry Haskins and Sergeant at Arms, Bruce Haskins.

We discussed the project thoroughly and a tour was decided upon to measure each members acre on June 27, with the meeting of the day to be held in the home of Richard Burnett, Langell Valley, at the end of the tour.

Mrs. Porterfield served delicious refreshments at the close of the meeting to the six members and the following parents: Mr. and Mrs. Bill Burnett, Mr. and Mrs. Laverne Haskins and Virgil Schmoie.

Rex Porterfield

BONANZA GEMS

The six members of the Bonanza Gems gathered at the Lester Porterfield's home at nine o'clock Sunday, June 27, to begin their field tour. Measuring of Rex and Jim's acres started the day off, the second stop was made at the Laverne Haskins ranch to inspect Bruce and Larry's potatoes. At noon the members were at the Virgil Schmoie home to measure Louise's field. The final stop came at the Richard Burnett's home and upon completion of the tour the meeting was called to order by president, Jim Porterfield. Discussion on further club plans were made.

The third meeting will be held at Louise Schmoie's home on July 12.

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Error Corrected By Sen. Cordon

Senator Guy Cordon, in a telephone call to his Portland Campaign headquarters, this week corrected a published report from Washington that his appointment to head the Senate Interior & Insular Affairs Committee was the final appointment of an Oregon Senator to head a committee since World War I.

"To my personal knowledge this is not true," said Senator Cordon. "I don't believe news about me should in any way detract from the unstinted service given over so many years by Senator Charles L. McNary. Senator McNary was Chairman of the Agriculture Committee and prior to that he was Chairman of the Irrigation and Reclamation Committee. These two bodies have since been merged through the Senate Committee reorganization. Perhaps that is where the error arose."

"I call attention to this because I believe the credit should go where it justly belongs."

PRESSURE
FRANKFURT, Germany (AP) — The U.S. embassy in Prague said Tuesday it is "pushing" for release of seven American soldiers seized by Czech Communist border guards on July 4.

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Two of the members found some section. Toby Schuh

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As District Agent



ELLIS OCHS, who has been associated with FARMERS INSURANCE GROUP here in Klamath Falls, has been appointed District Agent for this area. Mrs. Vivian Eragstrom, with FARMERS for the past 6 years, will continue as office manager to serve the thousands of FARMERS Policy Holders in the Klamath Basin.

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Mr. Pest Reporter

BUGLAPHOBIA HAS HIT THE COUNTRY!

You may think it's a dive bombing attack... Just relax, roll over, and go to sleep; it's only the crop dusters getting to work at their usual time.

"Course, our girl Jermin's on the run, too (she's our blonde menace to the Basin's Bugs)... Ed's up early chasin' bug problems... George and Everett are spraying days and fishin' nights... Nona's searching for a cool spot on the coast... and Woody's even seen 'round the office occasionally. It's a busy season!

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