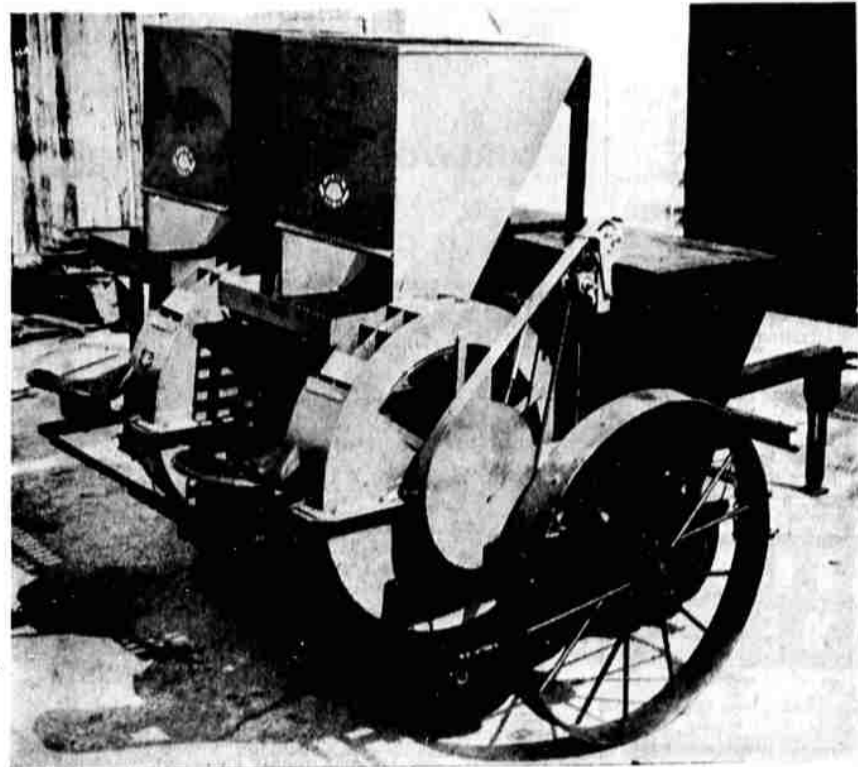


# New Spud Planter Cuts Seeding Time



**UNIT PLANTER**—The new Warren planting device. Planters sit on seats, slap spuds on to quartering edges on each wheel. Potatoes are quarters, carried around the perimeter of the wheel into the dipping vat, then dropped through chutes into furrows. Can be attached to most commercial planters . . . all of these in production now are.

## Krilium Won't Sell Until It's Proved Its Worth

SAN FRANCISCO. (Special) — Krilium soil conditioner is the subject of one of the most extensive testing programs of its kind ever undertaken by a chemical company. Charles P. Zorsch, Monsanto Chemical Company's manager of sales for the new product, said here at a meeting with representatives of the agricultural chemical industry. In emphasizing that no sales of the new conditioner would be made until the economics and performance of the product had been fully evaluated in specific markets, Zorsch pointed out that Monsanto was working more than 100 technical cooperators in 48 states. More than 30 of the country's largest universities are actively studying Krilium, and approximately 20 large commercial organizations interested in development and production of agricultural crops are also testing the conditioner. State Highway departments in 32 states are evaluating Krilium's performance in control of rain erosion.

Additionally, 25 leading academic soil scientists are doing specialized work of both a practical and theoretical nature, as are the company's research laboratories at Dayton, Ohio, St. Louis, Mo., and Springfield, Mass. Crops now being grown in Krilium-treated soil in various sections of the country include wheat, corn, rye, cotton, tobacco, oats, barley, sorghum, soy beans, flax, alfalfa, potatoes, clover, lawn grasses and more than 30 kinds of vegetables and fruits. In addition to its application in agriculture, Krilium soil conditioner is also being used and studied in greenhouses and nurseries and on baseball diamonds, golf courses and racetracks. Special mobile testing equipment built by Monsanto and manned by technical personnel will reach more than 30 states during the next few months. Zorsch cautioned agriculture chemists gathered here that they would be hearing during the next few months of tests in which "negative results" from the use of Krilium soil conditioner would be reported. Such so-called "failures," he pointed out, would fall into two classes. Amateur soil and garden enthusiasts who have managed to obtain samples of Krilium occasionally will get poor results from their use, or it because of inadequate knowledge of how to apply the new material. Monsanto realizes, Zorsch said, that a substantial percentage of technical cooperators' results "will be filed under a negative heading." It is important to understand the reasons behind such classification, he added. In some cases the concentration of Krilium will have been deliberately kept too low. These tests will be technically

rated as unsuccessful even when indications are that a slightly higher concentration of the conditioner would achieve favorable results. In other tests temperature and moisture conditions will adversely affect results, as will lack of plant food. Krilium soil conditioner is not a fertilizer and provides no plant nutrients. Application methods, of great importance in effective use of the new product, are sometimes misunderstood, Zorsch pointed out. Additionally, a number of test plots in the same area are often required to determine the ideal depth and rate of treatment, and in these cases only one test yields entirely satisfactory results. The others contribute significantly to the experimental knowledge needed in any sound development program. "These factors should be remembered when you hear a report that Krilium soil conditioner has fallen flat on its face in a given test," Zorsch said. No sales commitments have been made and no distribution channels selected as yet he added. While Monsanto has announced that the new product would sell for under \$2 per pound in its initial production stages, the company, as well as its cooperators is continuing to study the economics of Krilium carefully. "Such factors as raw materials manufacturing methods and volume production will undoubtedly play their traditional parts in influencing price," Zorsch said. "The economics of Krilium will be further influenced by the amounts of the product needed in given applications and the life of each treatment. In the meantime, it would be unrealistic for Monsanto to pin down its price more specifically."

**FROST DAMAGE** MEDFORD — A Sunday morning frost may have cut the Rogue River Valley Anjou pear crop by 10 per cent, County Agent C. B. Cory estimated Monday.

By MALCOLM EPLEY, Jr.

The first Warren Tuber Planter was shipped back to Cornell University last week where it will undergo tests in actual field trials under the direction of the plant pathology department there.

The planter designed by Klamath applanator Scott Warren and built by the Lewis Manufacturing Company, is designed to do three operations necessary to unit planting all at one time.

It eliminates the potato seed cutting in the cellar. It puts the whole operation on two wheels, including the dipping process. Here's the way it works: An operator places a seed spud on the outer rim of a "cutting wheel" which quarters the tuber. Then the potato parts are carried around the outer perimeter of the wheel and into a tank containing the solution Sensen Bel, an organic mercury solution long used for dipping spuds.

Then the units are dropped off at spacings adjusted to the planter's desire. Wall Jendzejewski, local county agent and potato specialist, says it takes a good man all day to cut enough seed to plant two acres. The Warren Unit Tuber Planter, according to Warren, will plant seven acres, cutting and dipping at the same time.

## Herald and News FARM NEWS



### 4-H'ers Set Fair At Fairground Thursday

4-H'ers will exhibit articles they have made this year at the annual 4-H Spring Fair, April 24, 25 and 26, at the County Fairgrounds. There will be exhibits of cooking, sewing, room improvement, forestry, electricity and health projects, as well as many special contests and demonstrations. The schedule is as follows: Wednesday—Exhibits will be received at the Fairgrounds, 1:00-8:00 p.m. Thursday—8:00 a.m.—12:00 noon—Cooking exhibits will be received. Judging of exhibits will start at 9:00 a.m., also Food Demonstrations by club members will start at 9:00 a.m. Friday—Judging of exhibits will continue—Special events 9:00 a.m.—12:00 noon—Clothing Demonstrations, 9:30—Bread Baking Contest (for Cooking III members) 1:00 p.m.—Cookie Baking Contest (for Cooking I members) 3:00 p.m.—Biscuit baking contest 4:00 p.m.—Camp Cookery members 6:30—7:30 p.m. 4-H Movies 7:30—4-H Talent Show Saturday—8:30 a.m.—Cake Baking contest; 9:00—Livestock electrical & Woodworking demonstrations; 10:00—Home Ec. Judging

Contest; 10:00—Outdoor meal for Camp Cookery II, III, and IV members; 11:30—Sewing Contest 1:00—5:00—Judging of Style Show garments Practice for Style Show; 5:00—4-H Movie 7:30—Style Show of garments made by 4-H'ers and special awards; 9:30 p.m.—Exhibits released.

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### Loving Cup In Fair

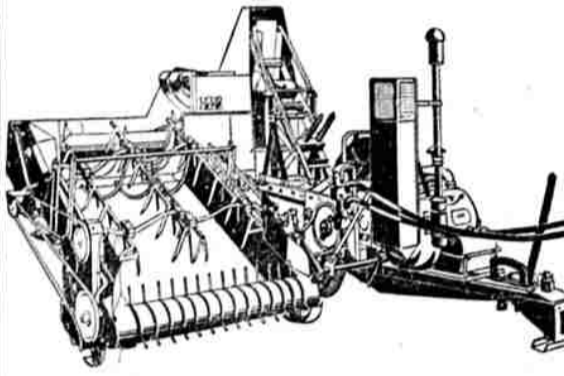
Ricky's Jewelers will present a large loving cup to the outstanding 4-H Home Economics Club, Saturday night, April 26. The cup is awarded annually to the club that has had the best club program. Community service work and improvement in project work are a part of the basis of the award. Any 4-H Home Economics Club wishing to apply for the trophy should submit a special contest form to the 4-H office no later than Thursday noon. Forms have been sent to all leaders and more are available at the 4-H office.

### Squirrels, Mice Out; Poison Time

Ground squirrels come out in the spring—and we don't want 'em. The County Agent's Office has prepared a poison out which has proved effective in killing ground squirrels. Ground squirrels are effective destroyers of pasture, hay and grainfields. They live in burrows, and eat off the plants surrounding their homes. The poison compound is placed in the holes. One hole plant can kill a whole family. The poisoned oat preparation is available from the County Agent's office or from the main farm stores here. Its components are supplied by the Federal Fish and Wildlife Service.

Field mice are also devastators of fields, and this year, after a heavy, continuous snow, they are more numerous than normal. The tiny mammals work under the snow blanket, and reports are they have multiplied considerably this season. There have been a number of cases of fruit trees being girdled under the snow. Bait for mice is oat groats, also of the poison variety and also obtained through the same sources as ground squirrel bait. About this time of year the mice move out of the cleared fields and into fence rows. That's where the bait should be applied.

**HENLEY FARM BUREAU** Regular weekly meeting is set for tonight at 8 in the Henley Grange hall. George McCullum, Simplot, is to speak on fertilizers.



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### 4-H Training Camp May 14-21

May 14-21 a recreation training camp will be held at Chatolet, Idaho for anyone interested in directing social recreation. The course is planned for camp directors and volunteer leaders of youth groups, but anyone willing to come and share this fun is welcome.

ing, party planning, ceremonials, outdoor cookery, table programs and discussion groups. The theme is "Our Heritage." Cost for the entire week is \$29.50, a \$5.00 registration deposit is required. Leaders are to bring bedding, books, craft tools, musical instruments, and flashlight. Anyone interested in attending should call the 4-H office (3131) for further information and to register.

**POPE ASKS CHARITY**  
VATICAN CITY (AP) — The administration of law should be tempered with charity as well as severity, Pope Pius XII told a group of professors and jurists Tuesday.

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