

# New Plan Saves Back In Killing Weeds In Lawn

## Selective Spray Recommended for Use By Gardeners

By C. A. HENDERSON  
County Agent

This is the title of a circular of information No. 240, from Oregon State college, by L. E. Harris, assistant agronomist for the agricultural experiment station. The experiment station has been working for some time on control of lawn weeds and apparently the combination of sinox and ammonium-sulfate is particularly promising. The following is taken directly from Mr. Harris' bulletin:

"Much back breaking work in lawn weed control may be avoided by the proper use of selective spray recently worked out by the experiment station. The spray consists of a mixture of sinox and ammonium sulfate, a common commercial fertilizer.

"Many lawn weed control experiments have been tried during the past three years and the results of the sinox-ammonium sulfate combination are generally better than those of any other chemical or method used, except for certain specialized weed problems. The advantage of this selective spray is that it destroys broad-leaved weeds without permanently injuring most of the perennial grasses. In addition to its weed killing qualities, the spray also stimulates a vigorous green growth.

"This treatment can be used on most all of the varieties of grasses that are used for lawn or turf purposes. No permanent injury has occurred on types of bent grasses, blue grass or the lawn fescues. The rather heavy rates of chemical application necessary to obtain any permanent effect on the perennial weeds will often permanently injure shallow-rooted grasses.

"The method is intended for use on old, established lawns and where the weeds have been growing for a considerable time. For the treatment of new lawns that have been seeded for less than a year, it is very necessary that the rate of application be reduced. The young seedlings of any type of plant, including grasses, are more easily injured than old, established plants. The root system of a grass seedling is small and near the surface of the soil and burning of the leaves may cause permanent injury to the rooting system, destroying the grass plant. Successful treatment can be made, however, on new lawns, but the rate of application of the solution must be cut down considerably.

"The types of weeds that can be treated include most of the species of weeds that commonly infest lawns. The most successful killing occurs on the more broad-leaved weeds, particularly those with shallow rooting systems. Effective treatments can be made, however, on some of the persistent perennials such as cat's ear or false dandelion, common dandelion, buckhorn plantain and broad-leaved plantain. Results have been considerably better for broad-leaved plantain than for the other three types of weeds. In some cases the dandelions have been more effectively controlled than buckhorn plantain. Other lawn weeds that have been eradicated include most of the small annual clovers, such as hop clover and Japanese clover; very good results are usually obtained on the small daisy, wild buttercup, and chickweed. The treatment is much more effective on the troublesome mouse-eared chickweed than it is on the common or garden chickweed.

"This method has been very effective for the control of moss in lawns and in general most all broad-leaved and soft-leaved types of weeds can be treated successfully. Waxy leaved weeds may not always be killed. The spray is injurious to the clovers and treatments should not be made on lawns containing more or less of white clover, if it is desired to retain the clover.

"The success of this method of lawn weed eradication depends in part on the condition of lawn. A lawn that has a dense grass cover will respond to the treatment better than one in which weeds predominate and the grass is extremely thin. The value of the ammonium sulfate is not only for its effect as a part of the weed killing spray, but also as a fertilizer that stimulates the grass that it competes successfully with many weeds and does not allow their recovery. The increased vigor of the fertilized grass assists in killing weakened weed plants which might otherwise re-establish themselves. This increase of grass vigor also prevents new weeds from developing from

seeds that may be lying dormant in the soil.

"In a lawn largely occupied with the larger weeds like cat's ear dandelion and the plantains, the grass may be too thin to quickly re-establish cover and therefore may not be able to prevent regrowth of partially killed perennials or the development of seedlings of new weedy plants.

"Lawns heavily infested with the perennials mentioned above should be sprayed with a heavier concentration so the weeds will be completely killed. After killing such dense stands of weeds, it is desirable to rake the surface and sow some good clean weed-free grass seed.

"Directions for using sinox-ammonium sulfate spray:

"1. Mow or clip the grass one to three days before the spray is applied. This reduces the leaf surface of the grass and allows the weeds to start new leaf growth which increases their susceptibility to the spray. The newly clipped surface allows for better penetration of the spray into weed crowns and provides more complete coverage of weed leaves with the spray.

"2. Dissolve the sinox at the rate of one pint to two and one-half gallons of clean water.

"3. Dissolve the ammonium sulfate separately at the rate of three and one-half pounds to three and one-half gallons of clean water. Make sure that all the sulfate has gone into solution. A powdered form of ammonium sulfate will go into solution more rapidly than the granulated or crystalline type of this fertilizer. Water and the chemicals to be used must be clean and free from foreign materials which might result in any clogging of the spray nozzles.

"4. Pour the thoroughly dissolved sulfate into the sinox solution slowly.

"5. Stir vigorously while the mixing is taking place. If the mixture is not done properly, a precipitate or sediment occurs which makes it difficult to keep nozzles free and to cover the weed leaves thoroughly. The amount of precipitate is greatly increased if one or the other of the chemicals is too concentrated when the mixing takes place, or if the undissolved sinox is poured into the sulfate solution. If the solution is too thick and does not flow readily through the spray nozzle, addition of more water will correct the difficulty.

"6. The thoroughly mixed solution can then be applied by any type of sprayer that discharges the solution in a fine mist, which gives the best coverage of the weed leaf surface. For small areas or for individual use a small hand knapsack sprayer is very satisfactory. Any implement delivering the solution in drops like those from a sprinkler can is not recommended due to the uneven and ineffective wetting of weed leaf surface as well as loss of much spray material.

"The following tabulation shows quantities of materials and water needed to cover various areas of lawn to be sprayed.

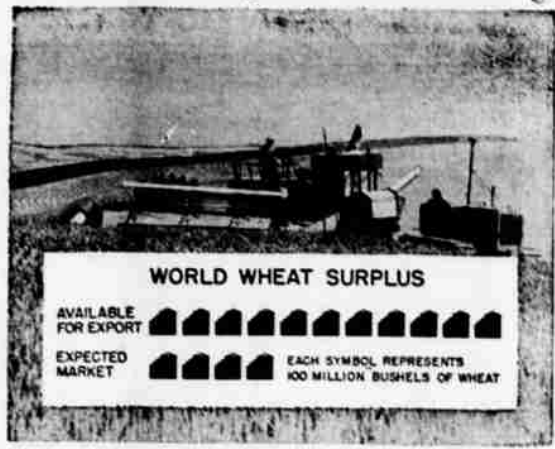
"1. One pint sinox in two and one-half gallons of water and three and one-half pounds of ammonium sulfate in three and one-half gallons of water will cover 375 to 400 square feet.

"2. One-half gallon sinox in 10 gallons of water and 14 pounds of ammonium sulfate in 14 gallons of water will cover 1500 to 1600 square feet.

"Where the weed plants are in scattered patches or growing only in spots, it is only necessary to spray the weed plants or weedy patches for weed killing, but it is generally best to add the same rate of fertilizer to the entire lawn. Otherwise uneven fertilization may cause differences in growth and cause a bad appearance.

"Spraying should be done during clear weather as results are better if a few days of sunshine follow the application. Successful treatments have been made from the middle of March throughout most of the summer months. Best results are secured by spraying either in early spring or early fall. The weeds appear to be more susceptible to the spray at that time and the milder temperatures are more ideal for preventing injury to grass. The effect of the spray is more severe on the grass during hot weather than during cool weather. However, in each case where the grass was burned down with the combination, recovery took place in a few days and the grass was much better than before the treatment. The best range of temperatures, how-

### Wheat Competes for Market



As indicated by the chart above, wheat this year is competing strongly for the world's market. Principal producing countries such as Argentina, Australia, Canada, and the United States have more than a billion bushels for sale, but the total world market is expected to be less than half a billion bushels. U.S. farmers are being urged to continue planting in accordance with AAA Program wheat acreage allotments, to help balance American wheat supply with expected demand.

### SPUD SHIPMENT UNDER WAY HERE

Shipment of 120 carloads of seed and commercial potatoes is now under way at the Klamath Ice and Cold Storage company plant on Spring street. Seed potatoes are going in considerable volume to Texas, and others have been consigned to Madera, Calif.

### 10 Soldiers Hurt In Pacific Crash

VANCOUVER, Wash., May 22 (AP)—Ten Fort Lewis soldiers were injured Tuesday on the Pacific highway near here when a freight truck, an army transport truck and an army reconnaissance automobile collided. The injured men, all Privates, were bound for the California war games. Army officers did not disclose cause of the accident.

### Anderson Elected To IOOF Position

BAKER, May 22 (AP)—Two branches of Odd Fellowship have elected officers at grand lodge session held here this week. The new officers of the association of ladies auxiliaries of the Patriarchal Militant are as follows: Ruth Lee Curry, Albany, president; Lillian Smith, Pendleton, vice president; Ethel Pease, Medford, treasurer, and Laura Farlon of Albany, secretary.

### Bozo and Pal

In the home of Mrs. Carl Young on Conger avenue live a couple of happy dogs, Pal, a Chesapeake, and Bozo, a Springer spaniel. Bozo and Pal are pretty chummy. They occasionally get their heads together and concoct a scheme which if they consulted their mistress would be discouraged, but Bozo and Pal carry out their little plans and Mrs. Young learns about it afterward.

### Humane Society Notes

Interesting Stories About Klamath Animals and Efforts in Their Behalf  
By Ida Momyer Odell

board and waited. When John came out he grinned up at him ingratiatingly as much as to say "What about it, fellows?" In his usual good-natured way John acceded to their request. He opened the door to the ambulance and in scampered Bozo and Pal. John took them home and they settled down to play again in their own yard. Men have been known to work their way intentionally into jail but this is the first time we ever had a couple of dogs invite themselves into the pound wagon.

Almost everyone loves a dog and most dogs are lovable, but the most lovable pet in the world can be a heartbreak when he persists in scratching up or trampling down tender young plants. At this time of year every yard lover is busy beautifying home and parking. Prizes are often offered for the best kept lawn, the greatest improvement in a yard, and other betterments. Our growing season is so short, our winters so long, and our flowers so limited that it is most discouraging to try to rush our gardens along in the short time allotted to us only to have a wandering dog accede to see if that soft spot means a home left by one of his friends. It is dog nature to dig and the only remedy for it is to keep your dog confined during the few weeks of the growing season so that the three letter word pet may not be wasted to the four letter word pest. We plant our seeds with faith, and watch for the little green shoots with hope, but oh the charity it does take when our four-footed friends use our seed beds for burial plots. Burial plots for their favorite bones become the burial plots for our summer expectations. Let's be gracious to our neighbors and keep our dogs at home for a few weeks out of the year.

### Bayne Appointed County Fire Head

Howard L. Bayne was appointed county fire warden by the county court Wednesday. Bayne has been doing dog control work for the county.

### Ginger Rogers Gets Rogue River Ranch

MEDFORD, May 22 (AP)—The mother of movie actress Ginger Rogers bought an 850-acre ranch on the Rogue river, 17 miles north of here yesterday, and said she would stock it with cattle. Mrs. Leila Rogers said her daughter would spend much time here.

### Dance Midland

Grange Hall Saturday, May 24 Music by Johnny Soto

### 4-H SCHOLARSHIPS TO BE PRESENTED

The following boys and girls will attend 4-H summer school, June 9 to 20, on scholarships provided by Sears, Roebuck and company, according to Clifford Jenkins, county club agent. Fred Hagelstein Jr., Algoma; Jerry Slusser, Fairhaven; Mary Christy, Chiloquin; Richard Smith, Bonanza; Virginia Godard, Sprague River; Betty Russell, Pelican City; Edith Donaldson and Dorothy Loosley, Mallin; Mary Lou O'Connor, Merrill; June Dickson, Henley, and Thelma Ensor, Altamont.

Scholarships will be presented to the club members, Wednesday, May 27, at a noon luncheon, according to T. R. Thompson, manager of the local Sears store. Delegates were selected by the scholarship committee composed of the following: Fred Peterson, Rex High, Mrs. Bert Schultz, Mrs. C. V. Schultz, Mrs. Earl Mack, George Hagelstein, Lloyd Seely and T. R. Thompson. Selections were based on program cards kept by the county club agent's office, and from recommendations of local club leaders, to club members not having received other scholarships to 4-H summer school.

### Anderson Elected To IOOF Position

BAKER, May 22 (AP)—Two branches of Odd Fellowship have elected officers at grand lodge session held here this week. The new officers of the association of ladies auxiliaries of the Patriarchal Militant are as follows: Ruth Lee Curry, Albany, president; Lillian Smith, Pendleton, vice president; Ethel Pease, Medford, treasurer, and Laura Farlon of Albany, secretary.

The Grand Encampment officers are C. L. Myers, Tillamook, Grand Patriarch; Oswald Olson, Springfield, grand high priest; Art Foster, Portland, grand senior warden; R. H. Anderson, Merrill, grand junior warden; W. A. Moran, Portland, scribe; A. H. Knight, Canby, treasurer; Ed Bowman, Hillsboro, representative for two years; William Bloom, Tillamook, grand marshal; A. W. Killick, Baker, sentinel, and Frank Pedden, Medford, outside sentinel.

**\$828**  
FOR THE DE LUXE "TORPEDO" SIX BUSINESS COUPE

...Compare this price with the **lowest** and get the surprise of your life!

De Luxe "Torpedo" Six 2-Door Sedan \$874\* (white sidewall tires extra)

IF YOU ARE ONE OF THE countless American motorists who still believe that a big, handsome, luxurious car costs a lot of money—Pontiac has a big surprise for you.

At your next opportunity—see your nearby Pontiac dealer and ask him to show you the figures on a Pontiac De Luxe "Torpedo" compared with those of the de luxe models of the all-three cars. He will show you that the difference is so slight you'll hardly notice it in your monthly payments.

And while you're there—give this long, low, smartly modern car a good going over. Notice the smooth, graceful lines of its "Torpedo" styled Fisher body... its roomy, graciously appointed interiors... the scores of mechanical features that add so much to the economy and dependability of a Pontiac.

Yes—you'll find a hundred and one different reasons why you should buy a Pontiac "Torpedo"—and, for many reasons, the time to buy is right now!

PONTIAC PRICES BEGIN AT \$828 FOR THE DE LUXE "TORPEDO" SIX BUSINESS COUPE. Delivered at Pontiac, Mich. State tax, optional equipment, accessories—extra. Prices and specifications subject to change without notice.

**Pontiac**  
THE FIRST CAR WITH THE LOW PRICE

**EARL SMITH PONTIAC**  
834 Klamath Ave. Klamath Falls, Ore.

**HODGES PONTIAC**  
Main and C Streets Tulelake, Calif.