



FARM and GARDEN NEWS



Valuable Soil Lost By Terrific Rains

In just farmers have talked about producing so many gallons of corn to the acre but seriously all farmers can ask how much of their soil there is to the gallon of water, which has just run off their farms.

It is a simple test and one conservation-minded farm leader used it to determine how much soil was being lost. Following a terrific rain the river was swirling with thick dark mud. The

farmer filled a gallon bottle with the muddy water. A test showed that each 15 gallons of water carried a pound of soil. Measurements of the river flow showed that on the basis of this sample, 276,182,010 pounds of soil had been carried down the river every hour. Two days of that would have scraped off 6 inches of soil from 4,416 acres. The top soil on many farms is not more than 6 inches deep.

What is 4,416 acres of good top soil worth? The answer to that question determines the worth of the conservation practices which hold the soil—to the farmer—to the community—and to the country.

Farmers Robbed By Wheat's No. 1 Enemy — Smut

There's no gun in this holdup, but smut, the Northwest's number one wheat disease problem, is taking more and more dollars out of the pockets of Oregon wheat ranchers just as surely as if they were being robbed at gunpoint.

Much of this wheat lost through smut is unnecessary, insists Rex Warren, O. S. C. ex-

tension farm crops specialist, who points out that proper seed treatment will pay off in larger grain checks. When smut shows up at harvest, that is a good time to resolve to do a better job of treating—and even to get the materials in advance.

Of four recommended seed treating materials, New Improved Ceresan and Ceresan-M are most effective, Warren declares. Copper carbonate and basic copper sulfate, while recommended are not the most effective. Warren states that farmers have shied away from Ceresan because of the fumes and the irritation that it causes the skin. When machines are available to handle the new wet slurry type treatment, this objection will be overcome by using Ceresan-M which does not give off fumes and which is virtually foolproof.

Warren points out that it is particularly important now to allow 24 hours to elapse between treating and the time of planting. This allows the full effect of the fumes to act on the smut spores, he explains.

Careless seed treatment is the cause for a good share of the recent increase in smut, Warren believes. The increase in acreage of some of the more susceptible wheats—Alicel, Elgin and Golden

Grain Prices May Be Protected By Two Methods

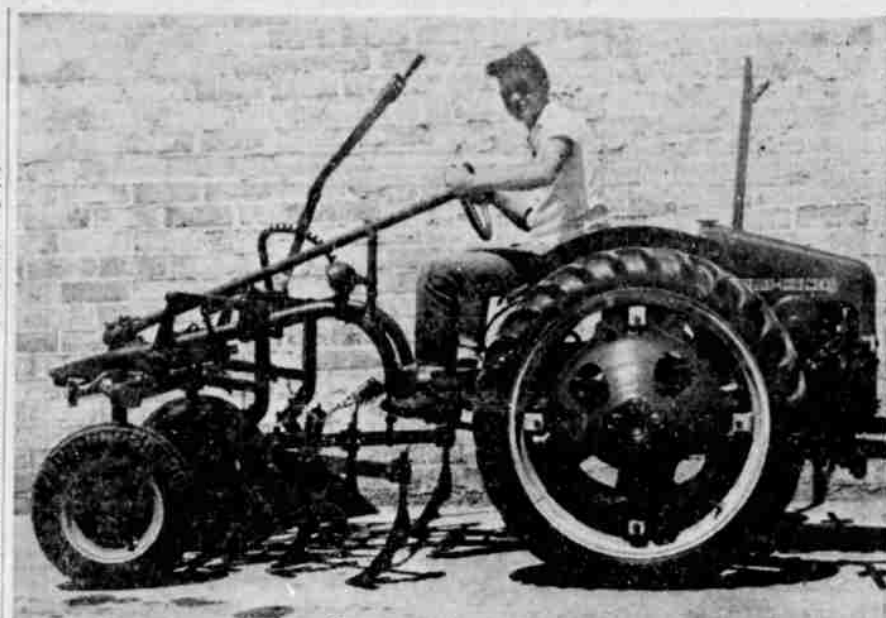
Farmers in Douglas County can protect the price of their grain crops this year through two methods.

Purchase agreements as well as commodity loans will be offered to farmers as a means of price support on 1948 crops of wheat, oats, barley and rye. Terms will be practically the same as on the 1947 crops.

Under purchase agreements, the producer states the maximum quantity of the commodity upon which he wishes an option to deliver to the Commodity Credit Corporation. The producer may then sell his grain on the market at the market price, or he may deliver to CCC any amount of his grain crop up to the stated

—have also contributed to the increase.

Smutty wheat results in loss in yield, dockage in price, dockage in pounds of grain delivered as well as costing the farmer freight on something he cannot sell.



NEW LOOK IN TRACTORS—Here is something new in tractors, the Allis-Chalmers Model D. Its new look comes from the position of the engine in the rear. These pictures were taken at the Farm and Industrial Equipment Co., where the new machine is on display. Frank Holgate, of Sutherlin, is in the driver's seat.

Ask L. D. Murphy About John Deere



L. D. Murphy, Umpqua, Ore., farmer, is shown driving his 12-year-old Model BO John Deere Tractor and a John Deere 12A Straight-Through Combine which he purchased last year. With this team he is working 200 acres this year, and is extremely well pleased with the amount of work he is capable of handling. The John Deere tractor, in 12 years of steady work, has been idle only twice for repairs and it still is operating with the original engine block which has never been rebored.

Such long, trouble-free life can be expected from any John Deere tractor or

farm implement. It's the kind of dependability that makes owners like Mr. Murphy say: "You can't beat John Deere equipment. My next tractor will be another John Deere—probably larger than my present Model BO."

Get all the facts about John Deere farm equipment and "Caterpillar" Tractor-Type Tractors from your Interstate Man. He can show you how to make more profits from greater farm production through equipment sold and serviced by Interstate.

INTERSTATE

TRACTOR AND EQUIPMENT CO.

Your "Caterpillar" John Deere Dealer

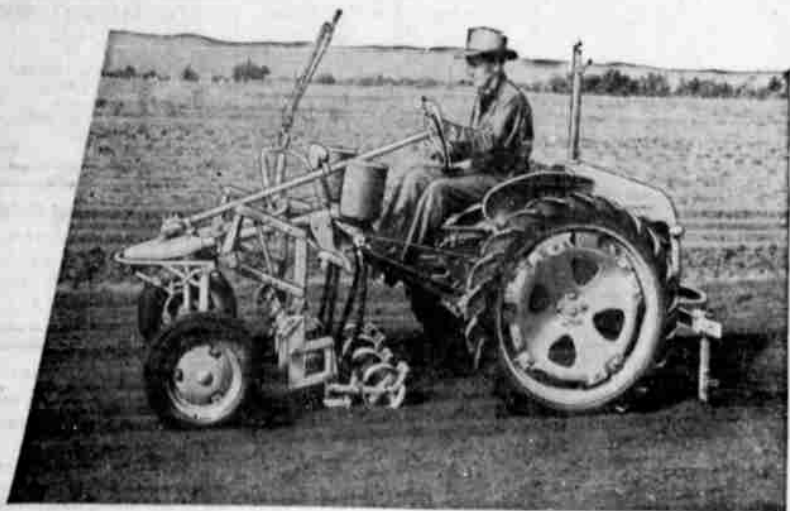
N. Jackson at 2nd Ave. S.

Roseburg

Phone 893

ALLIS-CHALMERS MODEL G

For—Some Jobs on All Farms
... All Jobs on Some Farms



A NEW SYSTEM OF MOTORIZED FARM TOOLS

Not just another size, another small tractor, but a new idea in farm power. Rear-mounted engine and front-mounted tools permit clear, straight-ahead vision. Handles front-mounted 12-inch moldboard plow in average soils. Any tool can be attached or detached in 5 minutes or less. Operates on 2 to 3 quarts of fuel per hour. Starter, lights and full size rubber tires are standard equipment.

ALL FARMS — A handy helper in busy seasons, in the field, around the barn and on the road. Replaces that last team. Economical tractor for chore jobs such as hauling, pumping, grinding, fencing, sawing cordwood, etc.

SOME FARMS — does all farm work — plows, discs, harrows, plants, cultivates, fertilizes, mows, hauls, and handles light belt jobs.

TRUCK FARMS AND NURSERIES — Replaces hand methods; plants and cultivates on beds or flat surfaces; works in close quarters. Has special low gear for close, precision work.

The Model G has a full line of tools for all farm work. Ask us for information.

ALLIS-CHALMERS
SALES AND SERVICE

FARM and INDUSTRIAL EQUIPMENT CO.

Hiway 99 North

Phone 733-J

FARM BUYS "CATERPILLAR" IMPLEMENTS

- ★ Farm Wagons
- ★ Roughage Mills
- ★ Water Systems
- ★ 6 Ft. Combines
- ★ 3 Bottom Plows

Interstate TRACTOR AND EQUIPMENT CO. ROSEBURG

JOHN DEERE TRACTORS - COMBINES - IMPLEMENTS

maximum at the price-support figure. CCC will accept the grain under purchase agreements during the 30 days following the maturity date of the 1948 loans, which is April 30, 1949, or earlier on demand.

Both loans and purchase agreements may be obtained at the County Agricultural Conservation Office.

Price-support rates per bushel on 1948 grain crops in Douglas County are: Wheat, \$1.97; oats, 60c; barley, \$1.22.

Spud Peeling Contest Decides One Crown

LONG BEACH, Wash., Aug. 2—A lot of housewives were on the sidelines to pick up tips Saturday as W. W. Marsh whipped through 25 pounds of potatoes in 12½ minutes to claim the spud peeling title of Southwest Pacific County.

At that, Marsh was two spuds behind Carl Nosko who lost out when he dropped a potato and spilled his water-filled peeling kettle on his head in the excitement.

The two, former girls and cafe owners, competed in the center of Main street. Lee Marsh, brother of the champion, won a bun-slicing preliminary from Jim O'Connell.

New Tractor Has Engine in Rear; Operation Easy

By KEITH CROW

New Developments in the tractor field have been appearing rapidly, but here is one so unusual that it deserves special mention. It is the Allis-Chalmers Model D, and a radical departure from anything previously put on the market.

By mounting the engine in the back, the tools in front, and putting the driver's seat between them, the operator is given a clear and unobstructed view of his implements. Even the steering wheel is designed for maximum visibility, being a "broken circle" divided in the top center so that the rim does not interfere with the driver's normal line of vision.

Since the weight of the engine rests directly on the rear wheels, more traction is obtained, thus giving more pulling power without increasing the power of the engine.

Easier On Driver
Another attractive feature is improved comfort in operating. Engine fumes, heat and dust are kept behind the driver, and a suction type fan blows them away. The driver's position between the wheels also gives him a smoother ride.

At first glance it appears that a heavy load attached to the drawbar might cause the front wheels to lift from the ground, but tests have shown that this is not true. Actually, a hard pull causes all four wheels to set

more firmly into the ground. The wheel rims are adjustable by four-inch divisions from 36" to 54" wide.

At the time that this tractor was put into production, Allis-Chalmers also began building front-mounted tools designed especially for it.

Raise More Pigs, Urge on Farmers

Secretary of Agriculture Charles F. Brannan has again urged farmers to increase the fall pig crop by at least 10 per cent. Holding back, rather than selling, bred sows and gilts now on hand offers the first and most rapid means of increasing the nation's red meat supply, the secretary pointed out.

Farmers can plan to expand the number of sows they keep for farrowing this fall with increased confidence, according to Secretary Brannan. This belief is based on (1) excellent prospects for 1948 feed crop production, (2) the probable strong demand for meats next year, and (3) assurance of continued price support.

Under recent legislation, government price supports on hogs continue during 1949 at 90 per cent of parity. This is the same level of support that has been in effect the past several years. Supports during the hog marketing year fluctuate seasonally, but the present annual support level is \$16.85 per 100 pounds, Chicago basis. The current 6-month price-support period extends through September.

BIGGER CROPS START RIGHT HERE!

The inset photograph of the tilling mechanism, with hood removed, shows the revolving discs which break up and mix soil, fertilizer and organic matter to full tilage depth.

... In Seed Beds Prepared by ROTOTILLER

POWER TILLER OF A HUNDRED USES!

No crop can be any better than the seed bed that feeds it. And no other type of tool can make seed beds as fine, as rich, and as moisture-conserving as this rotary tiller. Here are the reasons:

Only this modern method breaks up and pulverizes both soil and humus and mixes them so uniformly, making a rich mulch just as shallow or as deep as you

want it. It works in the driest, hardest soils, or in ground too gummy to yield to the plow. It makes a finer surface mulch, capable of absorbing and retaining moisture. It does all of this in one simple operation. Come in, we will gladly explain the many additional uses, both with and without various specially-designed attachments, for ROTOTILLER—Power Tiller of a Hundred Uses.

GET READY NOW FOR HIGH SPEED Clean Sweep CULTIVATION

WITH New INTERNATIONAL HARVESTER CULTIVATOR SWEEPS

Modern cultivation is high-speed cultivation—with sweeps—at speeds up to five miles per hour. International Harvester cultivator sweeps are tough, sharp, dependable.

- ★ SAVE WORKING TIME
- ★ CUT OPERATING COSTS
- ★ CONTROL WEEDS AND GRASS
- ★ INCREASE FARM PROFITS

Whether you use all sweeps, or a combination of sweeps and shovels, come in and let us fill your cultivating requirements. Be ready for better cultivation, better crops, with IH Cultivator Sweeps.

SIG FETT

THE HOUSE OF SERVICE—BUILT ON SERVICE



527 N. Jackson

Phone 1150

CULTIVATOR SWEEPS

A SIZE AND TYPE FOR EVERY NEED

UMPQUA AUTO AND IMPLEMENT CO.

444 North Stephens