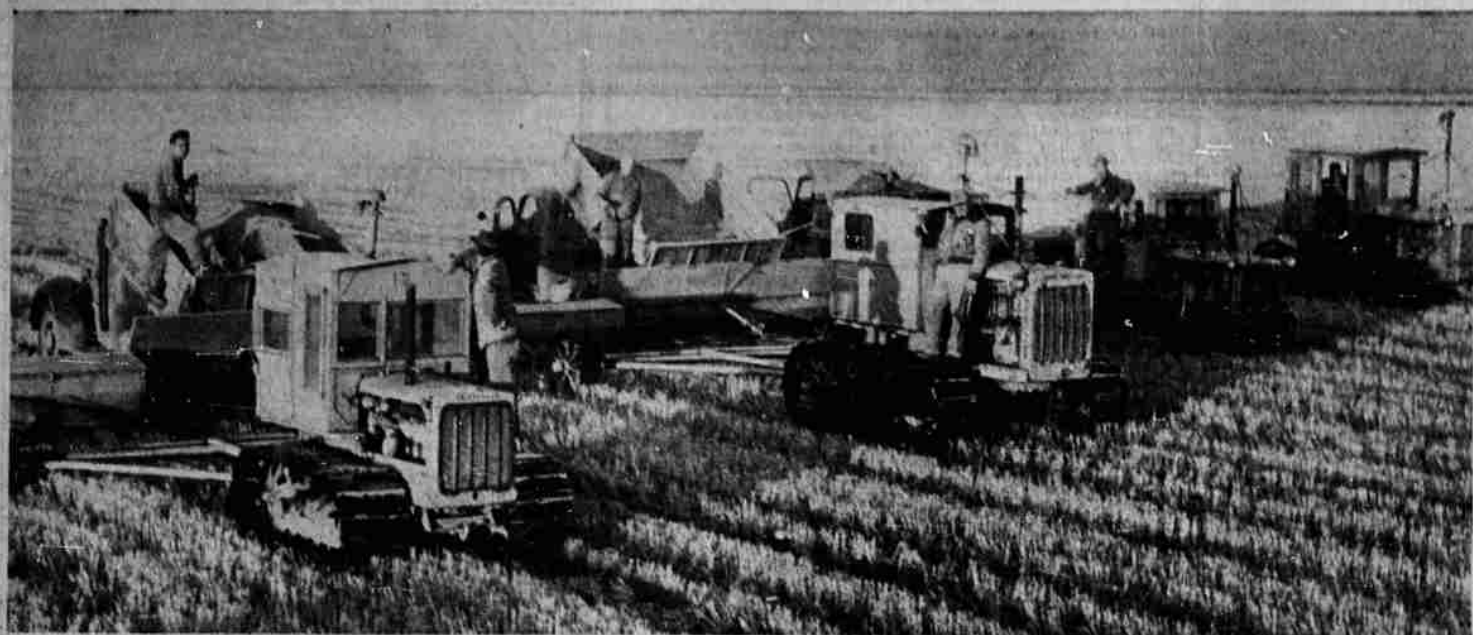
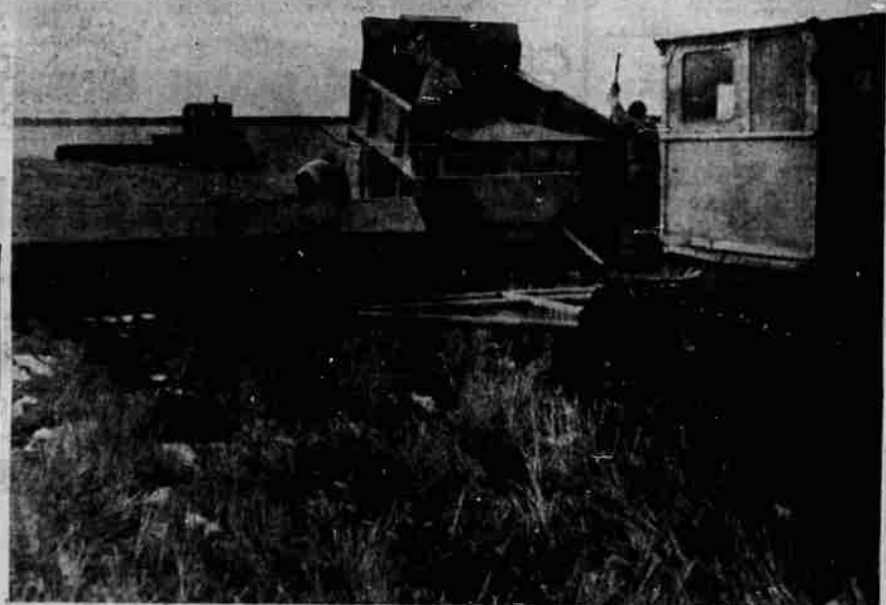


6,200-Acre Fertilizer Project One of NW's Biggest



BIG PROJECT takes lots of equipment. Above, tractors and regulation fertilizer spreaders pose in echelon formation during full in fertilizing operations. Each tractor pulls a pair of spreaders, one overlapping the other. In turn, the spreading units overlap the one in front, so a swath 96 feet wide is fertilized in each sweep around the field. Left, a Baughman spreader which can haul 12 tons of fertilizer under proper conditions. Below, dump trucks scurry about fields reloading spreaders.



What is probably one of the largest single applications of commercial fertilizer ever to be applied in the Pacific Northwest—if not anywhere—is in the process of being spread on some 6,200 acres of Lower Klamath Lake bed soils by Tulana Farms.

The material being applied is superphosphate, and the operation is being done in bulk.

Simple Soilbuilders is slated to ship about 30 cars—each carrying 50 tons of the fertilizing compound—to Tulana's Worden siding, and from there the bulk operation is distributing the slate-grey material to spreaders in the field.

The reason for all of this mass enriching of the soil? Experiments in the Lower Klamath area and on some plots in Tulana fields showed phosphates were needed for higher production. Under the direction of Gene Gross and Dr. Al Halvorsen, Klamath Experiment Station, plots showed increased yields in oats of as much as 900 pounds per acre.

No trials were made on barley lands, according to Tulana's Dick Hensel, who operates the extensive farming project with his brother Ben.

Already a dozen or more hopper-loads of fertilizer are standing by at Worden where a car-unloader and a portable conveyor-belt 30-foot long take the load from the car and drop it into trucks.

Two methods of spreading are being used for the program which Hensel hopes will cover the 6,200 acres by the time the whole affair is complete.

Conventional dump trucks carry loads of fertilizer to some fields where track-type tractors, running at full speed, tow two conventional-blade spreaders behind. As the trucks empty, the tractors come up behind them and refill them.

Four of these operate in one field. Big Baughman truck beds with 12 ton capacities haul their own loads into the fields, usually carrying only eight or nine tons of material because of field conditions. A spreader on the rear of the truck disperses the fertilizer at the same time the conventional spreaders do—about 800 pounds per acre.

In all, before the project is completed, some 2,800 tons of fertilizer will have been spread over the Lower Klamath farmlands at the rate of covering about 400 acres per day.

The Lower Klamath soil is heavy in organic materials, thus needing the phosphate deposit. With the fertilizer, trials showed even after two years there was enough carry-over to pay off.

Klamath Simplex Mgr. Ben McCullom figures that as applications on the soil are carried on year in and year out, the rate of application will decrease because the soil has a tendency to establish a balance.

Herald and News FARM NEWS

MALCOLM EFLEY, Jr.
Farm Editor

Cut Forage Served Beef Tests More Profitable

POST FALLS, Idaho (U)—A farmer may increase his profit if he serves cut green forage to his cattle in the feed lot instead of letting the animals go out their own food in the pasture.

This is being demonstrated by two Idaho brothers, Manual and Elmer Schneidmiller, who found quite by accident they can support 150 head of Hereford cattle on 40 acres of irrigated pasture.

By cutting the grass scientifically instead of just letting the cattle chew it off, short or long as the please, the brothers find they can get six or seven cuttings a year. Grass and clover will keep growing if it is neither cut too short nor allowed to grow too long, reaching the limit of growth.

When cattle go into a pasture, they destroy a lot of good food by trampling on it.

Of course the machinery and labor required for "spoon-feeding" the cattle costs a little more, but the Schneidmillers believe it is well worth it. They use a tractor to haul a chopper equipped with a cutter bar, and the chopper blows the forage into a wagon attached behind it.

They cut three loads a day, about

three acres and keep the bunkers full all the time.

This system of keeping the cattle out of the kitchen is known as "milling" and has been used for years in parts of Europe where wide open spaces are few, but is almost unheard of in the Pacific Northwest.

The brothers have some feed to spare, and plan to add a few more head to their herd. Just how many their lower 40 will support, they aren't sure.

They started using the new process only a little more than a year ago, when their cows were troubled with bloat. It seems the animals liked the ladina clover in the pasture best and would go right after that, eating too much of it.

That's when the Schneidmillers took their cows out of the pasture and found a new system that cured more than one ill.

PAY TRAFFIC FINE

DENVER (U)—A man convicted of four traffic violations in a county asked for time to go home to get the money for his \$250 fine. He returned with two paper sacks straining with silver dollars. He said he picked up the "cart-wheels" on trips into Wyoming.

Oregonians Needed As IFYE Tours

Oregon youths with farm background may apply for expense-paid trips abroad next summer as International Farm Youth delegates. It was announced today by Mrs. Winnifred Gillen, state project leader at Oregon State college.

Two will be selected to spend six months with farm families in northern hemisphere countries.

Applicants must be high school graduates, between 20 and 30 years old, and single. They must be willing after their return to "devote considerable time to speaking and spreading the influence of their experiences," Mrs. Gillen said.

Application forms and additional information may be obtained from county extension agents. Applications must reach the OSO office before January 1.

Five Oregon youths have gone to foreign countries under the program during the past two years.

Glenn Klein, 23, Aumsville, was in New Zealand from August 1951 to April, 1952. Patricia Horning, 21, Sherwood, and David Patterson, 21, Mulino, returned this week from six months in Europe. Miss Sherwood was in the Netherlands and Patterson in Finland.

Two Oregon youths left in October for South America. Jack Wells, 27, Independence, to Bolivia, and Harry Tavenner, 24, Klamath Falls, to Brazil.

The international goodwill program is financed by individuals, local organizations, farm youth groups and others, and also brings youths from foreign countries to live and work with farm families here. Mrs. Gillen said organizations wishing to help finance the program should contact the county extension agent.



MARY DONALDSON, Denmark, Ore., winner of \$300 in the 1952 Conservation Essay contest sponsored by the National Grange and American Plant Food Council.

AFBF Chooses Seattle Site

SEATTLE (Special)—Sixteen special trains are to help bring an expected 10,000 Farm Bureau members from 47 states and Puerto Rico Dec. 8-12.

With the Oregon Farm Bureau Federation convention concluded at Baker, it is expected large numbers of Oregonians will move on into Washington to participate in one of the few national conclaves to be held so close to their homes.

Agricultural leaders from throughout the nation are slated for speaking appearances at the convention.

Housework Easy Without Nagging Backache

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slow-down of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor kidney irritations due to cold or wrong diet may cause getting up nights or frequent passages. Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—helps the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

Gardeners Take Note

JUNEAU, Alaska (U)—Horticulture-weather note: Roses are blooming here in the garden of Mrs. Anna Webster, and a buttercup, too.

Pussywillows have sprouted near the Mendenhall glacier just outside Juneau. Currants and Blueberries can be had for the picking on the edge of town.

Temperatures this month have ranged from 30 into the 40's, with plenty of rain.

P. S. The Chamber of Commerce thought it would be a good idea to let the folks in Tennessee know. The Southerners just dug out from under nearly two feet of snow.

Experts Hit Tule Rust

TULELAKE—University of California plant scientists have attacked the problem presented by a new race of stem rust that damaged wheat plantings in Tulelake last season.

Farm Advisor Ken Baggett reports White Federation 38 was most vulnerable to the attack and Ramona 44 was susceptible. Both these varieties have formerly been resistant to stem rust.

Studies by Dr. C. W. Schaller and C. A. Suneson at Davis have shown Fono 48 and Baart to be highly resistant to the new race. The necessary work to provide further

resistant strains, a lengthy process in any event, is proceeding at the University.

Planting rust resistant varieties becomes more important with the appearance of this new rust. The way for growers to be positively sure, Baggett says, is to buy certified seed. As an example, the grower cannot tell from appearance alone whether he is buying Baart 38 or Baart 44 but Baart 44 is resistant to the new rust while Baart 38 is not. Buying certified seed would allay any doubt.

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Americans Back Tariff Reduction

LONDON (U)—American businessmen in Britain have lined up with those who believe lowering of U. S. tariffs would help solve many of the free world's economic ills.

These were two of the proposals aimed at restoring a balance between Britain's sterling currency and American dollars contained in a booklet published yesterday by U. S. members of the American Chamber of Commerce in London.

After dusting Victorian blinds, sponge them with household sponges that have been dipped in thick soap suds. Dry with cloth.

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