

EFFICIENT MARKETING

COOPERATIVE PLAN OF MARKETING IS PRODUCT OF WEST

By R. C. Stewart
The Western producer is the real leader in the formation of cooperative commodity marketing organizations.

Cooperative marketing under a term contract with the commodity used as the basis of the association, first won prominence in California and was later introduced into the Northwest by this paper.

At first the idea had many enemies and but few supporters. But after a lengthy educational campaign had been carried on in Oregon Country Life, and in one or two other farm papers, which later fell into line, the support of the extension service of the Oregon Agricultural college was secured.

In the April issue of the Extension Service News a summary is given of the accomplishments of the first six associations organized.

The Oregon Growers' Cooperative association has an approximate membership of 1600, representing nearly 20,000 acres of fruit.

The Oregon Wool and Mohair Growers' Cooperative association has a membership of about 250 poultrymen, representing more than 210,000 hens.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

QUALITY OF BEEF STOCK IMPROVING



Scrub beef cattle are no longer profitable. Many factors are leading to the improvement of the range stock. Where range abundance and alfalfa hay with corn silage are available for winter feed, profits can still be made on beef stock.

PLANS EXPLAINED TO WOOLGROWERS

Dallas, April 29.—At a meeting held in the office of the Polk county farm bureau recently, R. A. Ward of the Oregon Wool & Mohair Growers' Cooperative association explained the organization of the association.

Heretofore wool from the various growers has been consigned to the market in such a condition that it could not be used.

The object of the cooperative association is to get the wool on the market in such shape that the mills can use it.

The wool is consigned by the individual growers to their particular selling agency, after which it is stored in a United States licensed and bonded warehouse.

It is then graded under the association's direction by a United States licensed grader, is weighed and combined with the association's other lots of similar grade.

In this way, the association is able to offer seven or eight grades in lots large enough to attract the largest wool buyers and mills in the United States.

The association can finance growers on the United States warehouse receipts which it secures, and which are better security for loans than are private warehouse receipts.

The cost of marketing through the association is simply the cost of maintaining the grower's marketing agency. This should amount to less than one-fifth of the present cost of marketing.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

The Oregon Mint Growers' Cooperative association expects to have practically every mint grower in Oregon organized by the middle of April.

IMPORTING FINE HERD

O. M. Plummer has just received a cable from Harry West, who is now in London, England, stating that he has purchased the best bull on the Island of Jersey, Sibel Gambores Jr., a son of Sibel Gambores, the highest priced bull of the Jersey breed.

West also says that he is getting together as fine a lot of cows and bred heifers as ever left the Island of Jersey.

Son's Noble's Silver, at Shedd, with a record of \$479.81 pounds milk and 532.25 pounds fat. Another first is Oiala 2d, owned by Thomas Williams, Forest Grove. She is credited with a yield of 13,288 pounds of milk and 735.56 pounds fat.

The second is Barone's Lady, 948.7 pounds milk and 647.17 pounds fat. Her owner is L. E. Gentry, Arnsville. The third is Maid's Noble Helen, 10,621.1 pounds milk and 586.07 pounds fat, owned by G. F. Biersdorf, Cornelius.

The annual Oregon Jersey Jubilee will be held this year on June 2, 3 and 4. The Tillamook Jersey breeders have for some time been clamoring for recognition as one of the live Jersey communities of the state.

The roads are said to be in very good condition and a large crowd is expected to attend this jubilee which will afford a great many breeders their first chance to visit this wonderful dairy country.

The idea of the Jersey jubilee originated in Oregon. It has since been adopted by many communities throughout the country and the National Jersey week might be considered an outgrowth of the same idea.

Jersey breeders of Tillamook are a live bunch and those who attend the jubilee will be assured of three days profitably and enjoyably spent in viewing the fine herds.

Set Out Loganberries. Wheeler, Or., April 29.—Rhinehart & Mattley, who recently purchased property including Classic lake, near Manzanita, have just completed the setting out of 5000 loganberry trees in their field which now comprises about nine acres.

Gopher Poisoning Topic. Cove, Or., April 29.—E. E. Horn, United States agriculturist, of Portland, presided at a special farm bureau meeting held here April 29. The object of the meeting was to demonstrate gopher poisoning, which was given by Harry Avery, county agent.

Bradt Buys Guernsey. Kalama, Wash., April 29.—C. A. Bradt, local dairyman, living just north of Kalama, has purchased a fine blooded Guernsey heifer 27 months old, the only imported Guernsey in Coville county.

Wheat and Barley. At prices which mean a cheaper feed for your stock than you can find elsewhere.

WHEAT \$20.00 A TON

BARLEY \$15.00 A TON

Prices F. O. B. Portland

J. SIMON & BRO.

Warehouse

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

JERSEY JUBILEE IS SET JUNE 2, 3 AND 4

The annual Oregon Jersey Jubilee will be held this year on June 2, 3 and 4. The Tillamook Jersey breeders have for some time been clamoring for recognition as one of the live Jersey communities of the state.

The roads are said to be in very good condition and a large crowd is expected to attend this jubilee which will afford a great many breeders their first chance to visit this wonderful dairy country.

The idea of the Jersey jubilee originated in Oregon. It has since been adopted by many communities throughout the country and the National Jersey week might be considered an outgrowth of the same idea.

Jersey breeders of Tillamook are a live bunch and those who attend the jubilee will be assured of three days profitably and enjoyably spent in viewing the fine herds.

Set Out Loganberries. Wheeler, Or., April 29.—Rhinehart & Mattley, who recently purchased property including Classic lake, near Manzanita, have just completed the setting out of 5000 loganberry trees in their field which now comprises about nine acres.

Gopher Poisoning Topic. Cove, Or., April 29.—E. E. Horn, United States agriculturist, of Portland, presided at a special farm bureau meeting held here April 29. The object of the meeting was to demonstrate gopher poisoning, which was given by Harry Avery, county agent.

Bradt Buys Guernsey. Kalama, Wash., April 29.—C. A. Bradt, local dairyman, living just north of Kalama, has purchased a fine blooded Guernsey heifer 27 months old, the only imported Guernsey in Coville county.

Wheat and Barley. At prices which mean a cheaper feed for your stock than you can find elsewhere.

WHEAT \$20.00 A TON

BARLEY \$15.00 A TON

Prices F. O. B. Portland

J. SIMON & BRO.

Warehouse

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

Front and Grant Streets

SOUTH PORTLAND

TIMELY ADVICE TO BROCCOLI GROWERS

In the planting of broccoli seed, do not drill in too thick. The seed should be placed half an inch apart in the rows and these rows should be about 12 inches apart.

This is the advice to prospective broccoli growers given by Harry E. White, of the field force of the Oregon Growers Cooperative association.

As soon as the seed has sprouted and is barely an inch high, it should be hoed and cultivated. In selecting ground for planting broccoli seed, care must be taken that the soil is rich and that it will not dry out too quickly.

If it is desired to use but a small piece of ground for germinating the seed, White says that the rows may be made three or four inches wide and that plenty of room must be given for the seeds to grow and develop, as it is very much like cabbage or kale. But as it is more expensive, it is best to give each plant room to develop to prevent loss.

The best season for planting broccoli is from May 1 to May 15, as by planting during the first half of May, the plants will be ready to be transplanted from the 10th to the 15th of July.

White says that from his experience in broccoli growing, he has learned that earlier transplanting often causes the plant to head out too early.

Broccoli heads are a tender plant and if headed too early, are more than likely to be killed by cold weather in February. To mature just right, White says the heads should not mature until in March, when in this climate, there is very little danger from severe weather.

In transplanting early in July, it has been found best to plant in check rows three feet each way if it is desired to cultivate both ways. This cultivation should be continued every ten days until about September 15. Then the crop is laid aside until cutting and marketing time in March.

Incidentally, it may be said that the grower should have a sufficient supply of plants to reset where any have died within a week of planting.

COVER CROP AIDS. White has found it good practice to sow vetch between rows of broccoli which will serve as a cover crop and prevent the soil from packing. It also aids much in the harvesting as in March there is likely to be light rains.

The cutting season depends, of course largely on the weather, often varying from three to four weeks. With conditions as they were this past season, the cutting began March 10. Under ordinary conditions, White has found that about

Field and Orchard SPRAYERS At Pre-War Prices

All kinds of Barrel Sprayers and Pumps. Good Fruit Brings Good Prices—It Pays to Spray.

EAST SIDE CENTRAL GARAGE N. W. Cor. East 9th and East Taylor PORTLAND, OREGON

TWIN FIR HERD REGISTERED HOLSTEINS

ONLY BULLS FROM YEARLY RECORD DAMS FOR SALE. REAL HERD HEADERS.

Prices Reasonable

Frank W. Connell R. 1, HILLSBORO, OREGON.

SEED OATS! Certified Shadeland Varieties for May seeding, will harvest in August.

Red Clover Seed, fancy, highest testing. Rye Grass, home grown, clean seed. Samples and prices, write

SHADELAND FARMS, Amity, Oregon.

Owners Praise the SIMPLEX!

"My silo sets right where all the hard east winds get a clean sweep at it, but the Crisell patent tangent top has kept it in perfect shape," says John Harry, Oregon City, Oregon.

There are hundreds of satisfied Simplex owners in the west.

3 great exclusive features

The Simplex has three great features that you get in no other silo:

The Crisell patent tangent top construction to keep the top of the silo in a perfect circle.

The two way door hinge and lift.

The Simplex interlocking anchorage system to prevent vibration, twisting, leaning, or getting out of shape.

FREE Booklet on Silos and Ensilage

Mail the coupon or a postal for our free booklet on silos and ensilage. Information about the Pattee ensilage cutter also free upon request.

Monroe & Crisell "Everything for the Dairyman" 91D Front St., Portland, Ore.

MAIL THIS COUPON FOR FREE SIMPLEX FACTS

MONROE & CRISELL, 91D Front Street, Portland, Oregon. Send me free facts on silos and ensilage.

Name

Address

No. of Cows

Large Area Can Be Drained by Single Ditch Near Scio

Oregon Agricultural College, Corvallis, April 28.—The college soils department has discovered an area of 2500 acres near Scio in Linx county which could be drained by a single ditch two miles long, according to W. L. Powers, professor of soils, who has just returned from that district.

This area would make a very good drainage district in his opinion.

The department has now been asked to make a soil survey of the lower Powder river district in Baker county.

Oregon grade No. 1 is as follows: Sound, fairly perfect heads, well blanched, compact. No signs of withering, free from leafiness, or segmented curds. Also free from blemishes or discolorations. Each head must measure in diameter six inches and no more than nine inches. The jackets or green leaves around the head must be neatly trimmed and just enough leaves left to protect the head.

This No. 1 grade broccoli must be packed in a new container and the container must be stamped "Oregon Broccoli Grade No. 1."

Oregon grade No. 2 is as follows: Fine heads of broccoli, reasonably perfect

and symmetrical. No signs of withering and must be free from leafiness or segmented curds. Also free from blemishes from rain or freezing or disease. The size must be not less than five inches in diameter. Included in the grade No. 2 may be heads which are lighter in weight and show more variations than No. 1, but the color must not be impaired.

Oregon grade No. 3 is as follows: All inferior specimens not measuring up to grades No. 1 and No. 2. In this grade shall be placed heads that are over size and are discolored to the extent of being creamy, but not yellow.

THE KIND THAT GROW! YOU CAN'T KEEP THEM IN THE GROUND.

Seeds FULL LINES OF SPRAY PUMPS AND MATERIALS, POULTRY SUPPLIES, FRUIT TREES AND FERTILIZERS

Send for Catalogue—"It is full of information!"

J. J. BUTZER 188-190 FRONT STREET PORTLAND, OREGON

Gladiator Pumps

Are best for irrigating either large or small ranches. Pronounced by engineers as the acme of Efficiency, Economy of Operation and Simplicity.

The most marvelous unit of pumping machinery on the market. Built on Fool-Proof Lines, of the best material obtainable. Friction and wear reduced to a negligible quantity. More Water with Half the Power.

Initial cost paid in a very short time in Saving of Power alone. Needs no priming. Slow speed.

THE GLADIATOR IS THE IDEAL PUMP FOR ICE PLANTS AND COLD STORAGE

Write us for information and literature describing the greatest Money-Saving Pumps on the market MADE IN OREGON

Protecto Mfg. Co. Phone Auto. 236-55 351 E. Burnside St., Portland, Or.

HART'S NEW BROODER

My brooder plans tell how to make a brooder for 100 to 500 chicks. Use one tier or two tiers or heater. I throw out my coal and distillate stove when I invented this system.

No over-heating, chilling, worry or grief. No burnt air in the brooder room or boiler. Don't need to teach chicks to roost. A child can operate it. Very simple. Turn any old shed into a brooder house. Directions for new house. Feeding directions for chicks tell not only just what to feed but exactly how much—right to the ounce—no guess work. No gapes, toe-picking, leg weakness, diarrhea, etc., in our chicks.

My book also contains my feed formulas and methods that saves me 25c to 50c a hen a year, and produced fourteen 300-egg hens out of 400 pullets. How I fed a test pen of 90 pullets one grain feed a day and got four 300-egg hens. Other items are: Self-feeding hoppers that are waste-proof (my new idea may work on your hoppers to make them waste-proof); artificial lighting, self-cleaning chicken crates, self-cleaning nests, sanitary dropping board with miteless roosts. No. 1 Mite paint at 10c to 25c a gallon, wet mash mixer for 200 to 1000 hens for \$1. Valuable items on feeding and culling. How I selected the pullets from the general flock to be trapped at Salem that made so many high producers.

HART'S POULTRY BOOK with Brooder Plans \$1

REMEMBER THIS—Your money back if not satisfied with the book. Over 700 sold last spring on the Pacific coast. You can't lose.

W. H. HART, R. 3, Box J, Beaverton, Ore.

DURO-STONE

ANCHOR BRAND, LAUNDRY TRAYS

Important—None genuine without the ANCHOR stamped on front of tray

Above all other essentials, cleanliness in the laundry should be observed, and a smooth, hard surface, non-breakable, non-absorbent laundry tray will be found a necessity in every home or public building.

Sold by Crane Co., Peerless Pacific Co., M. L. Kline Co., Marshall-Wells and Walworth Co.

Manufactured by C. J. DONDERO Portland, Oregon

SAVE MONEY!

on That Bath Tub, Sink, Lavatory, Pipe and Fittings

Write Us Your Requirements—Let Us Show You We Can Save You Money Farm Lighting Plants, Pipeless Furnaces, etc.

THE OLDEST WHOLESALE AND RETAIL PLUMBING SUPPLY HOUSE IN PORTLAND WE SELL DIRECT

STARK-DAVIS CO. 188-190 Fourth Street

264 YAMHILL and TAYLOR—Phone: Manual, Main 797; Automatic, 5-8978

Large Area Can Be Drained by Single Ditch Near Scio

Oregon Agricultural College, Corvallis, April 28.—The college soils department has discovered an area of 2500 acres near Scio in Linx county which could be drained by a single ditch two miles long, according to W. L. Powers, professor of soils, who has just returned from that district.

This area would make a very good drainage district in his opinion.

The department has now been asked to make a soil survey of the lower Powder river district in Baker county.

Oregon grade No. 1 is as follows: Sound, fairly perfect heads, well blanched, compact. No signs of withering, free from leafiness, or segmented curds. Also free from blemishes or discolorations. Each head must measure in diameter six inches and no more than nine inches. The jackets or green leaves around the head must be neatly trimmed and just enough leaves left to protect the head.

This No. 1 grade broccoli must be packed in a new container and the container must be stamped "Oregon Broccoli Grade No. 1."

Oregon grade No. 2 is as follows: Fine heads of broccoli, reasonably perfect

and symmetrical. No signs of withering and must be free from leafiness or segmented curds. Also free from blemishes from rain or freezing or disease. The size must be not less than five inches in diameter. Included in the grade No. 2 may be heads which are lighter in weight and show more variations than No. 1, but the color must not be impaired.

Oregon grade No. 3 is as follows: All inferior specimens not measuring up to grades No. 1 and No. 2. In this grade shall be placed heads that are over size and are discolored to the extent of being creamy, but not yellow.