

Grain Farmers Must Grow at Least 17 Bushels to Acre to Meet Production Cost

BETTER METHODS IN FARMING GET GREATER RESULTS

Cooperation Helps Marketing; Wheat Raising Is Not Always Profitable, Account of Expense.

By Roy Stewart
Many people have the idea that grain farmers are making big fortunes. Some of them are, but if the value of labor is added to cost of production, it is found that the average farmer is paying for the privilege of working. He can tell you all about his income but does not know how much it costs to produce any certain crop.

During Farmers' Week 30 practical grain farmers worked out the average cost and the income which would be derived in raising and harvesting 20 acres of oats in the Willamette valley, using 30 bushels as an average yield per acre.

Man labor, horse labor, the cost of seed prepared and delivered, 20 acres of land and the cost of planting amounts to \$17.30 per acre. Twine, rent of sacks and threshing amounts to \$4.30 per acre. The use of the land figured on the basis of one third for rent, government figures of \$1 per acre for use of machinery and 10 per cent managerial charge amounts to \$12.61 per acre, making the total cost per acre \$34.21.

LOSS IS INDICATED
The average price of oats, figured at 35 cents per bushel, gives a return of \$25.50 per acre at 30 bushels to the acre, leaving \$8.71 per acre loss, or \$174.20 loss for the 20 acres.

By somewhat the same methods of calculation, some Eastern Oregon wheat growers concluded that 17 bushels of wheat per acre must be raised to pay the expenses. In view of the fact that the average yield per acre in Oregon from 1914 to 1918 was only 19.04 bushels, the conclusion is reached that many grain farmers are not making very much besides their wages.

The above figures are conservative and do not include interest on operating expenses. The average yield of wheat in the United States for a 10 year period ending in 1918 was only 15.9 bushels per acre. This is a better average than have some of the Oregon counties.

Better methods are necessary to bring grain raising to a paying business proposition. Not only must grain be produced cheaper, but the farmer must receive more per bushel and deliver it more economically.

SOIL SURVEY ASSISTS
A very valuable work which will help the Oregon farmer is the soil survey, started by the Agricultural college but not yet completed because of lack of funds. This soil survey will put all farming on a scientific basis. When the survey is completed a map will be available showing the soil types in every part of the state. Soil experts will be able to recommend the proper crops for each part of every farm and the fertilizer that will do the most good for each crop to be raised.

Not only must the average production per acre be increased, but the price the farmer receives must be raised. With efficient distribution the farmer will receive more per bushel and the miller pay less. This in turn will make the flour cheaper for the housewife and the by-product cheaper for the dairymen and stock raiser.

COOPERATION IS BENEFICIAL
When all the farm products are marketed through cooperative organization, the farmer will receive full value for his products and the middleman will start in the farming business.

Agriculture is the fundamental basis of prosperity, all other industries depending directly upon it. Better methods in farming mean greater production per acre. Better prices mean larger acreage. Together, they mean prosperity not only for the farmer, but for the entire country.

As one of the county agents expressed it, "We should stop kidding ourselves and know the facts." We should know whether we are making wages or paying for the privilege of working. It pays to keep track of your expenses as well as your income.

Growers Will Meet
The next meeting of the Clarke county growers will be held on January 21 at Vancouver, Wash., at 10:30 a. m.

Helper Make Good
COWS are sensitive creatures—their irregularity and inefficiency of hand milking makes them nervous and can't possibly get the best results of milking.

That difficulty is entirely overcome with the Burrell milker. The milking is always uniform, soothing and thorough.

One man or boy, operating two units, can handle more cows than three hand milkers, and do a better job. Figure that saving in labor and see how much ahead you'll be at the end of the year by using the Burrell.

We sell this milker because we are convinced it's the best made, and when you've examined it you'll agree with us. Come in to see.

Full Line of Creamery and Dairy Supplies. Write for Catalogue.

HONROE & ORISSELL Portland, Or.

BURRELL MILKERS

B-L-M

WHEAT MARKETING PROBLEM

By Aaron Sapiro, Chief Counsel of the California Prune and Apricot Growers

(Reproduced by permission from The Oregon Farmer.)
In less than five years we have transferred the prune industry of California from a gamble to a real business. Everywhere land is advanced where the crop is established. We have established land values in California.

Cooperative association has transformed social life of California. Our growers are sending their children to college; the men and women are wearing decent clothes; more mortgages have been paid off in Santa Clara county in the last two years than in the last 20 years.

Has it stung the public? We say no. The total advance in our product is 105 per cent against an advance in products not controlled by cooperation of 300 per cent. Wherever cooperative associations have been established they only advance prices sufficiently to keep the growers in the industry. The public must pay the growers a fair price or get no food. A board of 20 cooperative directors is much more likely to take a human view than will the private speculator. The people of the United States must make a choice whether they want their food controlled by speculators or by the growers.

Take wheat. It is the only product that was not allowed to go to the natural price during the war. The wheat growers were the only men so controlled. Everybody knows that if wheat had not been controlled, the price would have gone to \$3 or \$4 per bushel. The wheat men in this country were the most patriotic citizens we had.

The only difficulty in cooperation is to get the growers to stick together. If they only knew what it means they would be crazy to do it. Wheat is a different product. It is a nation-wide and world-wide product. The price is fixed in Liverpool. They gamble there on what the wheat crop will be in North America, Argentina, India and the other producing countries of the world, and Chicago mimics Liverpool. But there is no such thing as actual supply and demand fixing the price, though it will make the ultimate price. That law never touches an immediate transaction. The

WHAT FARM IMPLEMENT DEALERS ARE DOING

Z. K. Carson is the new manager of the John Deere Plow company, Portland branch, succeeding H. Slaver, who has been placed in charge of the Spokane branch. Carson has been with the John Deere Plow company for a number of years and in Oregon for the last year.

The Aultman-Taylor Machinery company has closed its Spokane branch and appointed C. H. Dobson distributor for the Northwest of Aultman-Taylor tractors. Dobson operates in Portland as the firm of Dobson & Gezel at East First and Belmont.

U. D. Maxon of the Western Farquhar Machinery company is the Pacific Northwest agent for the C. L. Best Tractor company. Maxon is in California closing contracts for further delivery of Best tractors for which there is an enormous demand.

Senator C. W. Hodson has severed his connection with the Hodson-Feenbaugh Machinery company, distributors of Avery tractors and farm machinery. The new firm is the Feenbaugh Machinery company with W. D. Feenbaugh as president and manager. All agencies hitherto handled by the company are being retained by the new organization.

Reclaim Kelso Land
Kelso, Wash., Jan. 10.—A diking district of approximately 1000 acres is sought by owners of land lying between the Coweman river and Owl creek between Kelso and Carrolls. The land is of the greatest fertility if reclaimed, but at present is useless except for grazing.



Making Money Make Money

is the business of the banker, and because of long experience in the financial field he acquires a wisdom and an intensive knowledge impossible for the average individual to attain.

Accordingly, the man or woman who wishes to get out of the ranks of the ordinary takes pains to select an adequate banking connection, where the officers and directors are men who have worked steadily at the financial game and know it from all angles.

The Ladd & Tilton Bank is anxious to get in touch with ambitious people in all trades and professions, particularly those who, like the farmers, are building up the prosperity of Oregon. We offer constructive banking service.

LADD & TILTON BANK

Oldest in the Northwest
PORTLAND - - OREGON

NOTED ATTORNEY FOR FARM ORGANIZATIONS



Aaron Sapiro of San Francisco, attorney for the many Pacific coast cooperative marketing associations of farmers, who says "Farmer cooperative marketing associations must consider the interest of the consumer equally with the interest of the producer if they are to function successfully and permanently."

Roseburg to Get New Packing Plant

Eugene, Jan. 10.—A packing plant to cost \$15,000 will be built in Roseburg for the rapidly growing packing business in that section of the state, is the announcement made by J. O. Holt, manager of the Eugene Fruitgrowers' association. Holt was recently in Roseburg, assisting in the plan of the Umpqua Valley Fruit union, preparatory to its merging with the Oregon Growers' association.

Hen Lays Freak Egg

Carlton, Jan. 10.—An unique egg was laid recently by a hen owned by George Watson of Grandview ranch. The egg is a genuine bilikkin. The shell is a natural one, of average size, but there is nothing inside of it, unless it be a natural substance that weights it in one end and causes it to do its tumbling act. The egg will not stay "put" if laid on its side, but rises at once to a perpendicular position.

BIG MONEY Trapping MUSKRATS

The demand was never greater, prices never so high as now. You can make a small fortune now on muskrats alone, if you will get it your time. You'll get TOP PRICES. You'll get your money immediately. You'll get fair treatment always, in shipping to the largest manufacturing furriers, H. Liebes & Co.

Abortion—Sterility
in
CATTLE
CONSULTATION FREE
DR. M. HOWES, VETERINARIAN
Phone: Taber 0566
1971 EAST STARK ST., PORTLAND, ORE.

DELCO-LIGHT
The complete Electric Light and Power Plant
Simple in construction, durable, dependable and efficient in operation.
MODERN APPLIANCE CO.
H. A. Conger, Mgr. Portland, Or. 3 N. 6th St.

WASHINGTON PRUNE MEN ADOPT PLAN FOR BETTER MARKETING OF PRODUCT

Association Elects Officers and Selects M. J. Newhouse to Manage Affairs.

Washougal, Wash., Jan. 3.—The Washington Prune Packers' Association was created by the action of 150 prune growers who met at the county courthouse on August 28 for the purpose of creating ways and means of packing and marketing their own products. A board of directors was selected at that time, consisting of Robert Webster of Vancouver, who served several terms as county engineer and has been a prune grower for many years; Fred Brooker of Vancouver, who is a most successful prune grower; John Spurgeon, a prune and walnut grower; Mr. Davies of Vancouver, who is an expert grower of small fruits and nursery stock; Billy Wood of Washougal, who has been extensively engaged in the prune business for many years; Henry Crass of Vancouver, who is a lawyer, banker and prune grower, and L. F. Russell of Washougal.

Articles of incorporation have been filed for \$40,000, and a permit granted to do business. At a recent meeting of the board permanent officers were elected, as follows: L. F. Russell, president; Fred Brooker, vice president; Henry Crass, secretary.

By-laws, growers' contracts, stock certificates and other legal documents covering the scope of activities of the corporation were perfected, adopted and ordered printed. The board also took up the business of selecting a business manager, which the owners all agree is

a very important matter, and wish to announce that they have secured the person that they feel is best qualified to manage the association.

Livestock Questions Answered

By Dr. M. J. Newhouse, Veterinarian

Question: Can you give me the name of some work on sterility and abortion that would not be technical. The articles I have seen have contained terms that are rather hard to get a clear understanding of.

Answer: No. There can be no such work on a subject such as this that does not require a thorough knowledge of anatomy, histology, pathology, etc. This makes the words clear to a person with this fundamental knowledge, and to such a person is not technical to others if of necessity must remain so.

Question: We have a cow that recently gave birth to a full time calf. The cow does not give enough milk to feed the calf. Can anything be given the cow to make her give more milk?

Answer: Have a veterinarian inject hypodermically, under sanitary precautions, one-half ounce or more of large cow of her own milk. This can be repeated the third day after the first injection, if necessary. Also feed liberally of a milk producing ration.

Question: Can abortion be cured? Does it exist to any great extent in cattle? I have not ever had any such trouble, but I have heard much about the same.

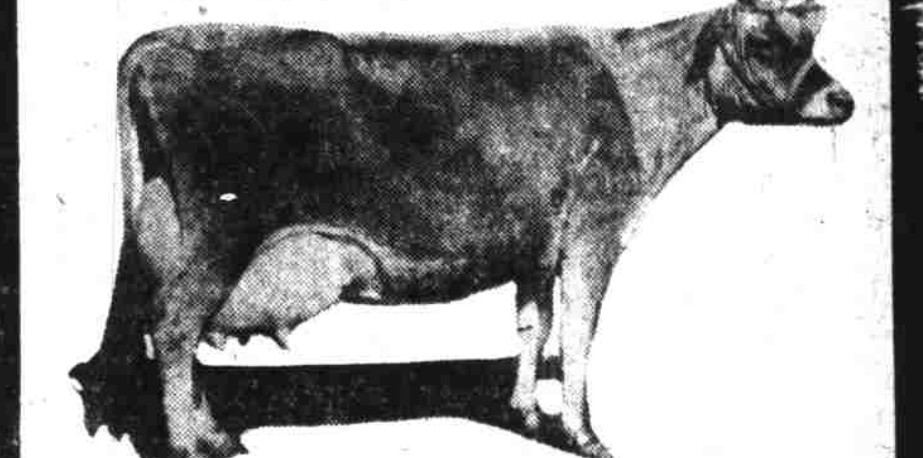
Answer: Abortion can be cured in the individual cow and controlled in any herd. Not all cases of cows that abort can be made to breed successfully, as a good many become sterile as a result of the infection following the abortion. Abortion exists to a large extent in a good many herds in the United States. However, my personal experience has been that sterility or cows being unable to be made pregnant is of greater danger to the breeder than abortion. It would surprise any one if they knew to what extent sterility is present in cattle today, and it is to a great extent preventable.

Good Cows Best in Economical Result

The first reason for having good milk cows on the farm comes from the fact that they provide the cheapest, best and

most wholesome food for the family. Their value is hard to estimate when we consider the amount saved on the bills. Their produce is a superior substitute for many foods necessarily purchased at high prices. In fact, there is no economic way of doing without plenty of good milk cows on the farm.

Registered Jersey FOR SALE



Grand champion in show ring, over 1100 lbs. of butter; also a world's record sister to a world's champion. Due to freshen. Young bull from world's record dam; sire's dam world's record cow.

CLIFFORD F. REID
202 Wilcox Building, Portland, Oregon

OLYMPIC FLOUR

**Good Flour
Good Recipes
Good Cooks**

These are the three elements of good baking. You may rely upon **OLYMPIC Flour**, the first element for fragrant bulging, spongy loaves of bread, light flaky biscuits, and cakes of velvety texture that make fame for good cooks.

Every cupful of **OLYMPIC Flour** is the same. Your good recipe is reliable because your flour is reliable. For uniformity **OLYMPIC Flour** is "foremost in the field."

Simply say **OLYMPIC** to your nearest grocer when you see flour, and ask him to send you the de luxe **OLYMPIC Tested Recipe Cards** each month and the practical **OLYMPIC Household Reminder**. These helps to cooks are free.

LADD & TILTON BANK MEMBER FEDERAL RESERVE SYSTEM
Oldest in the Northwest
PORTLAND - - OREGON