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CANADIAN CEREAL AND MILLING COMPANY, Ltd. Toronto, Ontario

Make Your Own Tile

FARMER'S CEMENT TILE MACHINE CO.

WALKERVILLE, ONT

at

Half

Price

The

The Cost of Milk

The increased cost of all feed stuffs s well as labor makes the problem of as well as labor makes the problem of profitable milk production an impor-tant one for farmers and dairymen. Even the value of good cows has in-creased 20 per cent. during the last two years, despite the fact that the price of milk has not kept pace. two years, despite the fact that the price of milk has not kept pace. Accurate records of the amount of feed consumed by the New Jersey State College farm dairy herd were kept during the past year and are given in detail below. Two sets of calculations are given, one basing the cost of producing milk on the actual cost of growing and harvession of growing and harvest of growing and harvest of growing and harvest of growing the prices; the other calculation being the prices; the other calculation being prices; the other calculation being based on market prices of the pro-

ducts.

The herd consisting of 31 head of mostly grade cows of the four breeds —Holstein Jersey, Guernsey, and Ayrshire, consumed during the year the following amounts of feed and complexes.

roughage:

Actual co Amount growing & Tl. in Tons. harvesting cost. per ton.

| Sud- AND Ltd. | Mixed hay | 142.25 21.78 2.32 12.00 19.00 172.00 10.5 | \$2.98 4.82 4.94 5.34 4.00 3.51 23.00 | \$383.12 104.97 11.46 64.08 76.00 603.72 241.50 |
|---------------------|--|---|---|---|
| Tile | Beet pulp Mixed grain made up as follows | | | 1487.43 |
| Cost | Total | | | \$2972 28 Tl. cost |
| \$4.00 to | Distillers' grains. Wheat bran Oil meal | 72,800 35,700 18,100 | Per ton. \$30.00 27.00 35.00 | \$1092.00 475.20 316.75 |
| \$6.00 | | 126,600 | \$30.00 | \$1883.95 |
| per 1,000 | to bulls and young stock | | 30.00 | 396.52 |
| 1,000 | | 103,125 | | \$1487.43 |

Average cost per cow per year for feed alone—\$95.73. Average cost per day for feed alone

Average cost per quart of milk-\$0.024

Interest (31 cows at \$100 each at 5 155 00 310.00

Total cost of labour, bedding, etc., 31 head 92 176 80

Average cost for labor, etc., per cow per year \$70.22. Average cost for labor, etc., per cow per day—\$0.192.

Average cost for labor, etc., per quart of milk—\$0.0176. The charge of \$5 per year per cow for stabling covers the extra cost for the stable construction necessary in producing high grade market milk.

producing high grade market milk.

Further than this no charge is inself or the dairy buildings, nor for dairy apparatus, milk utenslis incidental expenses, or insurance.

Based on actual cost of growing and barvesting products consumed, and of labor, the total cost for feed, labor, etc., for the year was per cow 186.5%; based on market and present the second of 3 cost of the second of 3 cost of the second of 3.6% per cent. milk, the total cost per quart of milk will be in the first case. \$80.416, in the second or the case \$0.0480. No credit, however, is given the cow for the manure is the farmer's produced, nother is the farmer's case of the control of the control of the cost of t for the manure voided or the calf produced, neither is the farmer's time charged for. Calculating the manure worth \$20 per cow, and the grade calves \$6 each at five days old, the cost of producing four per milk even with the high yields re-ported, and not including cost of 28 supervision, was approximately four .00 cents a quart.

BREED COMPARISONS There is a marked difference be-tween the income from the various cows when comparison is made by grouping the grades and pure breds of each breed together, and classify-ing the herd on this basis. The fol-lowing table identifies the herd by breeds and ovives the actual support 95 50 lowing table mentines the nerd by breeds and gives the actual amount of milk, butter fat, and estimated butter, together with the income per cow at the price received for College Farm milk at the farm, in cans:

Aver. Aver. Aver. Value of yield of yield of No. of milk at Average Average Average Average yield of yield of yield of yield of estimated milk per days in butter, day(365), milk. quart for fat. 1bs \$271.88 333.91 411.84 3.43 293 480.48 162.78 282.42 321.43 300.40 241.30 375.00 23.6

Ayrehire Placing market valuations on the home grown products and consider-ing four tons of forage equivalent to one ton of hay, the value of the feed

of milk.

| consumed was as | | value per | Total value. |
|---|---|--|---|
| Green forage equivalent to hay. Mixed hay Oats and pea hay Alfalfa hay Corn stover Ensilage Beet pulp(ear lots) Mixed grain(ear lot | 36.66 21.78 2.32 12.00 19.00 172.00 10.5 ts) 51.31 | \$12.00 15.00 15.00 20.00 8.00 5.00 23.00 30.00 | 8427 .32 326.75 34.80 240.00 152.00 860.00 241.50 1487.4 |
| Total | | | \$3769.8 |

Average value of feed consumed per cow per year—\$121.60.

Average value of feed consumed per

Average value of feed consumed per cow per day—\$0.333.

Average value of feed consumed per quart of milk—\$0.0304.

LABOR AND EXPENSES The following charges are based on actual cost of labor and do not in-

clude supervision: Labour (one man for 12 cows) at \$1332.00 \$1.50 a day

Bedding (one bale shavings for 20 cows per day)

Stabling (\$5 per cow per year)

The above is significant, showing that regardless of breeds there is, at six cents a quart for the milk, a clear profit in dairying when first-class unimals are maintained in the herd. The Holsteins rank first in lbs. milk, while the Jerseys, as shown by the following table, outclass all others from a standpoint of butter produc-

per cow on 4% rer cow Equi- on 4% valent fat basis to 4% at 6e rilk. per qt. d. 348 \$233.41 17 10.296 287.87 85 7.061 197.42 No. of yield Breed. cows. of milk. Holateins 16 9724.2 3.4, 6.34 Fersey8 7 978 5.17 10.296 Guernsey8 4 8522 4.85 7.061 Avrshires 4 859.3 3.72 8.036 Holsteins Ayrshires

The Jerseys show a good margin from a butter fat basis, while the Guernseys are unusually low since three of the cows were farrow for several months owing to the fact that the bull used was not a sure breeder. The average weight per cow of these 31 head was 1,231 lbs.

Government \$1332.00 The Dominion Government are buying 550 boxes of exhibition apples at Newcastle for the Belgian International Exhibition next summer.

W. H. Gibson, Durham Co., Ont. The Dominion

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bottle was used we noticed that the b
was healing up splendidly and that
leg was also improving, and after
second bottle was used the mare wa
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