

Artificial Breeding Of Dairy Cattle

By F. H. JETER

The advantages of artificial breeding of dairy cattle are as follows:

The services of superior sires are available to all farmers in an organized area.

It eliminates the necessity of keeping a bull or hauling cows to neighbors' bull.

Money saved by eliminating the investment in a bull, plus the cost of feed and labor will more than pay for service fees for artificial breeding.

It eliminates the danger of keeping a bull.

It aids in preventing the spread of disease.

The bull semen is carefully checked before cows are bred, thereby detecting sterility or low fertility before serious delays are caused in breeding operations.

Avoids the danger of mating large heavy bulls to small heifers or cows.

Makes necessary the keeping of accurate breeding records.

By elimination the necessity of keeping a bull, an extra cow can be kept and the profit from her will pay for all or a large part of the cost of breeding artificially.

The quality of dairy cattle can be improved far more rapidly because superior sires are made available to more dairymen.

Are there any disadvantages?

None that cannot be overcome by properly operated breeding associations. Do not expect to settle cows on which the bull has failed. It is not a cure for shy breeders or cows with diseased reproductive organs.

The little child was sitting, demurely on the couch, watching her mother smoking a cigarette. Her little nose was wrinkled and in her pale blue eyes there was an expression of childish disillusionment. Finally, unable to stand it any longer, she burst out in her wavering falsetto: "Mother, when in the heck are you going to learn to inhale?"

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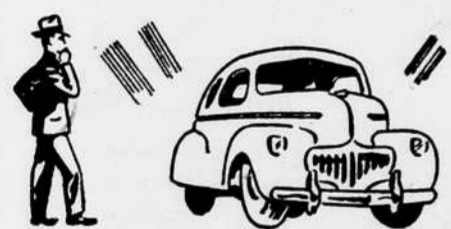
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The Importance Of Good Milk

By JACK D. COBB
County Sanitarian

As a service to the people of McDowell county your Health Department, in co-operation with the newspapers of McDowell county, intends to publish from time to time as a public health service articles of real public health significance to the community.

Today's article will deal with milk supplies which should be of interest to every citizen in the county. On the positive side of the public health, ledger, milk possesses many advantages over other types of food used for human consumption. Certainly it is one of our essential articles of diet. It has repeatedly been proclaimed "nature's most nearly perfect food, possessing practically all of our essential dietary requirements, with the exception of roughage, some iron and perhaps Vitamin C. If we examine the milk consumer nations of the world one can readily see that modern progress and civilization, as we normally think of it, is largely confined to those places and areas classed as milk producers and consumers.

Since milk is classed as "nature's most nearly perfect food" your Health Department is vitally interested in increasing the per capita consumption of good milk throughout McDowell county and North Carolina. Most children should have a minimum of one quart daily and adults one pint.

Within recent years and because of growing demand for Grade A milk, many Grade A dairies and pasteurization plants have been constructed throughout this section of the state, and yet this demand for good milk supplies is far from being satisfied, since many of our people are still consuming milk from unapproved sources and car loads of milk are being shipped daily into North Carolina from other states.

Why is your Health Department so concerned with good, clean, sanitary milk supplies produced on dairy farms awarded the coveted Grade A rating? Here are some of the reasons why the negative side of the ledger often times gives the public health sanitation and health officer night mares:

First of all milk is the one farm product which proves to be the most difficult to harvest, handle and transport to the market in a clean and unspoiled condition.

Secondly, it has been found to be an ideal culture medium for the rapid growth of bacteria. These bacteria can include disease germs, causing among others the following diseases: Tuberculosis, Scarlet Fever, Typhoid Fever, Scarlet Fever, Paratyphoid Fever, Undulant Fever, Diphtheria, Dysentery, Diarrhea and Septic Sore Throat.

In fact public health authorities in the past have attributed more deaths throughout this country due to contaminated milk than from all of our other food stuffs combined.

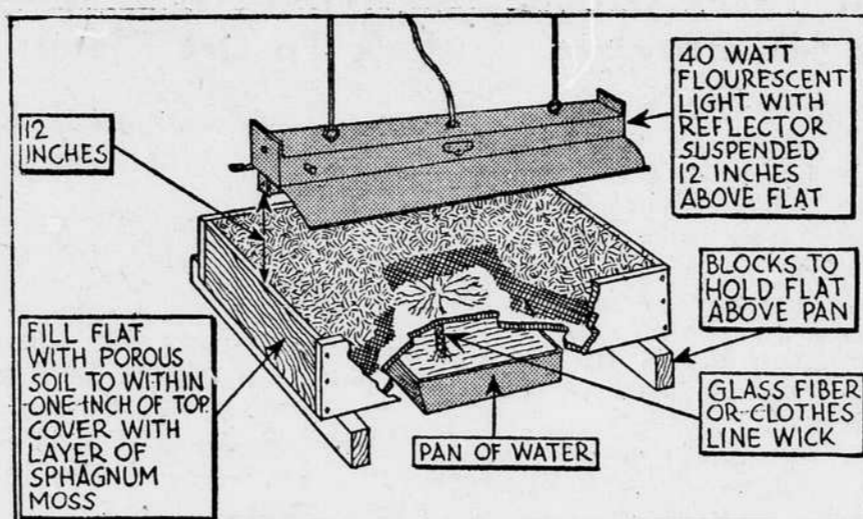
Thirdly, it is common knowledge that the opaqueness of milk produces an ideal camouflage or covering to hide dirt and other filthy substances. The public health bacteriologist in many a modern laboratory often times is not unduly surprised to find more bacteria in some samples of so called "barnyard" milk than he would find in an equal amount of creek water into which our sewage mains discharge.

Fourthly, and this should concern the mothers and fathers of all children, it is a well known fact that we feed much of our milk to the two age groups in the two extremities of life, that is, our young children and our old folks, the toothless one, so to speak, to those in which probably the flame of life flickers lowest and the age groups ordinarily weakest and most susceptible to disease. Certainly, these most loved of all age groups deserve milk that is clean, graded and safe beyond all question. Certainly so important an article of diet, and yet one which often begins to rot before leaving the cow, deserves every possible sanitary precaution.

Your Health Department is fully aware of its immense responsibility in protecting the milk sheds of this section, and it urges you to consume more milk but that you demand the best, either Grade A pasteurized milk and milk products preferably, or Grade A raw.

A later article will deal with the major sanitary requirements of the U. S. Public Health Service, milk ordinance and code, which has been adopted by the Burke-Caldwell-McDowell District Board of Health for the protection of its citizens.

Two women drivers were chatting. First—"I don't see why they say women are such awful drivers. I have run into lots more men than women." Second—"So have I. Even when they were parked."



Inexpensive Equipment Will Insure Ample Light and Water to Your Plants, and Protect Them From Disease.

Science Designs Seed Box To Start Plants in Home

Grandfather's methods of sowing garden seeds in a box to grow in the kitchen window during the winter have been subjected by experiment stations to a series of rigid tests. Sometimes grandpa succeeded, and sometimes he failed; without knowing exactly why.

Science demands first to know why, and then seeks a way to prevent failure. If all the protective measures which have been recommended in the last few years were applied to a single seed box (see illustration) here is what it would have.

1—Automatic watering, by the wick method, to make sure the soil never dried out.

2—A layer of sphagnum moss on top of the soil, in which the seeds were sown, to prevent diseases, especially "damping off," which cannot develop in the anti-biotic moss.

3—A lamp, preferably fluorescent, suspended a foot above the box, so it can be turned on to supplement the daylight, whenever light is needed.

With this equipment, none of which is expensive, any amateur gardener ought to be able to sow seeds of flowers or vegetables in an indoor box, and bring the seedling plants up to transplanting size without disaster.

Most important of these devices

is probably wick watering, which is as simple as an oil lamp. A wick, preferably of fibre glass, is passed through a hole centered in the bottom of the box. The top of the wick is imbedded in the soil, the bottom drops into a pan below the box, and as long as there is water in the pan, the soil will be kept moist. With a large enough pan you can leave the box for days without attention.

Sphagnum moss will not allow plant fungi to develop. By spreading a layer of moss on top of the soil, sowing the seeds in it, and covering lightly with more moss, germination will be quick, and loss by disease nil. But the moss will not take up water from below, and if wick-watering is used, it must be watered from above until the seedlings grow roots which reach the soil.

Artificial lighting is not necessary, where a south window unshaded by outside trees or building, is available. But where it is not, if a fluorescent lamp is hung over the box, as indicated by the diagram, and kept lighted all night, the plants will get enough light. It will not be needed until they sprout. Mazda lights may be used, but they should be hung higher, so that the night temperature of the box does not rise above 65 degrees.

THE ANSWERS

1. Senate: Democrats, 34; Republicans, 42.
House: Democrats, 262; Republicans, 171.
2. Sam Rayburn, (D.), of Texas.
3. Kenneth R. McKellar, (D.), of Tennessee.
4. Joseph W. Martin, Jr., and Charles Halleck.
5. Robert A. Taft and Arthur H.

6. Nine
7. 201 are lawyers
8. House Ways and Means
9. House Rules
10. Approximately one billion, fifty millions.

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