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Family Farming

Cooperative Extension South Dakota State University

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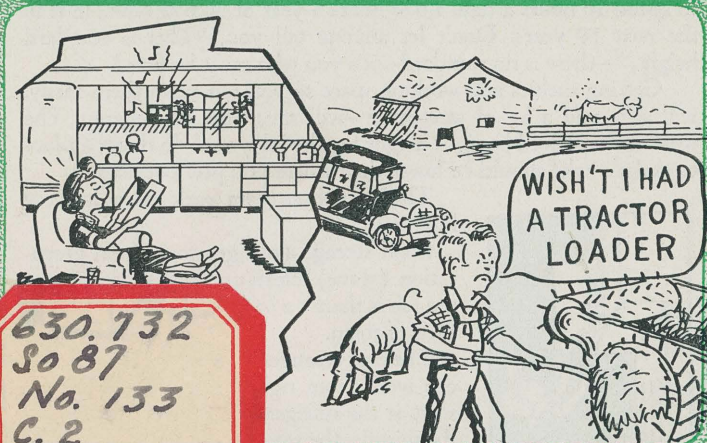
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South Dakota State Col

Family Farming



**DEDICATED TO BETTER BALANCE
BETWEEN FARM AND HOME**



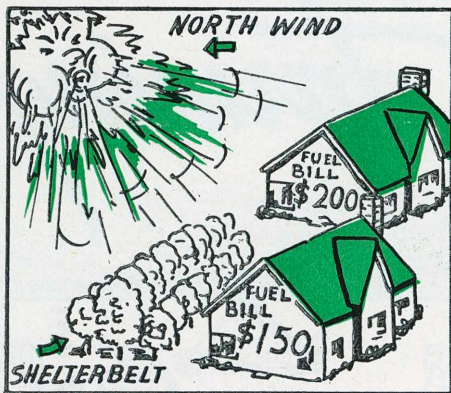
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**AGRICULTURAL EXTENSION SERVICE
SOUTH DAKOTA STATE COLLEGE, BROOKINGS
EXTENSION LEAFLET 133 JANUARY 1951**

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Trees Make a Farm Home

25% Heat Saving by Shelterbelt; with Landscaping, Adds \$1,500 to Value of Farm



Besides their beauty, trees have a money value. Scientific tests show that a windbreak will cut fuel cost 25%. In a blizzard, cattle on open range lost 30 pounds more per cow than those protected by trees. (At Ardmore, S. D.)

A 30 mile an hour wind when blowing over a 35 ft. shelter-

belt will be reduced to 10MPH 100 ft. downwind; 15MPH at 200 ft. For tree success, plant the right kind of trees for your locality (look around and see what's growing). Keep the weeds and livestock out. Use several kinds but keep each kind in a row by itself.

Landscaping will "dress up" your place. It adds to the selling value. Land appraisers say a good shelterbelt and landscaping adds \$1,000 to \$1,500 to value of a farm. Frame the house with landscaping; don't hide it.

Tailor-Made Kitchen

Your New Kitchen Should Be Made To Fit You

If you're remodeling your kitchen or planning to build a new one, remember it should be made to fit *you*—you're the one who is going to spend 10 hours a day, 3,650 hours a year or 36,650 hours in it in the next 10 years. Don't let anyone tell you, "This is standard height,"—there is no standard—it's you who must be fitted.

Getting shelves and working space so you can reach them easily, will save you a lot of stretching—will save time and energy. The work space should be right height for the job you'll do there; a place to make a cake should be lower than where you peel potatoes.

There are three main work spaces in every kitchen:

Food storage (refrigerator), food preparation (stove), clean-up (sink). It will ease the job if there's a base and wall cupboard at each of them.

The best arrangement is to set it up so you can work from right to left (around a U, start at the refrigerator at right, the sink in the middle, the stove at the left).

There are many good kitchen planning helps you can get: Bulletins from your home agent, blueprints from S. D. State College and from lumber yards and appliance dealers. The important thing is to *plan* and *plan* and *study* before you start to build.





Four-H Club work is the largest, and the most successful on-the-farm educational organization for boys and girls in the world. There are two million members in the U. S.; 12,000 in S. D.

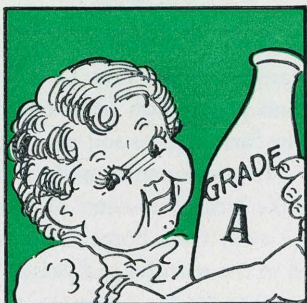
Any boy or girl 10 to 21 is eligible. It is necessary to belong to a club to share in the benefits. Clubs usually meet once a month. Each member has his own project. There are many projects to choose from—beef, swine, sheep, horse, dairy, poultry, garden, crops, range management, handicraft and tractor maintenance for boys; homemaking, such as clothing, meal planning, home life, for the girls. Under the direction of their leader, 4-H'ers carry out their projects through the year, learning better farming and homemaking. Club members also give demonstrations, do judging, attend camps and help with community activities. Through the years of 4-H Club work, they develop into better citizens. The world sorely needs better citizens today.

Your boys and girls should be in a 4-H club—it will be a wonderful thing for them. No doubt there is a club in your neighborhood. See the leader about joining. If there is no club, talk to your county or home demonstration agent. They will help you get started.

Buy Dirty Milk? Ugh!!!

You wouldn't buy dirty spoiled food, would you? Your milk customers feel the same way about it. It's plain good business to keep milk clean and sanitary—and healthier for your family, too.

Clipping cows' udders, flanks every month or six weeks helps keep the milk clean. Just clipping alone has been proved to prevent 51% of the bacteria in milk. If in addition the cows are washed with warm water (never use soap on a cow) it will take out another 27%. To do an even better job, add chlorine to the wash water. Chlorine will cost only 11½c a day for 20 cows. Always rinse the machine or pail before milking. Then use the same chlorine water to wash cow.



Many Septic Tanks No Good

It's a shame but many farmers are putting their money into sewage disposal systems which are going to be unsatisfactory. There's a difference between a cesspool and a septic tank. A cesspool merely allows sewage to soak away. A septic tank, made right, separates solids from liquids, allowing easy disposal. A cesspool won't do this. Calling a cesspool a septic tank doesn't make it a septic tank. It's got to be made right. Make one or buy one that conforms to S. D. State College and state board of health standards. Your county agent has these plans.

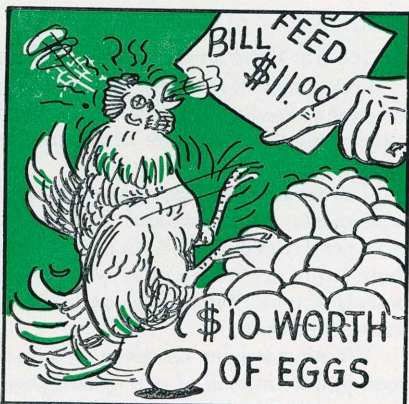
The tank too small and tile disposal lines too short are the most common troubles. You need a 750-800 gal. tank for 6-8 people (don't figure on less, you may have company sometime.) You need 300 ft. of tile for light, sandy soil or 450 for heavy clay (6-10 in. gravel needed under tile). Even the best tank will have to be cleaned.

Just Grain Doesn't Pay

In a test, an experiment station fed two identical flocks of hens. No. 1 got grain only; No. 2, grain and mash.

At present prices, No. 1 laid only \$1.28 of eggs—the laying mash hens, \$3.81. While the mash feed cost more, each No. 2 hen made \$1.24 profit.

It didn't cost as much to feed just grain but each No. 1 hen actually lost 2c.



Nutrition for You

**Have You
Eaten These
TODAY?**

Orange, Grapefruit or Tomato?
Vegetable (leafy, green or yellow?)
Potatoes, other Vegetable or Fruit?
Milk, Cheese or Ice Cream?
Meat, Fish or Poultry?
Butter?
Whole Grains, Enriched Bread or Cereal?

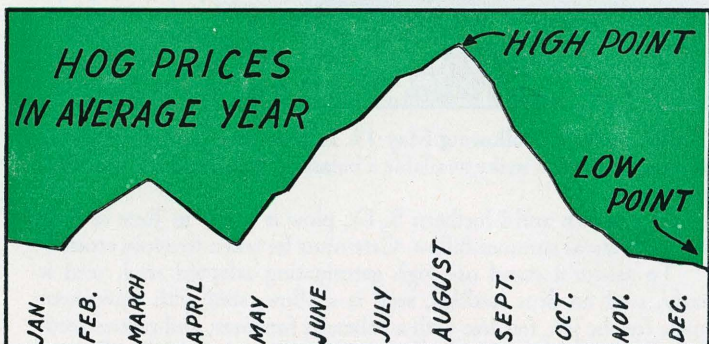
If you have eaten something from each group, you shouldn't feel *tired, listless* or *under-par*. When you and your family eat the right food, it does far more for you than just keeping you alive and going. The right food helps you to be at your best in health and vitality.

Well-selected food does three things for you: 1, Gives you heat and energy. 2, Regulates your body so it will run smoothly and make best use of the food. 3, Builds and repairs your tissues and bones. It gives you that old zip!

Hit the High's

Livestock prices follow the same general path, year after year. (Known as "seasonal trend.") Knowing the trend you can plan your marketing to avoid the low price spots and hit the high's.

Good grade slaughter steers are usually high in September; low in February. Feeders, high, March; low, February. Lambs, high, July; low, February. Hogs, high, August-September; low, December.



Good Pasture Worth Money

Makes \$56.80 of Pork Per Acre; Twice the Protein in Early Cut Hay

Proper pasture management assures more complete utilization of the pasture over a long-time period. Such items as rotation, use of supplemental pasture, rate of grazing, and grass varieties all enter into the picture.

The advantages of good pastures are numerous. In a summary of experiments, hogs produced on pasture gained one-fourth pound more per day and used 48 pounds less feed per 100 pounds gain than those fed in dry lot. In other words, an acre of forage is worth 284 pounds of pork. Basing hogs on a \$20 market, each acre of pasture was worth \$56.80.

Weaning weights of calves are heavier when they are raised on good pasture instead of over-grazed pasture. Pasture rotation is one way to control internal parasites of sheep.

Experiments conducted show that early-cut hays contain twice as much protein as late-cut hays. Chemical analysis and digestion studies on early- and late-cut hay show that early-cut hay contained over 7 percent crude protein, of which 40 percent was digested. Late-cut hay contained 4 percent crude protein but only 12 percent was digested.

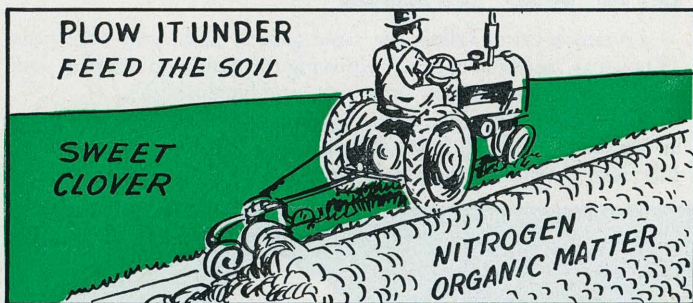
In other words, the early-cut hay contained 2.8 percent digestible protein and the late-cut only .48 percent digestible protein or less than oat straw.

In winter feeding trials, early-cut hay produced more rapid and cheaper gains.

It Ain't Like it Used to Be

Many farmers have noticed that their land doesn't produce like it used to. Forty percent of the organic matter, 35% of the nitrogen and 15% of the phosphorous, all necessary, are gone.

Sweet clover is king of the soil builders. It can be handled by several methods. In Eastern S. D., it is seeded with the small grain;



plowed under the following May 15. In that area, phosphate added as you plow, helps make available a balanced plantfood for corn that same year.

In Western and Northern S. D., plow it under in June or July and let it lay as summer fallow. Care must be taken to avoid erosion.

To assure a stand use high germinating adapted seed, seed it early, seed on firm seedbed, seed it shallow, seed with equipment made for the job, fertilize with a balanced fertilizer, and reduce seeding rate of nurse crop. Sweet clover seed crop is practical for all areas.

Family Farming

It's a sure thing that it's going to be a lot different in America the next few years. We will probably have a standing Army of three to four million men for years. That means not only the 18-year-olds now but every 18-year-old for many years to come.

Our government plans to spend 40 billion dollars for armament in 1951—that's about twice what our regular government has been costing. This excessive cost will probably go on for years and years.

Our taxes will go higher and higher. By 1952, taxes will probably take *one-third* of all our incomes. Stop and think what that will mean to you.

The best way for the farm family to prepare for this dark picture is to become a strong unit. Good balance between the farm and home—harmony among Dad and Ma and all the kids. You're going to have to stick together to stick it out. You'll need each other.

Let's put in those improvements for Mother now. Next year may be too late. Let's get the utmost efficiency and maximum production from our crops, our livestock and our soil. The farm and its soil must be kept in good shape.

Improvements made now to make the work easier, will make it easier to carry on when the boys—and the girls, too—are away from home. You probably will be pretty short-handed in the months and years to come.

FAMILY FARMING has tried to show you ways in which you can prepare for the tough times ahead. America needs strength now. Family farming is the basis of our strength.

We Invite You

Visiting the FAMILY FARMING exhibit may have been the first contact you have had with your county or home agent or the S. D. State College Extension Service of which your county agents are a part.

If you are not a regular user of our services, we invite you to come back early and often. As you saw today, we have specialists, trained men and women in crops, livestock, poultry, soils, foods, home management and all the rest. These people are at your service.

The Extension Service is working with and helping thousands of farmers, homemakers and children every day in South Dakota. We invite you to drop in at the County Extension Office and talk over your problems. Maybe we can help you. We'll surely try.