

## Sweet Clover Is Best for Forage

More Valuable for Pasture and Green Manuring Than for Hay Crop.

(Prepared by the United States Department of Agriculture.)  
The recent sudden increase in the growing of sweet clover in the northern United States has brought many inquiries to federal hay inspectors and to hay dealers regarding the marketing of baled sweet-clover hay. The acreage of sweet clover available for harvesting this year is the largest ever known, while the heavy plantings that were made this spring will result in sweet clover being one of the leading forage crops in the country in 1927. Most of this sweet clover will be used for pasture or for plowing under. Some of it, however, will be cut for hay, and the surplus above farm requirements will be offered for sale.

**Hay Not in Favor.**  
Sweet-clover hay is not held in high favor in the leading hay markets and dealers report much difficulty in disposing of the sweet-clover hay consigned to them. The United States Department of Agriculture reports that no official standards or grades have been established for sweet-clover hay and that no such grades are contemplated for the immediate future.

The very evident lack of market interest in sweet-clover hay is due to the fact that hay from this crop heretofore offered for sale has been of very low quality and of poor condition. Practically all of it has consisted of an unattractive mass of coarse, woody stems, almost devoid of leaves and fine stems, often badly weathered or moldy, and obviously of low feeding value. The principal buyers of legume hays, including the clovers and alfalfa, are dairymen, and these demand hay that is fine-stemmed and leafy, sound, and of good color and of high palatability and feeding value. Sweet-clover hay may be so produced as to have all of these characteristics, but the type of hay usually placed on the market would be largely wasted if fed to dairy cows. Most buyers will not consider it even for bedding.

**Cause of Poor Quality.**  
The cause of the poor quality of sweet-clover hay lies partly in carelessness in harvesting and partly in the nature of the crop itself. Sweet clover is a biennial plant, making a moderate growth the first year and a very large and rapid growth the second spring. Most of the hay is made from the second-year crop. When harvested at the right time this second-year sweet clover will make very good hay if properly cured, but the curing and storing of sweet clover so as to obtain good quality hay is very difficult. The harvesting must be done just as the flower buds are forming, and the interval during which this occurs is usually not more than three or four days. If cut too early the crop is too succulent and almost impossible to cure without spoiling. If cutting is delayed until the flowers appear the stems become overripe. Such stems are coarse and very fibrous and dry so slowly in the swath that most of the leaves wither and fall off before the hay can be put into the barn. If the sweet clover is stacked or placed in the mow at that stage of curing when the leaves are clinging to the stalks, the stalks will be so sappy as to start a strong ferment that often turns the hay musty and moldy. Unfortunately, the harvesting usually comes at a season of frequent showers and at a time when farmers are too busy to watch the sweet clover closely. As a result very little second-year sweet-clover hay is saved in good condition. Recent investigations have disclosed, furthermore, that second-year sweet-clover hay, which for any reason has become spoiled, is likely to cause severe and often fatal poisoning of cattle. The trouble is thought to be due to a fungus or mold which develops on the inside of the hollow stems.

All of these conditions may be improved somewhat by planting the yellow sweet clover or one of the early white varieties, like the Grundy County. In general, however, second-year sweet clover hay is being looked upon with increasing disfavor. Although it may be used in an emergency for home-farm use it should not be cultivated to compete with alfalfa and red clover as market hay.

**First-Year Cutting.**  
A good word should be said, on the other hand, for sweet-clover hay cut the first fall following a spring planting. In a good season and on moist soil one and sometimes two cuttings of excellent hay may be obtained in August and early September. This hay is fine-stemmed and leafy, of first-rate appearance and feeding value, and comparable in every way to good alfalfa hay. In fact, it has been offered on one market as "near alfalfa." The only objection to first-year sweet-clover hay is the grain stubble which it may contain, if the seeding is with a nurse crop.

This can be avoided by planting the sweet clover alone or by cutting it higher than the stubble. Cutting should take place not later than the middle of September, since much food material in the stems and leaves, including the valuable protein, is carried to the roots in late fall for storage over winter.

The value of sweet clover for pasture and green manure is very great. In these respects the crop is unexcelled. The utility of the crop for hay is doubtful, especially for market hay, when it must compete with such well-known legumes as alfalfa and red clover.

## Some Visible Signs of Binder Troubles

Nebraska Experts Give Few Good Pointers.

According to farm machinery experts at the Nebraska Agricultural college, a careful observation of the following "ifs" will secure better operation and less trouble:

1. If the machine travels with a jerky motion, main drive chain is too loose or it may be dry. Try a little oil on it.
2. If the slats rip off the canvas, the elevators are not square.
3. If the knottor hook is rusty and rough, it will not work properly. Polish it with fine emery paper.
4. If the binder attachment is not timed properly, it will not work. Some binders are timed in as many as five places.
5. If the knottor hook does not turn far enough to close the fingers on the twine, no knot will be tied. Look at the knottor pinion. It should not be worn.
6. If the twine slips through the cord holder, the twine will be pulled out before the knot is tied. Adjust the cord holder spring. It should take 40 pounds to pull the twine from the disk.
7. If the disk does not move far enough, the knottor hook grasps only one cord, hence a loose end band.
8. If the needle is bent or out of shape, there will be a loose end band. The needle is of malleable iron and should be hammered back to shape.
9. If the twine is pulled from the hook before the knot is tied, try the knife, it may be dull.
10. If you wish to change the size of bundles, do it with the bundle-sizer spring, not the tension or compress spring.

## Grain-Cleaning Device Described in Bulletin

Apparatus, called a Bates aspirator after its inventor, E. N. Bates, market specialist of the Department of Agriculture, automatically removed smut and light dockage from grain by suction as a part of the threshing operation.

In this attachment the grain as it is thrown from the thresher elevator is spread out into a thin, even stream by being directed onto a low inverted cone. The cone causes the grain to pile up and flow evenly over its edge. Suction from above draws a current of air through the thin sheet of falling grain and lifts out the light material.

Need for the removal of smut and dockage at threshing time is emphasized by the fact that there was approximately 1,230,000 bushels of dockage assessable against 118,965,000 bushels of wheat produced in Washington, Idaho, and Oregon during a recent year. Of this dockage total approximately 764,000 bushels were of smut dockage. The department says the question of dockage has become one of the outstanding problems of the wheat belt.

A description of the apparatus and detailed methods of using it have been published in Miscellaneous Circular 56-M, "Cleaning Grain With the Bates Aspirator," copies of which may be obtained upon request to the Department of Agriculture, Washington, D. C.

## Pure-Bred Bulls Travel at Half Rate in South

Common carriers of the Southeastern Tariff association have granted a half-rate concession on the transportation of pure-bred bulls to be used for breeding purposes when their value does not exceed \$150.

This information received by the United States Department of Agriculture from the secretary of the Southern Cattlemen's association is expected to aid in developing the cattle industry in the southeast portion of the country. The increased recognition which the breeding of good live stock is receiving from commercial sources is hastening progress in stock improvement, according to specialists in the United States Department of Agriculture.

## FARM NOTES

With shingles, as with anything else, it's false economy to use an inferior grade.

Time and material spent in building a suitable poultry house or remodeling or refurbishing the old, will draw good dividends.

When the ration does not contain a sufficient amount of animal protein, the hens molt earlier, regardless of when they were hatched.

The 4-4-50 Bordeaux mixture applied as a wet spray is an effective control for tipburn or hopperburn of potatoes. The spray should be applied when the first injury is noticed.

Dogs now may be immunized against rabies. Ask your local veterinarian and insure the peace of mind of yourself and your neighbors as well as prevent "mad-dog" scares.

It is undesirable to close too quickly the furrows where asparagus roots have been planted this year. Allow the asparagus to get well started and then fill in the trench only gradually when cultivating.

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Each unbroken "Bayer" package contains proven directions. Handy boxes of twelve tablets cost few cents. Drug-gists also sell bottles of 24 and 100.

Actions may speak louder than words, but you can't make a woman believe it.

## ALLEN'S FOOT-EASE

Stops the pain of Corns, Bunions and Calluses. Before putting on your shoes, sprinkle into them some Allen's Foot-Ease and walk all day or dance all evening without the nerve-racking pain of hot, tired, aching, swollen feet. It gives immediate relief. Allen's Foot-Ease the Anti-Septic, Healing Powder for the Feet, takes the friction from the shoes and gives rest and comfort. Always use it for breaking in new or tight shoes. Sold by all drug and department stores. Trial Package and Allen's Foot-Ease Walking Roll sent Free. Address: ALLEN'S FOOT-EASE, Le Roy, N. Y.

Paper and pulp in China are made from bamboo, straw and mulberry barks.

## Captive Monkeys Happy

Monkeys no longer mope in the London zoo since they have had installed over their quarters a roof made of a special glass which lets in the ultra-violet rays. According to Dr. Chalmers Mitchell, director of the zoo, the ultra-violet rays which are excluded by the ordinary window glass, are just what the simians crave and they have responded automatically to the stimulus. They chatter and swing, and hurl their coconuts around with twice the abandon they showed before.

## Hide Mark of Race

A motion-picture company plans the making of a picture called "Good Time Charley," written around a one-famous character of San Francisco. "Good Time" Charley was a mysterious sort of a person who gave sumptuous feasts in San Francisco for no apparent reason, except to give every one a good time. It was noticed that he always wore a kid glove on his left hand. When he died it was discovered that his hand was yellow—he was three-quarters Chinese.

## A Wide Range

Dorothy is a little girl living in North Rural street. She has curly hair, and, of course, is frequently asked that age-old question: "Do you eat bread crusts to make your hair curly?" "Oh, yes," she replied to one inquirer recently. "I eat both the front and the back crusts of the bread."—Indianapolis News.

## To Have a Clear, Sweet Skin

Touch pimples, redness, roughness or itching, if any, with Cuticura Ointment, then bathe with Cuticura Soap and hot water. Rinse, dry gently and dust on a little Cuticura Talcum to leave a fascinating fragrance on skin. Everywhere 25c each.—Advertisement.

## Just the Same

"This is a very fast and pleasurable age, isn't it?" "Yes," returned J. Fuller Gloom, the human hyena. "It is fully as fast and pleasurable loving as your crabbed old grandfather used to say it was when you were a boy."—Exchange.

A lie has no legs and cannot stand; but it has wings, and can fly far and wide.—Warburton.

With some men an emergency is only another name for an opportunity.

At the Beach  
"The true essentials of a feast are only fun and feed." Children will have their fun at the water's edge, and to complete their joy add to a simple lunch a cup of Monarch Cocoa—pure, refreshing, satisfying, delicious.

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**W. N. U., BALTIMORE, NO. 30-1926.**

**Seemed Logical**  
"Why did you send your son into the air service?"  
"Because he is no earthly good."  
A man is never his own worst enemy as long as he can keep his temper.

**His Status**  
"Pa," began little Lester Livermore, who wished to know. "What is a Pharisee?"  
"A Pharisee, my son," replied sage Mr. Livermore, "is a kindred gentleman so elongated of countenance that he can without the slightest difficulty eat out of an old-fashioned dasher churn and does not approve of anything of doubtful propriety that cannot be concealed or kept quiet."—Kansas City Star.

Ten miles an hour was about the best sustained speed that could be made in the first automobile built in the United States.

For bloated feeling and distressed breathing due to indigestion you need a medicine as well as a purgative. Wright's Indian Vegetable Pills are both. Adv.

Doubting charms me not less than knowledge.—Dante.

The first thing a young man learns at college is how other people know.

## IN THE LEAD

Fisher's engineering experts—skilled beyond their calling by virtue of years of continuous research and experimentation with all types of body construction—unhesitatingly aver that none but Body by Fisher—exclusively used by General Motors for Cadillac, Buick, Chevrolet, Oakland, Oldsmobile and Pontiac cars—affords the essential virtues of safety, beauty and comfort which characterize every Fisher product. Quite logically the public knows that when any improvement which really gives an enhanced measure of safety, comfort and luxury is perfected, Fisher will be the first to present it just as Fisher has created and been the first to present every important improvement in body design and construction of the past decade.

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