

## FARM DEPARTMENT

The Chronicle will be glad to print contributed articles under this department head from Golden Valley Farmers. Anything pertaining to grain growing, gardening, or stock raising that will be of value to your neighbors should be sent in and we will gladly give it space without charge. Write on one side of the paper only and mail to "Farm Department," Golden Valley Chronicle, Beach, North Dakota.

### Corn Cultivation in N. Dak.

The third cultivation should follow closely the second in fact. If rains have formed a crust on the ground the third plowing is started just as soon as the last acre has been crossed. We do not like the corn to be more than eighteen inches high when it is plowed the third time. Unless we have a very wet season there are a very few weeds to kill when we start on the third cultivation. Since the dirt should meet it is sometimes necessary to turn the shovels slightly inward, but we try to throw it up as small a ridge as possible. The shovels are run as shallow as is practicable. This plowing is easy and fast; teams often average as much as nine acres in one day.

For the third cultivation the corn is plowed the same way it is planted. Our method of plowing corn the first three times is perhaps the most common method used in the corn belt except that we seldom stop between the second and third plowings. If the first crop of clover is ready to cut before we get over the corn the third time it will have to wait or rot down and enrich the land. We have never felt that we could afford the price of weedy corn to take care of hay that is worth at least eight dollars per ton to let lay as fertilizer. We generally have time to put up enough hay for our own use after the third plowing and before wheat harvest sets in.

### NOW IS THE TIME TO SELL BROILERS.

Surplus cockerels, particularly those of the lighter and more quickly maturing breeds may be marketed now, to advantage. Poultry raisers, particularly those not largely engaged in the occupation, market their surplus cockerels sooner or later. All realize that cockerels of the lighter breeds become a nuisance very early in life and for that reason it is very desirable to get rid of such at the broiler age. This is comparatively easy to do, as broilers are used at all seasons of the year.

While chicks of the broiler size are always salable, it must be borne in mind that they will not always bring the same prices, and that the present is the time of high prices, which—at the top about July 1—drop soon afterwards, and with accelerated rapidity as the season advances. The recent quotations are \$6.50 to \$7 per dozen for the two pound broilers and \$5 or \$6 for one-pound specimens are attractive.

### SAVES GRAIN AND LABOR.

The portable grain bin has been a great help to the farmer in the Northwest. In the grain belt it has provided the cheapest method of storing grain to enable the renter as well as the owner of the land to market his crop as he saw fit. While grain piles are still found during bonanza years still the steel bin has largely taken its place. The big steel tanks now holding 500 to 1000 bushels protect the grain from the weather and stock and as they last many years they soon pay for the investment.

### N. Dak. Doing Her Share

To the United States is allotted the task of feeding a globally share of the world just now. Other nations are spending their time fighting and they must eat. If they do not produce food stuffs they must buy them where they can. The United States according to statistics just made public by the National government state department exported stuffs valued at \$724,000,000 during the eleven months ending June 1.

This was the principal factor in the nation's billion dollar foreign trade balance. The effect of the war is seen in the enormous increase in value of foodstuffs as compared with expert figures for the same eleven months a year ago, when the total was \$423,000,000. Wheat formed the biggest item of foodstuffs sent abroad. In all 249,576,000 bushels were exported, an increase of 164,000,000.

It was valued at \$319,000,000. Oats valued at \$51,000,000 was shipped, amounting to 86,428,000 bushels.

It will be noted that wheat was the largest single item of our food exports and North Dakota always does her share in wheat production.

### CORN'S START POOR; LOOK AFTER IT WELL.

Conditions in June were very unfavorable to the development of the corn crop. Much corn was not planted and that which was planted early came up poorly and many fields had to be replanted. The season was late and cold. As a result the best handling will be necessary now in order to secure even an average crop.

The important point in maturing a corn crop is to keep down the weeds so that the moisture may be available for the growing corn when warm weather comes. It is especially important that the roots of the corn plants should not be pruned and destroyed. Investigations show that each root pruning with the cultivator retards the maturity of the corn by several days and also reduces the yield. Deep cultivation in the middle of the row is allowable early in the season, but after July 1, the cultivator shovels should not run more than two or three inches deep. The cultivation should be frequent to stop the weeds and keep the surface mellow, but shallow to avoid pruning.

### FARMERS ELEVATOR PAYS A 65 PER CENT DIVIDEND.

Minot, N. D., July 7.—At a Meeting of the stockholders of the Minot Farmers' Grain Association a dividend of 65 per cent was declared. The elevator handled 342,000 bushels of grain last year, the most in its history, which speaks well for the manager, Louis Enger, who has just closed his first year with the company.

William Myers and John Wallin were reelected on the board and Berne Solberg was elected instead of John Reed. The company will invest in a new cleaning machine and make other improvements.

### A Few Hot Weather Rules

Load lightly, and drive slowly. Stop in the shade if possible.

Water your horse as often as possible. So long as a horse is working water in small quantities will not hurt him. But let him drink only a few swallows if he is going to stand still. Do not fail to water him after he has eaten his hay.

When he comes in after work sponge off the harness marks and sweat, his eyes, his nose and mouth, and the hock. Wash his feet but not his legs.

If the thermometer is 75 degrees or higher, wipe him all over with a damp sponge. Use vinegar water if possible. Do not turn the hose on him.

Saturday night, give a bran mash, lukewarm; and add a teaspoonful of saltpetre.

Do not use a horse-hat, unless it is a canopy top hat. The ordinary bell shaped hat does more harm than good.

A sponge on top of the head, or even a cloth, is good if kept wet. If dry it is worse than nothing.

If the horse is overcome by heat, get him in the shade, remove harness and bridle, wash out his mouth, sponge him all over, shower his legs, and give him two ounces of aromatic spirits of ammonia, or two ounces of sweet spirits of nitre, in a pint of water; or give him a pint of coffee, warm. Cool his head at once, using cold water, or, if necessary, chopped ice, wrapped in a cloth.

If the horse is off his feed, try him with two quarts of oats mixed with bran, and a little water; and add a little salt or sugar. Or give him oatmeal gruel or barley water to drink.

Watch your horse. If he stops sweating suddenly, or if he breathes short and quick, or if his ears droop, or if he stands with his legs braced sideways, he is in danger of a heat or sun stroke and needs attention at once.

If it is so hot that the horse sweats in the stable at night, tie him outside, with bedding under him. Unless he cools off during the night, he cannot well stand the next day's heat.

### MARKET DAY SUCCESSFUL.

One of the movemenmts which has interested many North Dakota commercial clubs during this spring and summer is the market day. This day when properly advertised and organized brings into town hundreds of possible buyers for the merchants, it makes the country people and the town folks better acquainted and promotes social intercourse. It pays all the way round. One of the latest successes in this line was pulled off in Deering recently. Speaking of its success the Deering Enterprise says:

"Deering's annual market day, held Monday, drew a large repere though large, was jolly and well rounding country and nearby towns, and while a high wind prevailed all day the gathering was one of the largest that ever visited Deering. The crowd, though large, was joll and well ordered and evidently enjoyed the whole day's proceedings as favorable comment was heard on every side."

The Deering program included a band concert, a parade, a big dinner, speeches by prominent men, a ball game and a program of sports, races, etc., all followed by a dance in the evening.

### ORCHARD AND GARDEN.

Sow a little of the Chinese cabbage and endive for fall use.

Spirea Van H'urtei makes a good hedge. It may often be pruned to advantage.

Perennial lupines are among the early flowers and their long flower stalks always attract attention.

The Juneberry is desirable, not only for its spring flowers, but because the birds like it at this time of year better than currants.

Cut out and burn the old raspberry canes as soon as they are through fruiting. Cultivate the young shoots and keep out all weeds.

A mulching of well rotted manure is often put on canna beds about this time of the year. It keeps the weeds down and supplies plant food.

The California poppy is one of the most satisfactory small annuals. Its yellow flowers furnish color for a garden border almost through the summer.

Edward Everett, a homesteader four miles west of Mandan, who disappeared May 27, and was given up for dead by his friends, has written from Emmons county emphatically denying that he is a "dead one."

### Adulterated and Misbranded Food Products and Beverages.

I, E. F. Ladd, chemist of the North Dakota Agricultural Experiment Station and food commissioner for North Dakota, do hereby certify that the list of food products and beverages herein specified have been analyzed during the six months preceding July 1, 1915, and the same found to be adulterated or misbranded within the meaning of the statute, as shown in each individual case.

I further affirm that this is a true and correct list to the best of my knowledge. E. F. LADD, Chemist and Food Commissioner.

Subscribed and sworn to before me this 1st day of July, 1915.

(Seal) ALMA K. JOHNSON, Notary public, Cass county, N. D.

My commission expires Oct. 23, 1917.

### Adulterated and Misbranded Foods and Beverages.

11013—Glucose Apple Jelly, Williams Bros, Detroit, Mich.

### THE CATTALO.

Every stockman in the American Northwest should be interested in the cattalo. What is it?

An animal that is a cross between the buffalo and the cow. It is said to be an improvement upon each. "We are told that it is much more valuable as a meat producer than the common range cattle, cutting 150 pounds more meat on the butcher's block, and as to quality is far superior in every way. It is said to be immune from Texas fever; blackleg and ticks make no impression upon it; it has the buffalo characteristic of facing a storm instead of turning tail and drifting before it; it will subsist on arid ranges and grow fat where the beef animal of today would starve to death. The strain has been perfected, the mechanics of the breeding has been done, and there are being established now breeding herds of these animals from which the range stockman may obtain both male and female animals for the upbuilding and construction of a herd for his range." Beef cattle men, if you have not investigated this animal surely it is worth your while, especially at the present good prices received for range beef.

# To Whom It May Concern

This is to certify that J. W. Brinton, manager of the Farmers' Supply Company of Beach, has filed with me as one of the officers of said company a bond in the sum of TEN THOUSAND DOLLARS (\$10,000.00) given by the AMERICAN SURETY COMPANY OF NEW YORK, payable to the Farmers' Supply Company of Beach, for the faithful and true accounting of all moneys and property coming into his hands as manager, secretary and treasurer of said \* corporation, and that he will truly and correctly account for all money and property of the company over which he has charge. This bond was placed at \$10,000.00 and given at the suggestion and request of Mr. Brinton.

Signed: H. J. WOJAHN, Director.

## FARMERS SUPPLY CO. OF BEACH, N. DAK.

## THE CHRONICLE

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