

Corn Silage for Horses and Mules

Corn silage as a part ration for horses is not new but has been used by farmers and breeders for many years. The need for an economic ration for horses is greater now than it has been in the past. High priced forage and grain, with advanced land values, demand greater economy in feeding.

The question as to the use of corn silage for feeding horses can be best answered by reviewing some of the experiments and tests conducted along this line of work. In Bulletin No. 117 of the Pennsylvania Experiment Station Professor W. A. Cochel gives the results of a horse-feeding test where silage was compared with hay and other forage. In this test twenty-one horses were used and the experiment was so planned that comparisons could be clearly and fairly made. The result of the test, briefly told, can be summed up as follows:

"The horses fed silage as a portion of their ration consumed less grain, made their gains at a lesser cost per pound, were sleeker and better finished than those fed on rations not containing silage."

In this test they noted that silage could be fed in amounts varying from five to twenty pounds per day. They recommended silage free from mould and made from corn fairly well matured. They also advised against feeding horses large quantities of silage, especially after coming in from heavy work when they are in a heated condition.

The Michigan Experiment Station has been feeding horses for many years on silage and favor is use, especially for horses not at heavy work. In a test made some years ago with seven teams of work horses, one horse of each team was fed hay and grain, while the other received small amounts of hay and grain with about fifteen pounds of corn silage. These teams were doing moderate work. The experiment lasted for twelve weeks and the following results were noted.

The silage fed horses showed an average gain of five pounds per head. Besides the increase body weight the drivers noted that the silage fed horses worked fully as well and did not appear to be any softer than those not receiving silage. The silage fed horses showed a better finish and sleeker coats.

Mr. Shaw of Medicine Lodge, Kansas, has for many years been feeding horses and mules on silage. He reports splendid results

and counts corn silage one of the best horse feeds he has ever tried. With the large number he has been feeding, his data is certainly valuable. He has been feeding from thirty to forty head of colts and mares each year, besides a number of mules. His ration is made up of corn silage and alfalfa hay, the principal part being silage.

The horse importing firm of Watson, Woods Bros. & Kelley have the past year been feeding to their imported draft stallions a ration of corn silage. They feed from six to twelve pounds per head per day, and have emptied one silo and are starting the second. Mr. Burkett, the foreman has been caring for imported horses for over twenty years, and reports he has never fed a bunch of horses with better results. He has noted in particular the good gains and fine condition of the animals receiving silage. The horses have been entirely free from ailments of any kind, their coats are sleek and there is a freshness and finish to the animals which is better than he has ever seen. Many of these horses are extremely valuable, but the members of the firm count they are running no risk, provided they feed good silage, and certainly the cost of the ration is greatly reduced.

Among the thousands of silo owners in the United States it is safe to say that a great majority are using silage as a part ration for their horses. Many farmers in the east who have had silos for twenty-five or thirty years report most favorably on the use of this great feed. Especially do they recommend silage for growing colts and mares with colt; and for horses during the winter months, when they work short hours.

It is self evident that horses doing heavy work need a condensed ration especially when they have but a short time for feeding. For this reason large rations of silage to work horses are not recommended. As silage is a watery feed, bulky in nature and succulent like grass, it should be given as grass.

Considering the data already at hand, we can conclude that corn silage is an excellent ration for horses, economic in character and wholesome in use. By using good judgment, the horse feeder will make no error and will be better off financially if he adopts the silo.

JOHN BOWERS.

and co-operative work is the great need of the farmers. Any community that is interested in the Grange and that desires to have one organized should write to W. C. Picking, Sunnyside, Wash.—North Dakota Agricultural College.

COMMISSIONER'S PROCEEDINGS.

Beach, North Dakota, May 5th, 1913, 9 a. m.

May 5th, 1913, 9 a. m. Meeting called to order, Present: A. J. O'Keefe, E. Egan and O. C. Kucheman.

The following resolution was offered and adopted: Resolution: It appearing that the County Auditor has made collections of the following named seed lien given to Billings county, to wit: A. E. Scheffer on the SE 1/4, 10-137-106 for \$199.89 with interest of \$11.67 and it further appearing that the amount collected for said lien belongs to Billings County, therefore be it resolved: That the Auditor be and is hereby authorized and instructed to draw a warrant on the General Fund in favor of Billings County for said \$211.56, so collected. Resolution adopted.

The matter of refunding personal property tax to Adolph Timpe was referred to the Auditor for investigation, and further consideration. Adjourned to meet at 2 p. m.

2 o'clock p. m. the chairman of the board of supervisors of the different townships met with the Commissioners and considered the construction and repairing of bridges and roads in the different townships but no definite steps were taken other than that the chairman were instructed to ascertain, as near as possible, the number of culverts needed in their respective districts and report same to the auditor for the next meeting of the Commissioners. Moved and seconded that the County Auditor be authorized and instructed to advertise for bids on the furnishing of culverts in car load lots, said bids to be opened May 17th, in two issues of the official papers of the County.

The petition of Fred J. Gaary, et al for bridge was referred to Civil Township of Lone Tree for consideration.

The report of C. K. Barnett, deputy sheriff of Golden Valley county for civil fees collected, was accepted and ordered filed.

The report and affidavit of John J. Madison, sheriff for expenses in transporting convict William Rogers to the State Penitentiary was OK'd by the Chairman of the Board, in the amount of \$22.50 and given to the sheriff to forward to the State Auditor, for payment.

The petition of the Town of Sentinel Butte, praying for the issuance of an order incorporating the town of Sentinel Butte was considered and the following order was drawn: Order: Be it resolved by the Board of County Commissioners, in regular session assembled, this 5th day of May A. D. 1913, that:

WHEREAS, a petition was duly filed with the Board of County Commissioners within and for Golden Valley County, state of North Dakota, on the 7th day of April A. D. 1913, praying for the organization and incorporation of the village of Sentinel Butte, be organized out of the territory described in said petition and being within the County of Golden Valley and State of North Dakota; and whereas the said Board of County Commissioners did, on the 10th day of April, A. D. 1913, make an order authorizing an election to be held on the 26th day of April, A. D. 1913, for the purpose of determining whether or not the said described territory should be organized and incorporated as a village, and whereas the said order and notice thereof was duly published in the "Sentinel Butte Republican" a weekly newspaper published in said County of Golden Valley, and ten copies of said notice and order were duly posted in ten public places within the territory described in said proposed incorporated village not less than ten days prior to the date therein set forth for said election, April 26, 1913, and it appearing that the Board of County Commissioners that said election was duly held in accordance with said order and notice on the 26th day of April, A. D. 1913, and that three inspectors were elected at said election and that the result of said election upon the proposition as to whether or not the said proposed territory should be incorporated as a village, as shown by the return made by the said inspectors and duly verified by the affidavit of said inspectors and returned to the Board of County Commissioners at its next regular session thereafter, was for the incorporation of said proposed incorporated village.

BE IT THEREFORE ORDERED, That the said territory described in said petition, the same being the following described territory, to-wit: Beginning at the quarter section corner of Section twenty (20) and twenty-nine (29), township one-hundred-forty (140), North, Range one-hundred-four (104) west of the fifth principal meridian, going thence due north along the quarter section line of the south-west and southeast quarters of said section twenty (20) to the intersection of the quarter section line of said section twenty (20); thence, due west along the quarter section line of the south-west and the northwest quarters of said section twenty (20) to the quarter section corner of said section twenty (20) and section nineteen (19) of said township and range and continuing due west on the quarter section line of the southeast and the northeast quarters of said section nineteen (19) to the intersection of the quarter section lines of said section nineteen (19) thence due south along the quarter section lines of the southeast and the southwest quarters of said section nineteen (19) to the quarter section corner of said section nineteen (19) and section thirty (30) of said township and range, and continuing due south along the quarter section line of the northeast and northwest quarters of said section thirty (30) to the intersection of the quarter section lines of said section thirty (30) thence due east along the quarter section line of the southeast and the northeast quarters of said section thirty (30) to the quarter section corner of said sections twenty-nine (29) and thirty (30) and continuing due east along the quarter section line of the southwest and the northwest quarters of said section twenty-nine (29) to the intersection of the quarter section lines of said section twenty-nine (29); thence due north along the quarter section line of

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Boy Kills Self While Hunting

William Harris of Chicago Shoots Himself While Hunting Near Oakdale.

The thirteen-year-old son of W. A. Harris of Chicago, accidentally shot himself Sunday, at the home of his uncle near Oakdale, where he and his father were spending a short vacation. The father and uncle, Fred Harris, brought the remains to Dickinson and left for Chicago.

W. A. Harris, who owns land in the vicinity of Oakdale in which his brother Fred Harris is living, came out from his home in Chicago a short time ago, bringing his thirteen-year-old son William with him. William had never been away from Chicago before and was thoroughly enjoying the country. On this particular day he was hunting. He had a small 22 rifle and it was another case of thinking that all the shells were gone. He was leaning over fumbling with the gun when it discharged, the gauntlet glove which he wore, probably caught in the hammer. The discharge struck the boy in the end of the nose glancing up from there to his forehead passing through his skull.

Everything was done to save the boy's life but death claimed him about an hour after the accident. Mr. Harris has a wife and three other children in Chicago where he is engaged as a contractor.

SENTINEL BUTTE REPUBLICAN.

Considerable very good work is being done now on the roads in this vicinity. Contractor Brier has a large crew at work. Surveyor Plomason is still working and a lot of needed improvements will be made this year.

Some miscreant stole 40 bushels of seed wheat from E. Leuenberger recently. Mr. Leuenberger was all through seeding with the exception of this amount—and he says he hopes the thief will treat the seed as there was some smut in it.

Mrs. Perry McHenry was operated upon last week at the Dickinson hospital, for appendicitis. Mr. Stoddard and Mr. McHenry went down with her and stayed until after the operation, which was very successful and it is expected that she will be able to return home within the usual length of time.

Martin Hess, one of the progressive farmers of the Burkey country, received a large shipment of Russian flax this week from Montana, and will sow 300 acres on his farm. This Russian seed is something especially fine and Mr. Hess anticipates an excellent crop.

Miss Clara Hansen left last Saturday for her home at Wyanet, Illinois, after having completed a most successful term of school in the Lundin district. Miss Hansen reports an exceptionally good attendance during the eight months term. Ruby Lundin was neither absent nor tardy and many of the other pupils made very good records.—Wahpeton Globe-Gazette.

WILL CHANGE NAME.

It is stated that the name of the town which will go up on the townsite now called Golden Valley, will not bear that name. It was thought that this name would be given the place, but the N. P. and the postoffice department both seem to think a more generally satisfactory name can be found, this one being rather long and compound, and conflicting some with county by the same name in the western part of the state.—Mandan News.

WHY A GRANGE.

The Grange is a well established farmers' organization. In fact it is the only national farmers' organization. In many states it has done much to improve country life conditions. The Grange provides social life for men, women and children. It makes farm life more interesting and attractive to boys and girls. Through its long continued work it has developed educational and social features that are especially well adapted to rural meetings. Social life

<p>EDW. E. EGAN, O. C. KUCHEMAN.</p> <p>Attest: M. McCARTHY County Auditor, by R. Halstead, Dpty.</p> <p>The following bills were OK'd, accepted and ordered paid by warrant: Hugh Egan, rent for month of May \$150.00 George Christensen, trip to Dickinson and return 4.20 Golden Valley State Bank, R. R. fare of A. S. Sjoberg, an invalid to Mora, Minn. 20.00 H. P. Burt, stenographer in justice court, 4 days 20.00 City of Beach, hall rent up to March 1st, 1913 20.00 H. L. Halliday, state's attorney</p>	<p>trip to Dickinson 3.20 A. B. MacNab services on board of health 26.00 J. M. Baer, for plats and maps for county offices 75.00 State Hospital for insane, care of O. A. Anderson 45.00 The following bills were presented but continued for consideration at the next meeting: R. E. Walker, coroner's fee & mileage, A. B. Gordon \$16.80 R. E. Walker, coroner's fee & mileage, Baby Gasho 24.60 County Surveyor, work not complete 16.00 The Oakes Times, Extra paper of state 3.75 6:30 p. m. adjourned to meet May 17, 1913, at 9 a. m.</p>
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