

Value of dung.—I mentioned lately the fact that, in Montreal, the usual contract price for the manure of each horse in the stable of the City Passenger and other companies was \$2.00 a year. Now, I find in the bulletin of the New-York Experiment Station the following statement of the theoretical value of the manure of 1000 lbs. of each kind of animal usually kept on the farm:

"The product from horses in stable would be \$19.12; from horses at work, \$11.47, their droppings outdoors not being included. From cows, \$29.82; from sheep, \$38.55; and swine, \$17.11. The 1,000 lbs. of living swine giving so much less manure in quantity than the other animals is one reason their yearly manure is smaller in value. The value of the manure by the ton is much the greater from sheep. There are many other interesting facts given in this bulletin, in connection with the value, amount produced, loss by exposure, composition and other particulars in connection with farm manures, which the want of space forbids noticing."

From this I deduce that the manure of an ordinary cow produced in a year is worth as much as one ton of plain superphosphate, plus nearly five cwts. of sulphate of ammonia. I confess I would rather have the two latter articles.

Rye and wheat.—A. J. C., a correspondent of the *Country Gentleman*, does not hesitate to make the following heretical statement, and, which is still more extraordinary, the editor of that widely circulating paper, allows the statement to pass unnoticed:

"Many farmers who raise wheat do not like to have rye on the farm. For in such a case, wheat is likely 'to turn to rye, just as it does to chess in like circumstances.' Does wheat ever turn to chess? What is chess? I have grown rye side by side with wheat over and over again, and have seen the two crops hundreds of times ripen their grain on the same farm, but I never even heard before of the one being metamorphosed into the other.

Effects of frost on corn-fodder.—At the Sorel meeting of the Dairymen's Association of the Province of Quebec, Mr. Fisher, speaking of the effects of frost on silage-corn, stated that, "on one occasion, his corn had been severely frozen, but, in spite of that, his ensilage was almost as good as usual. He did not think that a little freezing was very injurious to corn, though he preferred that it should escape frost altogether."

At one of the American Experiment Stations, analyses of samples of corn from cuttings made October 24th, somewhat frosted, and November 13th, after several severe frosts, showed a loss of 31% of the albuminoids, 9.7% of the crude fibre, 22.7% of the carbohydrates, 47.6% of the fat, and 33.4% of ash in the crop harvested November 13th.

The bulletin from the same station remarks that on September 13th, the total dry matter per acre in King Philip corn was nearly as great as in the B. and W. though the former was 9 feet high and the latter 13; while it is probable that each pound of dry matter in the King Philip was worth enough more than an equal weight of the B. and W. to make up for most of the difference in weight. "This," the bulletin adds, "would seem to indicate that corn that will ripen should be cut as soon as it glazes, while the larger silage-corn should in this latitude (N. Y.), be allowed to stand as long as possible.

It is, I think, clear that by the time the corn has begun to glaze, all the nutriment that ever will be contained in the whole plant—stem, leaf, cob, and grain—has been taken up from the air and the soil, and that there is no need of waiting any longer before harvesting the crop.

ARTHUR R. JENNER FUST.

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