

specially, mangle the lungs in cutting them for in this case the air slips in between the lobules, and forms emphysema, where there naturally was none. Secondly, the corruption in the stomachs is so great, even with the animals which are killed at the slaughter-house, that no time must be lost in opening them if one wishes to conclude anything with certainty.

It appears to be demonstrated that in all ruminating animals which have four stomachs, the internal membranes seem to come off in twenty-four hours after their death. I invite you to follow if you have the opportunity, the advice of the illustrious Guelicke (page 717) to open animals, the second, third and fourth day of their sickness, in order to follow progressively that which takes place in the intestines. We should also open those which have survived the disease, and that as soon as possible after their cure is assured. But such observations can only be made with the support of the government, because they are beyond the power of a private individual.

(To be continued.)

1879. - SEEDS. - 1879.

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After the land has been properly prepared for the crop, sow in the fertilizer at the rate of 250 pounds per acre, on average good land, sowing it broadcast in the same manner that the grain is sown, and at the same time, and harrow in both thoroughly. On sandy lands the fertilizer should be applied more heavily, say 300 pounds per acre.

FOR TOP-DRESSING GRASS LAND.

Apply from 250 to 350 pounds per acre broadcast, according to the strength of the land. The application should be made in the spring, just before or just at the time when the grass commences to grow. Wherever practicable, the land should be harrowed over immediately after broadcasting the fertilizer.

FOR RYE, BUCKWHEAT AND BARLEY.

These crops, exhausting land faster than wheat and oats, and requiring a stronger soil, need more fertilizer. Make the application at sowing time, the same as for wheat and oats, but for RYE use 300 to 350 pounds, and for Buckwheat and Barley from 350 to 400 pounds per acre, according as the soil is clay or sandy in its nature.

FOR CORN, ETC.

Apply say a tablespoonful of the fertilizer at the time of planting, dropping it in the hill slightly scattered, and covering with from two to three inches of dirt, and then plant the corn on top in the usual way. In the United States it has been found to help the increase materially by making a second application of the fertilizer at the time the corn is about knee high—chopping it into the hill with a hoe—and we would recommend this second application to the farmers of Nova Scotia. For beans, peas, tomatoes, cabbage, and other summer vegetable, not root crops, apply about the same quantity per hill, or if drilled, in the proportion of at least 500 pounds per acre.

THE ROOT CROPS.

Turnips, Potatoes, Carrots, etc., require first of all that the land should be well worked up before planting. After this preparation has been made, drill in the fertilizer at the rate of 400 to 500 pounds per acre, covering with dirt from 3 to 4 inches, then plant your crop in the usual manner.

CAUTION.—Remember that with Vegetables and Root Crops the same rule as regards the soil applies—that the fertilizer must be used nearer the surface, and in larger quantities on sandy lands. In no case, (except small grain, wheat, oats, etc.) allow the seed to come in immediate contact with the fertilizer.

April 15th, 1879.

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