









Save Your Wheat from Rust.

I have been investigating the subject of wheat and oat rust for several years, and since its first appearance last Spring I have had this fungus under close and constant inspection.

It is generally conceded, other things being equal, that rust is worse in a wet than in a dry season.

I have noticed that if, from the exposure of the roots or from other causes, the plant is checked in its growth the epidermis becomes rough like the bark of a stunted shrub; also that the rust attacks such stalks earlier and more severely than the others.

The spore which propagates this fungus is extremely small, and floats in the air like dust.

As these spores move through the air, if they come in contact with wet or rough stems, they may, and often do, stick until they can fasten themselves to the upright stem, or culm, which they attack and produce "killing rust."

If the stem soon dries, they are apt to be blown off, unless the former is rough, and no serious harm is done.

The spores usually fall on the upper side of the blade and produce "blade rust." This injures the plant, but not so seriously as when the culm is attacked.

If they fall between the stem and sheath they soon die for want of air and light, and the plant is not injured by them.

Those are the facts, now for the remedies.

1. We have already suggested to the public several times that these spores can be destroyed, to a very great extent, by burning our woods and old fields, and we enter here into no further discussion of that subject.

2. The plant should be made as vigorous as possible, so as to render the epidermis smooth, and thereby prevent the attachment of the spores.

1. To prevent root exposure (and consequent rough epidermis) by the freezes and thaws of Winter, let our farmers plant a smaller area and break the land thoroughly before seeding.

Then let the seed be put in with harrows; or if plows be used, they should be small, and the land should be rolled or brushed after seeding.

2. To secure a vigorous growth, the land should be rich and the basis of the fertilizer used should be either stable manure or wood ashes.

as well satisfied that this evil can also be reduced by the proposed burning and by a superior mode of culture.— J. W. Glenn in Jefferson Forest News.

Just as Repressures.—Steels & Price put Flavoring Extracts in the market just as represented; their bottles are full measure, hold one-half more, and are three times the strength of those ordinarily sold.

THE GENUINE DR. C. McLANE'S Celebrated American WORM SPECIFIC OR VERMIFUGE.

SYMPTOMS OF WORMS. THE countenance is pale and leaden-colored, with occasional flushes, or a circumscribed spot on one or both cheeks; the eyes become dull; the pupils dilate; an azure semicircle runs along the lower eye-lid; the nose is irritated, swells, and sometimes bleeds; a swelling of the upper lip; occasional headache, with humming or throbbing of the ears; an unusual secretion of saliva; slimy or furrowed tongue; breath very foul, particularly in the morning; appetite variable, sometimes voracious, with a gnawing sensation of the stomach, at others, entirely gone; fretting pains in the stomach; occasional nausea and vomiting; violent pains throughout the abdomen; bowels irregular, at times costive; stools slimy; not unfrequently tinged with blood; belly swollen and hard; urine turbid; respiration occasionally difficult, and accompanied by hiccup; cough sometimes dry and convulsive; uneasy and disturbed sleep, with grinding of the teeth; temper variable, but generally irritable, &c.

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MAIL TRAINS. Leave Raleigh at 9:30 A. M., Arrive at Canton at 12:40 P. M., Leave at Raleigh at 6:15 P. M.

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