

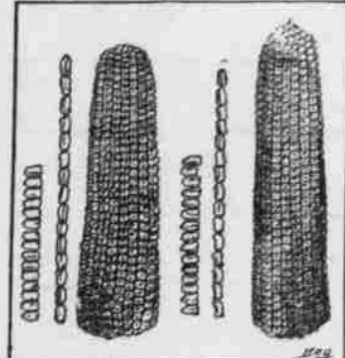
VITALITY IN CORN.

Good Looking Seed Ears Not Always Sure Producers.

The low average yield per acre of corn graphically illustrates the necessity for improvement, provided it can be effected with a reasonable degree of economy.

It is just as important to select and grow a pure and perfect type of corn as it is to select a well formed ear of perfect type of dairy animal for breeding purposes.

Farmers have pretty generally been accustomed to think they could pick out a good ear of seed corn with reasonable certainty.



GOOD WESTERN CORN. These ears of seed corn present a fine physical appearance.

out a good ear of corn before they are carefully instructed and trained in the vital points both as to desirable qualities and defects.

All this leads to scientific corn testing. While good farmers may judge the vitality of corn with much correctness by its appearance, it is maintained by many who have made a study of this point that the germination test is the only accurate method of judging vitality.

RIGHT FERTILIZING.

Handsome Profits and Often Enormous Returns Follow.

A Goss of Indiana reports some very interesting data on the use of fertilizers obtained by experience during a number of years past in the northern part of the state.

The turning under of leguminous crops was found to be the cheapest means of supplying gains and other nonleguminous crops with nitrogen.

Experiments with untreated rock phosphate in comparison with acid phosphate indicate that the untreated phosphate is a cheap and effective source of phosphorus where immediate returns are not required.

Similar results were secured with applications of potash, and the conductivity of the soil.

Apparagus and Rhubarb. Plantations of apparagus and rhubarb may be set during April and May.

Rapid changes of temperature are hard on the toughest constitution. The conductor passing from the heated inside of a trolley car to the icy temperature of the platform.

Scott's Emulsion strengthens the body so that it can better withstand the danger of cold from changes of temperature.

It will help you to avoid taking cold.

ALL DRUGGISTS: 50c. AND \$1.00.

Farm and Garden

POPULAR POTATOES.

Conditions That Develop a Big Crop of Fine Tubers.

By W. T. MACOUN.

Before beginning to grow potatoes it is important to know something about the potato plant and its habits in order that it may be cultivated intelligently.



UNCLE SAM.

[A prodigiously heavy cropper and sometimes called the handsome potato grown tubers white, dry and floury, of fine quality and uniform size.]

stems above ground and underground stems or rhizomes, on which the tubers are borne.

As the underground or tuber bearing stems bear no roots, they must depend for their development on the root system of the plant and the leaves and the plant food which these bring to them.

The potato appears to thrive best in a moist, somewhat cloudy and temperate climate, but provided there is sufficient moisture in the soil and the growing season is long enough it is not at all fastidious in this respect.

The potato requires a large amount of moisture to develop a large crop of potatoes, and for this reason the soil should be retentive of moisture.

They succeed well after sod also, as the decaying sod gives somewhat the same condition as new land.

Clay and clay loams are not so suitable to the potato crop as the warmer sandy loams and gravelly soils, as they are usually colder, and as a rule being stiffer, the tubers are not as even in shape or as smooth.

During a four years' test Irish Cobbler was the most productive among six early and extra early varieties.

Varieties which are comparatively free of blight are American Wonder, Enormous, Sir Walter Raleigh and Uncle Sam, all late kinds.

Vermont Gold Coin is particularly worthy of notice. It is very productive and in appearance somewhat like Carman No. 1.

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Every quarter section farm should have a flock of sheep numbering from thirty to sixty.

"God helps those who help themselves" is nowhere given a more exact application than in the case of the fellow who thoroughly tests his seed corn.

A GOOD WORD FOR THE DEVIL. They possess an unfortunate disposition who are so warped or jealous that they can see little or no good in their fellows.

Under the provisions of the Carey federal irrigation act there will be offered for sale by the government this spring 412 forty-acre farms in the Yellowstone river valley.

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