

Home Course In Modern Agriculture

XI.—Bacteria—How They Affect the Farmer

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WE hear a great deal of bacteria or germs...

Bacteria are tiny plants, each composed of a single cell.

cannot move at all, some move by twisting themselves about...

Bacteria are made up of a clear, jellylike material called protoplasm.

Bacteria propagate themselves by dividing. One cell divides into two.

At times the part of the protoplasm of a germ will gather into a round, comparatively hard mass, called a spore.

Bacteria, like higher plants, have definite requirements for growth.

Not all bacteria are injurious. Although some of man's most deadly enemies are found among these invisible micro-organisms...

Other micro-organisms in the form of yeast are a necessary help in bread-making.

The bacteria which cause milk and cream to sour are also useful.

The sawmill of Fred Schaffer at Molalla was burned to the ground Wednesday afternoon...

A Scalded Boy's Shrieks horrified his grandmother, Mrs. Maria Taylor...

Premiums for Pupils. The Canby Canal Company and S. M. Ramsby Offer Prizes.

Kills Her Foe of 20 Years. "The most merciless enemy I had for 29 years," declares Mrs. James Duncan...

often found in milk that are not. The first variety will always be plentiful enough anyway...

One of the most important methods of doing this is by cleanliness. The milk pails and strainers and the separator should be thoroughly cleaned every time they are used.

After the dishes have been scalded they should be placed in the sun for several hours.



much sunshine as possible in the milk room and cow stable also.

The stable where the milking is done should be cleaned and aired every day. A coat of whitewash should be applied occasionally...

There are bacteria everywhere—in the soil, in the air and in the water.

Many creameries and city milk dealers practice pasteurization. This simply consists in heating the milk to as high a temperature as possible without scalding it.

The first step in avoiding infection by disease-producing bacteria, then, is to keep the animals healthy by proper feed, exercise and shelter.

Wounds, such as wire cuts, need special care to prevent infection.

The germ problem, like the problem of weeds and insects, is easily solved if it is gone at in the right way.

Let the scientists do that. Let the scientists do that.

CITY SCHOOLS CLOSE ON FRIDAY, JUNE 11

TEACHERS FOR COMING YEAR WILL BE ELECTED NEXT MONTH.

The board of directors of the city schools has decided to close the schools Friday, June 11.

Teachers for the coming school year will be elected Monday evening, June 14.

The monthly business meeting of the Firewood Progressive Association will be held Saturday night, May 15th.

There will be no commencement exercises for the 1909 graduating class this year.

GERMANS MEET SUNDAY.

Members of Deutsche Verein Enjoy Day and Evening.

The Deutsche Verein met at Knapp's hall Sunday afternoon, for the first time in the past two months.

The hearing in the suit of A. N. Johnson against Mayor Heylman and the five councilmen of Estacada, went over in the Circuit Saturday and will probably be heard next week.

The recall notices against Mayor W. A. Hellman and the entire City Council were posted by City Recorder A. N. Johnson Saturday.

Baseball Club Practice. The newly organized base ball club is practicing faithfully for the coming season.

Recall Notices Posted. Estacada to Hold Special Election on Saturday, May 15.

MR. NELSON EXPLAINS. Warrants Drawn For His Son Went to Miss Ella Shaver.

MULINO, May 10.—(Editor Enterprise.)—I saw a report by E. C. Hackett that my son Fred J. Nelson, had drawn a salary of \$60 per month in Clatsop County while he was working in Clatsop County.

They Like the West. Mr. and Mrs. J. H. Fawcett, of Stewartville, Minn., who have been spending the winter in Southern California...

LOOKING ACROSS GEYSER BASIN AT HORTICULTURAL HALL. No fairer scene can be offered any place than the outlook from the foot of the Alaska Monument...

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Estacada and Eastern Clackamas

ESTACADA. The Norcross family was quarantined Saturday on account of scarlet fever having attacked some of the members.

The dance given by the baseball club Saturday evening at the pavilion was well attended.

F. M. Gill returned from Dufur Saturday accompanied by Mrs. Gill and daughter left Sunday afternoon for McMinnville to attend the State Grange.

Edwin Bates has been appointed Justice of the Peace of district No. 14 to fill the vacancy caused by the resignation of F. M. Gill.

FIRWOOD. The work that is being done on the road between Firwood and Firwood saw mill is quite an improvement.

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DODGE. The Roley & Horner Mill Co. had the misfortune to break one of the gear wheels to their mill.

The telephone line in Dodge is disconnected from the Estacada central.

M. Park made a trip over to Elwood Monday and brought back a calf that was driven over from Dodge.

The school board of district No. 75 met Saturday to receive bids for furnishing the school grounds and cutting the school wood.

ESTACADA CASE GOES OVER. Hearing on Local Municipal Scrap Will Come Up Next Week.

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OUR FARMERS' PAGE.

ENTERPRISE READERS ARE INVITED TO CONTRIBUTE AGRICULTURAL, HORTICULTURAL, LIVESTOCK, POULTRY, DAIRY OR "BIG CROP" ITEMS FOR THIS DEPARTMENT.

Song of Spring. The happy birds are singing On every branch and tree.

In far-off fields and meadows Spring tiny shoots of grain, And soft the sunshine glimmers

The happy earth beguiles us With smile, and then with tear; We join in all this gladness, Spring, happy spring, is here.

Snow, snow, down from the apple trees, Pink and white drifting of petals sweet!

Kiss her and crown her our lady of blossoming, There as she sits on the apple tree sweet!

Be sure to make successful sowings of sweet corn, peas, etc.,—say two weeks apart.

At the end of a bed of seeds, drive down a stake and slip the empty seed bag over the top of it to help you remember what you have sown there.

Flower stalks in rhubarb plants should be removed whenever seen, so that the plant's strength will not be wasted in the useless formation of seeds.

Shallow cultivation is best,—about two inches deep. All fruits that are not mulched need to be hoed or cultivated at intervals of ten days or two weeks.

Make the rows long and straight, so as to use the horse-cultivator or the wheel-hoe to the best advantage.

After each rain, or about once in ten days any how, do not plant big blocks of any one variety of fruit.

Children Cry FOR FLETCHER'S CASTORIA. City Letter List.

List of unclaimed letters at the Oregon City Post Office for the week ending May 8, 1909.

COMFORTING WORDS. Many an Oregon City Household Will Find Them So.

To have the pains and aches of a bad back removed; to be entirely free from annoying, dangerous urinary disorders is enough to make any kidney sufferer grateful.

It is the farmer that keeps things stirred up that raises the biggest crops.

Very fine flower seeds can be easily and evenly sown by the use of a dredge box.

Some men marry a girl because she is a great talker. Better get a talking machine; you can stop it when you get tired.

Don't leave an ax sticking where

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