

Home Course In Live Stock Farming

IV.—Animal Parasites.

By C. V. GREGORY, Author of "Home Course in Modern Agriculture," "Making Money on the Farm," Etc.

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There are two general classes of parasites that affect animals—external and internal. Chief among external parasites are lice. These live in the hair next to the skin, feeding on it and causing the animal great annoyance. Not only that, but animals badly affected with lice run down greatly in flesh, look bad and soon become money losers for their owners. There are many kinds of lice affecting horses, cattle and swine, with a few species that confine their attention to sheep and goats. These lice are of two kinds—sucking and biting. The treatment is much the same for both kinds, so that it will not be necessary to treat them separately.

Lice are sometimes difficult to find, even when they are present in considerable numbers. This is especially true of long haired animals. The neck, shoulders and root of tail are the places most frequently affected.

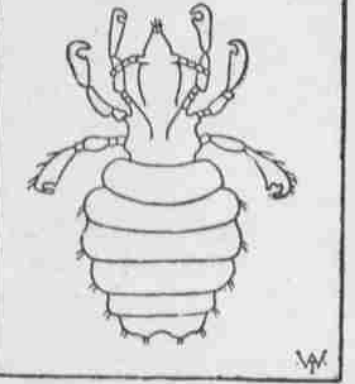
Remedies For Lice.

One of the best remedies for lice on hogs and cattle is crude petroleum. That which has been prepared especially for this purpose by having some of the kerosene taken out is best to use. It can be purchased for about \$5 a barrel. The oil can be applied with a spray pump or with a paint brush, care being taken to see that the animal is thoroughly covered. Only one application is necessary, since the oil will adhere to the hair for two weeks or longer, killing the young lice as they hatch.

This treatment, because of its greasiness, cannot be applied to horses that are being used nor to milk cows. For these kerosene emulsion is a good remedy. It is prepared as follows: Dissolve one-half pound of soap in one gallon of boiling water. Remove from fire and add two gallons of kerosene. Churn violently with a spray pump or paddle until a white, creamy mass is formed. This is prepared for use by adding nine parts of water to one of the mixture. It can be applied with a brush or rag when only a few animals are to be treated. If many are affected they can be shut in a small yard and soaked thoroughly with a spray pump. A second treatment at the end of eight days will be necessary to kill the young lice that hatch. Any of the coal tar dips can be used in the same way. Crude carbolic acid diluted with 100 parts of water is also a good remedy for lice.

These liquid applications cannot well be used in winter, and it is at that time that the lice are the worst. They often become especially troublesome on coats toward spring. Pyrethrum, or insect powder, dusted into the hair will kill many of the parasites. Tobacco dust may also be used. Sulphur and lard, mixed to form an ointment and rubbed into the infested places, are effective.

The simple way to handle lice on hogs is to dip them. A dipping tank can be cheaply made by digging a hole the required size and putting a thick layer of cement on the inside. The end at which the hogs come out should be sloping, with cleats to give them



a toe hold. The tank should be deep enough so that they will be completely submerged. By having a chute leading up to the tank a herd of hogs can be dipped in a very few minutes. Coal tar dips are as good as anything for this purpose. The dipping will have to be repeated in eight to ten days. Such a dipping is also effective for

Look for the Blue Signs, two doors South of Postoffice, Main Street, Oregon City, Ore.

High Cuts--Boys' Shoes

Here's just a few of the mammoth price reductions in evidence throughout our Shoe Stock, of which these great offerings on high cuts and boys' shoes are but the least.

- Men's regular \$5.00 High Cuts, a great sale reduction, the pair... **\$3.98**
- Boys' High Cuts, regular \$3.50 and \$4.00 values at this sale for... **\$2.98**
- Boys' regular \$2.00 Shoes go at this low price, pair... **\$1.43**
- Boys' regular \$2.75 and \$3.00 Shoes go at this sale for only... **\$2.23**
- Boys' regular \$2.50 Shoes go for this low price, per pair... **\$1.73**



Save on Men's Shoes

Enormous savings on every hand great the eyes as they glance through our Shoe Department, where the most amazing bargains on stylish, worthy Footwear are to be found.

- All of my regular \$5.00 Shoes go at this big sale for... **\$3.98**
- All of my regular \$4.00 Men's Shoes go at this sale for, pair... **\$3.15**
- All of my regular \$3.50 Shoes for Men's go at this low price... **\$2.89**
- All of my regular \$3.00 Shoes go at this sale for only, pair... **\$2.23**
- All of my regular \$2.50 Men's Shoes go at this sale for, pair... **\$1.98**

Must Move Jan. 1--Amazing Reductions

Still Greater Than Ever to Effect Immediate Clearance of All Goods

NEVER AGAIN WILL YOU HAVE SUCH A STUPENDOUS BARGAIN OPPORTUNITY. LOOK FOR THE STORE WITH THE BIG BLUE SIGN.

SEE WINDOWS

I have bought the entire stock of Rosenstein's Store and must take possession January First, when I will move the balance of my present stock to that location. In order to effect a speedy clearance—to reduce my stock as low as possible—I have cut more deeply than ever into the prices of my Men's wear, Shoes, Children's wear, Hats Trunks, bags, Suit Cases, etc. Note the monstrous price cuts on my Men's and Boys' Suits—competition defying reductions that you cannot duplicate hereabouts. Do not miss attending this wonderful price cutting event—my entire stock is on sale to go at almost your own figures, for everything must go regardless of cost as I do not want to move a thing if it can be avoided. Take advantage NOW of this wondrous sale event. Look for the place with the blue sign, two doors south of Post Office, directly opposite First National Bank.

BUY NOW WHILE STOCKS ARE COMPLETE—THE GREATEST COMPETITION DEFEATING SALE EVER HELD IN OREGON CITY FOR YEARS.

SEE WINDOWS

All Men's Suits Reduced Lower Ever Before

I do not want to have to move a single Suit or Overcoat, hence these mammoth reductions that are still lower even than the marvelous price-cutting which has prevailed at my Third Great profit-sharing Sale, which has startled all Oregon City and vicinity by the tremendous bargains offered. Remember, this sale embraces my entire stock of famous "Society Brand" and "Schloss Bros." Clothes for men, at unheard of before price cuts.

Boys' stylish Overcoats, nicely made, military collars, sizes 8 to 12 years. A regular value at \$8.50, one that others sell for about \$10.00. To go while they last at this sensational sale for **\$6.25**



Tremendous Reductions on Boys' Suits

My line of clothing for the boys and little fellows is the best in the city—without a doubt—and the mere fact that I am cutting deeply into the prices of these garments should make it to your advantage to make immediate inspection of these nobly garments, for you will find every garment stylishly, strongly and well made, suits for boys that will stand the strenuous plays of the little chaps. Note these big price cuts and you will find that I have mercilessly used the price knife on every value. Come.

- Boys' Knickerbocker Suits, regular \$3.50 values at... **\$2.25**
- Boys' Knickerbocker Suits, regular \$6.00 values at... **\$4.85**
- Boys' Knickerbocker Suits, regular \$4.50 values at... **\$3.35**
- Boys' Knickerbocker Suits, regular \$7.50 values at... **\$5.35**



SEE WINDOWS

Boys' Overcoats Reduced--Values to \$8.50 at \$6.25

All Overcoats, boys' and men's, are included in this sensational selling event. You'll find it more than to your advantage to buy now. 'Twill well pay you to purchase an extra Overcoat for next year, so great are the enormous reductions offered. Read and take advantage of this great extra special on Boys' Overcoats for this week's startling sale. We stand back of every garment sold, making purchasing safe for you.

Regular \$25.00 Men's Suits at this sale now for only \$17.85; regular \$20.00 Men's Suits for only \$14.35; regular \$15.00 Men's Suits for only \$9.95, and my regular \$12.50 Suits at this amazingly low price, only **\$6.45**

Signs of Progress

The way to build up Roseburg or any other city is to go right ahead and build it up. There is no need speculating upon what may or may not happen in event we do certain things—simply keep pushing ahead, advertising, building—working," says the Roseburg Review.

La Grande Observer: Several important deals in realty have been made here this week indicating that Elgin dirt is in great demand. This includes resident property in Elgin and several parcels of land surrounding. With apples to instill action, Elgin is experiencing a genuine boom.

McMinnville Telephone-Register: A tract of 311 acres of Willamette valley land, located southwest of McMinnville and northwest of Sheridan has been purchased by the Northwest Land Improvement Company of Tacoma for \$17,180 from C. W. Hodson of Portland. The land is located in the heart of a fruit and walnut district which has been increasing in importance steadily. It is the intention of the buyers to plat the entire tract into five and ten acre tracts, and to set the entire tract to walnuts and fruit.

Nineteen million five hundred thousand trees were growing in the commercial apple orchards in Washington, Oregon, Idaho and Montana at the close of the season of 1909, distributed as follows: Washington, 9,000,000 trees; Montana, 4,000,000 trees; Oregon, 3,500,000, and Idaho, 3,000,000. Authorities differ as to the production per tree.

Eugene Register: The booster fund for next year is gradually growing, having reached close to the \$12,000 mark. The committee who have the matter in charge are endeavoring to raise \$15,000 in order to insure a more vigorous campaign next year than last.

Albany Herald: Since the recent rainstorm, wild geese and ducks are beginning to make their appearance in the swamps and sloughs in the Shelburn vicinity in goodly numbers.

Woodburn Independent: The electric line will now be pushed to com-

Signs of Progress

pletion. The rails began arriving Tuesday and work of laying began yesterday. It will not be long before cars will be running into Woodburn.

Value of Humus. Humus in the soil has seldom been taken at its full worth. The mission which it fulfills is second in importance only to that which is fulfilled by the presence of plant food in the soil. Humus is helpful in keeping soil in proper mechanical balance, in binding soils that are much prone to blow, in increasing the power of soils to absorb and hold moisture.

When the humus is exhausted in a soil its mechanical condition suffers. It becomes more compact, less easily aerated and less easily penetrated by the roots of plants. Some soils so light as to lift with the wind can be kept from blowing at least in a great measure by simply keeping them stored in the soil. The increase in the amount of seeds to hold moisture and the amount of fertilizer which can be used when humus is present is to be repaid in the form of increased crop yields.

Such being the case, every effort should be made to store the land with humus. It would be possible to have an excess of humus, but in practice this seldom happens. Humus may be put into the soil in the form of clover roots, of grass roots, of buried catch crops and barnyard manure.

Once more for nice country is enshrouded in snow. For awhile the weather was pretty cold but is warmer now. We hope for a Web-foot rain.

Mr. Beck had the misfortune to lose a horse a few days ago. It balked and in its performances it threw itself and broke its neck.

Bert Newman took a tour over the country a few days ago. He was gone about a week and returned with some fine Jersey cows, which add to our country's appearance and also prosperity.

Signs of Progress

Our telephone lines have undergone a thorough overhauling, which was badly needed, as many posts were down.

Mr. Scott Carter and wife made a flying trip to Oregon City a few days ago and came home the coldest day we had.

The strong winds some time ago prostrated many fences.

Mr. Wingfield has done some slaying on his farm.

Jacob Ritter of Neely visited Mr. Wingfield one day last week and while here he butchered a nice beef. Mr. Ritter is an expert butcher of experience.

The fourth of December there was a meeting of District No. 56 for the purpose of voting a tax for the support of the public school.

Signs of Progress

There was a basket social at the upper school house this week.

The road down the Soda hill is getting almost impassable. The new road down the hill is badly needed.

There is no wheat sown yet in this country on account of bad weather. Many are ready to sow but lack good weather enough to accomplish the work.

Don't forget that Robbins Bros. have the largest and best assortment of toys, dolls, and holiday goods that ever came to Molalla.

December 12, 1909. Paul's Last Words—II Tim. iv:1-18. Golden Text—For to me to live is Christ, and to die is gain. Phil 1:21.

Verse 1-2.—When a minister in authority gives instructions to a devoted minister under him, concerning the work to which he is appointing, are his words more or less effectual if he calls God to witness? Why or why not?

What precisely did Paul mean by "Preach the Word"? What, if any, reason is there to believe that preaching, or its equivalent can never be out of season? Why is the duty to preach and practice truth, honesty, love, and the presence of God never out of season? Why is every man under vital obligation to be always on the qui vive to promote the temporal and eternal interests of his fellows?

Verse 3-4.—What is the minimum of Christian faith necessary for "sound doctrine," and "salvation"? (This question must be answered in writing by members of the club.)

Signs of Progress

Why is it that burglars, counterfeiters, gamblers, liars, drinkers, and other bad men, and women, often persuade themselves that they are right?

When men do not believe in the supernatural, that is, God, prayer, immortality, reward and punishment after death, etc., give your reason for your belief whether it is, or not, a result of some moral defect in their lives?

Verse 5.—What are the chances of success, in any calling, for a man who will watch, suffer, work and demonstrate his faithfulness?

Verse 6.—Which is the more desirable time, the day of one's birth or the day of one's death, and why? How did Paul at this time "know that the day of his departure was at hand?"

Verse 7.—What can you say for or against the theory, that the better the man the less he thinks of himself? State your views as to whether Paul was guilty of boasting here, or whether it was but an honest statement that he had "fought a good fight," and that he had "kept the faith?"

Is God hard to please, or is it possible for an ordinary, honest Christian to please God in all things, and to have the consciousness that he is so pleasing him?

Verse 8.—Was the crown of righteousness that Paul was going to receive, a gift of grace, or a reward of merit, and will it be the same case

Signs of Progress

with all the faithful? What will be the nature of the reward which awaits the Christian after death?

Verse 9-12.—Is it a sign of weakness or strength, and why, when a Christian craves human company and friendship? What is the moral quality of a man who forsakes his friend when he is in trouble?

Are friendships rare, or plentiful, which remains steadfast, and true alike in prosperity and adversity, through evil and good report, and how do you characterize such a friendship?

Verse 13.—Upon which will a normal right thinker put the emphasis, on things for the body, mind or spirit—and why? Taking Paul's "cloak" to represent things for the body, his "boots" the spirit, his "parachutes" the spirit, please say what proportion of the thought and energy is spent, by the average community, upon these things respectively?

Verse 14-15.—Is there any reason to believe that Jesus would have "trayed that a bad man may be rewarded according to his works?" What would be the attitude of a good man toward those who speak evil of him?

Verse 16-18.—What effect ought the lack of co-operation of friends and the opposition of enemies have upon the work of a true and determined man? Lesson for Sunday, December 19, 1909.—Review.

WANTED

We are constantly having calls for small farms from 10 to 60 acres with improvements

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Under new management is prepared to serve meals, lunches and will cater to parties. Home Made Candies a specialty

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For Mother, Wife, Sister or Sweetheart is a pair of Slippers or Shoes. We have a fine line of Slippers, felts in colors Blue, Black, Brown, Maroon, Red, Etc. fur top in various sizes which will make a much appreciated present. The little tots always delight in something new for the feet and we can please you with the Red Felt Julietts with fur tops. Everything for the little feet.

OREGON CITY SHOE STORE
Opposite Postoffice JUSTIN S. LAGESON, Proprietor