

Raising Fine Hogs in the Northwest

Some Ideas on the Best Way to Breed and Produce the Farmers' Mortgage Lifters.

FEEDING HOGS FOR GAIN.

THE HOG consumes an enormous amount of food according to live weight, but it is an economic consumer when compared to the steer and the sheep. The hog eats heartily and greedily, but if given the right kind of food it will make gains rapidly. Compared with other meat producing animals, the hog consumes less for the amount of gain. Burkett says that on the basis of 1,000 pounds live weight the hog uses 275 pounds of dry food to 100 for the sheep and 125 for the steer per week. Of this the hog will digest 230 pounds, while the sheep will digest but 120 and the steer but 88 pounds.

It is estimated conservatively that to produce 100 pounds increase the steer requires 1,100 pounds of dry matter in food, the sheep 910 and the hog 520. Estimating the increase in live weight for food consumed on the unit basis as one for the steer, sheep will be 15 and hogs 5; hence we see from this comparison that the sheep in proportion to its weight eats more food than the steer and yields a greater increase, but the pig eats more heartily and yields more meat than either.

It is interesting to feed young pigs and note their keen appetites and see the gains made. This is always more striking when the feeds are weighed and the pigs put on the scales from time to time and the gains noted. For quick results the swine is the animal for our farms. It grows fast and with little investment is soon ready for the block or for market.

CLOVER PASTURE FOR HOGS.

RED CLOVER probably ranks next to alfalfa as a forage crop for swine. It will not feed so many hogs per acre and does not furnish pasture for so long a period as alfalfa. Results at the Missouri station show it to be one of the best forages.

The amount of grain per pound gain was 2.97. The gain accredited to forage was in this case 572 pounds, or with pork at 6 cents the return from an acre of clover was \$34.32. In pasturing the clover care should be taken not to turn in on it before it is 10 to 12 inches high, and it should not at any time be pastured too closely.

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OREGON SWINE REGULATIONS.

(From Oregon Stock Law.)

SECTION 5567. Swine at Large May Be Taken Up and Sold Under Estray Law.

A person finding any swine running at large contrary to the provisions of this act may, and any constable of any precinct or marshal of any city in his county where such swine may be found, on view or information, shall take up and confine the same forthwith, giving notice thereof to the owner, if known, and if not known, by posting notices, describing such animals therein, in at least three public places within the precinct; and if the owner does not appear and claim his property, and pay all charges for taking up, advertising and keeping the same within ten days from the date of this notice, the sale of the animals may be proceeded with under the law regulating estrays.

Section 5568. Voting on Swine Running at Large in County.

On the petition of one hundred or more legal voters of any county in this state being filed with the county clerk before the time of giving notice of the general election in any year, the county clerk shall cause notice to be given that at such election a vote will be taken in such county for and against swine running at large.

Section 5569. Manner of Voting on Swine Running at Large.

In voting for and against swine running at large, it shall be printed or written on the same ballot with candidates for county offices, and shall read: "For running at large—Yes," or "For running at large—No," and the votes thus cast shall be canvassed the same as those cast for any county officer.

Section 5570. Vote Against Swine Running at Large, Proceeding Thereafter.

If a majority of all the votes cast shall be against swine running at large, the county clerk shall give notice, by publication in some newspaper in his county for three consecutive weeks, that in sixty days from the date of said notice it will be unlawful for swine to run at large, under penalty of a fine of \$5 for the first offense, and \$10 for each and every subsequent offense, to be recovered from the owner of the swine by civil action in the name of the State of Oregon, before a justice of the peace of the precinct in which such penalty shall be for the benefit of and when collected paid into, the common school fund of the county in which such action is brought, within sixty days after such animal is proved to be at large.

Section 5571. Prosecution Must Be After Notice.

No prosecution shall be commenced to recover the penalties named in section 5570 until at least one day's notice has been given to the owner or person having charge of such swine, if such owner or keeper be known; and it shall be a sufficient defense to such prosecution to show that such animal or animals were at large within the knowledge of such owner or keeper, and without his fault.

Section 5572. Taking Up Swine Running at Large, Proceeding Thereon.

A person finding any swine running at large contrary to the provisions of this act, and any constable of any precinct or marshal of any city of his county where such swine may be found, on view or information, shall take up and confine the same forthwith, giving notice thereof to the owner, if known, and if not known, by posting notices, describing such animals therein, in at least three public places within the precinct; and if the owner does not appear and claim his property and pay all charges for taking up, advertising, and keeping the same within ten days from the date of this notice, the sale of the animals may be proceeded with under the law relating to estrays.

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Anti-Hog Cholera Serum Pays

Government Demonstration Agents Cut Down Losses in South

TREATMENT of hogs exposed to the risk of contagion from hog cholera with anti-hog cholera serum has saved all but 2.27 per cent in the Southern states, according to reports received by the U. S. Department of Agriculture from local agents engaged in demonstration work in this section.

These reports show that the county agents inoculated, in the year ending June 30, 1914, a total of 34,636 hogs that were in good health at the time, but were exposed to the disease. Of this number only 787 died. This loss of 2.27 per cent is regarded as highly gratifying evidence of the value of the preventive treatment with anti-hog cholera serum.

Although many authorities do not recommend this treatment after the hog is so sick that signs of the disease are plainly visible, the agents in many cases took a "fighting chance." The results would seem, on the whole, to have been very satisfactory. Including sick and well animals, a grand total of 41,976 hogs exposed to the disease received the serum. Of these, 3,004 died, a percentage of loss of 7.15.

In considering these figures, scientists point out that the work was done under ordinary farm conditions, and not

by trained experts in laboratories. In addition, a very large number of hogs were inoculated by veterinarians or by farmers themselves. In these cases no figures are available to show the exact results of the treatment.

Department experts also point out, however, that inoculation alone is not sufficient and does not remove the necessity for sanitary and other precautions; for example, hogs should be fed for a few days after the treatment on cooling laxative foods. They should be removed to uninfected and clean pens where there is plenty of shade, and care should be taken to free them from lice and worms. Since many hogs are worm infested, the following formula, which has been used by local agents throughout the South with considerable success, is suggested by the Kentucky Experiment Station:

Santonin 2½ grains
Arecanut 1 dram
Calomel 1 grain
Sodium carbonate 1 dram

This is a sufficient quantity for each 100 pounds of live weight. The dose should be given in slop in the evening, after the hogs have been without food for from 12 to 24 hours. The following morning each hog should receive a tablespoonful of Epsom Salts.

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