

Co-operative Extension Work in Agriculture and Home Economics

Field Studies, Farm Management and Demonstration

ST. FRANCOIS COUNTY FARM BUREAU
BERT L. FRANCE, County Agent

U. S. Department of Agriculture, University of Missouri, College of Agriculture, St. Francois County Court and St. Francois County Farm Bureau, Co-operating.

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Government Formula for Hog Tonic—Soft Coal, Charcoal and Tonic Mixture.

Bulletin 150 of the Maryland Experiment Station gives results of a single test with soft coal, charcoal, and tonic mixture, made up as follows: Wood charcoal 1 pound; sulphur, 1 pound; common salt, 2 pounds; bread soda, 2 pounds; sodium hyposulphite, 2 pounds; sodium sulphate 1 pound; black antimony, 1 pound. The ingredients of the tonic were pulverized and thoroughly mixed. The cost of the mixture was 4 cents per pound.

Common Round Worm.

The most common intestinal worm affecting swine is the round worm, which is found mainly in the small intestines. If a post-mortem examination is made some time after death, the worms may be found in the stomach, having made their way there after the death of the animal. The worms vary from six to eleven inches in length, and taper somewhat toward the extremities. In color they are usually a yellowish white. The eggs of the female pass out with the excrement and become scattered over the premises. Eventually some of them are taken up by other hogs along with their feed.

They do not seem to cause the hog any inconvenience unless they are present in very large numbers, when they may cause

digestive troubles, and the writer has known death to result. There can be little doubt, however, that a pig affected with worms cannot make the best use of its feed, even though it may appear quite thrifty.

Thorn-headed Worm.

This parasite is much less common than the round worm. It is usually found attached to the wall of the intestines by its hooked proboscis, from which it derives the name of "thorn-headed." In length it is similar to the round worm, but its surface is somewhat wrinkled, and the posterior extremity is blunt. Though only a few are usually found in an animal, they do much more damage than the round worm, irritating the lining of the intestine, and sometimes causing severe inflammation. It would be difficult to distinguish the symptoms from other intestinal derangements, but a post-mortem examination would readily reveal the presence of the worm.

Pin-Worm

The pin-worm is very small and might be easily overlooked in a careless post-mortem. It is usually found near the beginning of the large intestine, often hidden in the fold of the lining membrane. It is a very common parasite of swine, and does not seem to cause much inconvenience to the animal.

Whip-Worm

This is also a small worm, being about one and one-half inches long. It attaches its head to the lining of the intestine, and is usually found in the beginning of the large intestine. The anterior portion is very thin and hair-like, and the posterior portion is very thick and cylindrical in shape. Like the pin-worm, it does not seem to create much disturbance, but must be more or less injurious.

Treatment for Intestinal Worms

Preventive treatment consists in keeping buildings and surroundings clean and sanitary. Feeding filthy yards and allowing to drink stagnant water are practices which favor the spread of parasites.

As to medical treatment, the writer has found that allowing hogs to have access to a mixture of charcoal and salt, or charcoal, wood ashes and salt, seems to be quite effective in driving out round worms.

Turpentine is commonly recommended for worms, especially the thorn-headed worm. The dose is a teaspoonful for every eighty or one hundred pounds live weight of the hogs to be treated. It can be given in the feed, and the hog should be fasted at least twelve hours before treatment. A dose each day for three days will generally prove effective.

Another which is recommended is five grains of calomel and eight grains of santonin for every hundred pounds live weight of the hogs. This remedy can also be given in the feed. It is generally advisable to give a physic after treatment for worms.

Lung Worms

The lung worm is a small, thread-like, whitish worm, sometimes found in large numbers in the air-passages of the lungs. Ordinarily, about the only symptom is a spasmodic cough, which is somewhat similar to the cough which accompanies bronchitis. Sometimes the irritation caused by the worms produces inflammation and consolidation of the lung tissue, in which case the animal dies, but in many cases no bad effect is apparent. In a post-mortem examination, the worms can be detected by cutting the lung near the apex and then squeezing the tissue next to the cut. The pressure forces the thread-like worms out upon the cut surface.

There is practically no effective treatment for this parasite. Clean pens, in which disinfectants are liberally used, and clean well-drained yards will help keep the worm in check. Filthy yards and wallows favor its development. Ploughing up old hog lots and re-seeding them is also a preventive measure.

Lice on Hogs

In handling hundreds of hogs during the past few weeks, we find that they are all badly infested with lice. Both lice and worms undermine the general health and constitution of hogs, which makes them much more susceptible to other diseases.

It requires considerable perseverance to get rid of hog lice and the principle reason why lice are so common is because farmers are not equipped to control them. The most satisfactory method of combating lice is to purchase crude oil by the barrel, which may be bought at about 12 cents per gallon. Put the hogs in a close pen and spray them with this crude oil without diluting it. This crude oil will adhere to the hair for several days which is the main reason for it being so efficient. A second spraying in ten days or two weeks will be beneficial. An or-

inary hand spray pump costing very little is all that is necessary.

RECEPTION FOR REV. DUGGINS

A splendid reception was given last night in honor of Rev. Duggins, the new pastor of the M. E. Church, South. A large assemblage of enthusiastic receptionists were in attendance, and the ladies had prepared a bounteous repast, and refreshments were served which were enjoyed.

All seemed to be well pleased with the new pastor and many hearty congratulations were extended Rev. Duggins.

ELECTION CONTEST DECIDED IN FAVOR OF T. B. STRAUGHN

In the Contest Suit on office of County Court Judgeship in Ste. Genevieve county, which was tried in the Common Pleas Court at Cape Girardeau some time ago, a decision was handed down in favor of T. B. Straughn. It was found by the judge of the Common Pleas Court that Judge Straughn had been elected to the office of Presiding Judge by a majority of two votes. Apparently, this ends, for the present at least, a hard-fought and hotly contested suit which had been in the courts for quite a while.

WORK ON \$280,000 LEVEE TO BEGIN AT ONCE

The largest single Southeast Missouri project, the construction of a levee from Dorena, Mississippi county, to above New Madrid, will begin at once. The largest levee machine in the history of the Southeast Missouri last week. The cost of the machine was \$50,000.00.

The Charleston Construction Company has the contract for the work. This will be the first levee ever constructed in Mississippi county by steam and cable power.

MEMPHIS MEETING ASKS WILSON'S SUPPORT

For Appropriation for River Improvements.

A meeting was held the first part of the week in Memphis, Tenn., at which a large number of Senators and Congressmen attended. A resolution was adopted calling on President Wilson to support a bill in the next Congress asking the government for an appropriation of \$60,000,000 for the support of the Mississippi levee system. Among the Representatives present were Hon. J. J. Russell of the 14th Congressional district. The 13th Congressional district has three counties along the Mississippi that should be protected by the levee system, viz.: Jefferson, Ste. Genevieve and Perry counties.

Announcement was made Monday of the secret wedding of Mr. Irvin Hatridge and Miss Naomi Rudy, daughter of Mr. and Mrs. Robert E. Rudy, of Ironton, which was solemnized Saturday evening, October 16, 1915 at the Fort Hill parsonage, Arcadia, Rev. N. B. Henry officiating. Mr. Hatridge has for some time past, been assistant cashier of the Bank of Ironton, but left here last week to accept a position with the Pierce Oil Corporation, St. Louis. Mrs. Hatridge will join him there this week. Long life and happiness to them.—Ironton Register.

Brave Little Woman!

"If you don't help to keep down our expenses," he complained, "I shall be driven to desperation." "All right, dear," she replied, "I'll do my best. I'm going to call up Aunt Elizabeth today and ask her if she won't take our canary, so that we shall not have to buy any more bird seed."

THE RURAL PRESS

The Local Paper a Most Useful Agency on the Farm—The Press, Pulpit and School a Trinity of Influence That Must Be Utilized in Building Agriculture.

By Peter Radford

Lecturer National Farmers' Union

A broad campaign of publicity on the subject of rural life is needed in this state today to bring the problems of the farmers to the forefront. The city problems are blazoned upon the front pages of the metropolitan dailies and echoed in the country press, but the troubles of the farmers are seldom told, except by those who seek to profit by the story, and the glitter of the package oftentimes obscures the substance. A searching investigation into the needs of the farmers will reveal many inherent defects in our economic system that can be easily remedied when properly understood and illuminated by the power of the press.

The rural press, the pulpit and the school are a trinity of powerful influences that the farmer must utilize to their fullest capacity before he can occupy a commanding position in public affairs. These gigantic agencies are organized in every rural community and only await the patronage and co-operation of the farmers to fully develop their energy and usefulness. They are local forces working for the best interests of their respective communities. Their work is to build and their object is to serve. They prosper only through the development and prosperity of the community.

Every farmer in this state should subscribe for the local paper, as well as farm periodicals and such other publications as he may find profitable, but he should by all means subscribe for his local paper, and no home should be without it. The local paper is part of the community life and the editor understands the farmer's problems. It is the local press that will study the local problems and through its columns deal with subjects of most vital importance to local life of the community.

A Noble Task.

In too many instances the country papers mislead the city press by giving prominence to scandals, accidents and political agitation. The new rural civilization has placed upon the rural press renewed responsibilities, and enlarged possibilities for usefulness. It cannot perform its mission to agriculture by recording the frailties, the mishaps and inordinate ambitions of humanity, or by filling its columns with the echoes of the struggles of busy streets, or by enchanting stories of city life which lure our children from the farm.

It has a higher and nobler task. Too often the pages of the city dailies bristle with the struggle of ambitious men in their wild lust for power, and many times the flames of personal conflict near the tender buds of new civilization and illuminate the pathway to destruction. The rural press is the governing power of public sentiment and must hold steadfast to principle and keep the ship of state in the roadway of progress. The rural press can best serve the interests of the farmers by applying its energies to the solution of problems affecting the local community. It must stem the mighty life current that is moving from the farm to the cities, sweeping before it a thousand boys and girls per day. It has to deal with the fundamental problems of civilization at their fountain head. Its mission is to direct growth, teach efficiency and mold the intellectual life of the country, placing before the public the daily problems of the farmers and giving first attention to the legislative, co-operative, educational and social needs of the agricultural classes within its respective community.

The Power of Advertising.

The influence of advertising is clearly visible in the homes and habits of the farmers, and the advertising columns of the press are making their imprint upon the lives of our people. The farmer possesses the things that are best advertised.

The farmer is entitled to all the advantages and deserves all the luxuries of life. We need more art, science and useful facilities on the farms, and many homes and farms are well balanced in this respect, but the advertiser can render a service by teaching the advantages of modern equipment throughout the columns of the rural press.

The farmers are in need of personal leadership. They have political leaders, but they need local industrial community and educational leaders.

Baked Tomatoes on Toast. Cut large, firm tomatoes in halves crosswise, put them in a buttered baking pan, sprinkle each with chopped green pepper, dot with bits of butter and dust lightly with salt. Bake until tender on the under side only. Put two tablespoonfuls of butter in the pan in which the tomatoes were baked; when brown stir two tablespoonfuls of flour, add slowly one cupful of cream, stir and cook until thickened, season with pepper and salt and strain the sauce over the tomatoes.

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