

# Survey Shows Kinds Of Soil Tilled By Linn County Farmers

## GOVERNMENT STUDY IS READY FOR FREE DISTRIBUTION HERE

### Surveyors Find 25 Types Of Soil In Linn; Give Present And Future Needs Average Farm; Erosion Becoming A Problem.

TWO MEN representing the United States department of agriculture and the soil section of the Iowa agricultural experiment station at Ames have gone over every section of land in Linn county and made a complete survey of the soils. They mapped the area of each type and noted the drainage and topography of the land.

The report of their work, with additional general information and recommendations for handling the various soil types in the county so that they will produce the maximum yield of crops has now been put in pamphlet form and may be had free by writing to the Bulletin Section Iowa Agricultural Experiment Station Ames, it was announced today.

This report on the soils of Linn county is complete containing sixty pages. It will be a valuable guide to every farmer in the county in solving his fertility and soil problems. Because it contains much general information concerning the agriculture of the county such as acreage and yield of crops amount of waste land and history of the formation of the soils. It will be found of interest to bankers real estate men, agents for loan companies and business men.

The report contains a colored map of the county on which every acre is shown and the various soil types are displayed in different colors. It is possible by studying this map and the descriptions of the soil types given in the report to determine what type of soil is to be found on any particular farm. Later in the report definite recommendations are made for the proper handling of each soil type so that it will produce the highest crop yield and return the greatest profit on an acre. The survey revealed that there are twenty-five distinct soil types in Linn county. Samples of each soil type in Linn county were taken by the men who made the survey and these were sent to Ames for analysis. It was found that in all of the soils are acid and need applications of lime in order to make them produce the maximum of crops, particularly the legumes clover and alfalfa. Most of the soils also were found to be rather low in phosphorus one of the important plant foods. Additions of phosphorus fertilizer will undoubtedly be found profitable on many of these soils in the near future and it might prove profitable on some of them even now.

Tests are under way on the soil types found in Linn county to determine the value of the various fertilizers. The detailed results in crop yields of the experimental work being carried on in various parts of the state and on many different soil types is given in Bulletin 221 which may also be obtained free from the station at Ames. Bulletin 213, "The Iowa System of Soil Management" is another valuable publication which outlines the best proven practices for handling Iowa soils. Farmers may find these two bulletins valuable supplements to the soil survey. Their own county and they will be found valuable for those living in counties in which surveys have not been conducted or reported.

### Erosion Serious.

Soil erosion or washing has become a grave problem in many parts of Linn county and the soil survey report makes definite recommendations for stopping or preventing this injurious action. Contour planting is one method of holding leading patches or strips of soil. Where gullies have already washed out in the hillsides it is generally necessary to plant trees and shrubs to hold the soil. Different types of crops are suggested in the survey report and the soil surveyors are given for each type of soil. The surveyors are given for each type of soil. The surveyors are given for each type of soil.

### GUTHRIE FARM BUREAU BUYS "MARKET" RADIO

A "MARKET" radio was purchased for the Guthrie farm bureau at a cost of \$100.00. The radio is a new model and is expected to be a great help to the farmers in the Guthrie farm bureau.

### STATEMENT OF CONDITIONS OF FAIRFAX STATE SAVINGS BANK

Capital Stock \$25,000.00  
Surplus Fund \$500.00  
Total Assets \$25,500.00

### COGON SHIPPERS TO ELECT NEW DIRECTORS

The Cogon Shippers' Association will meet on Friday, Jan. 7, at 7:30 p. m. for its annual business meeting. Three directors will be elected to succeed Mr. C. W. Mansfield and Mr. Caldwell.

### Sleep For The Nervous

A specialist in nervous diseases says that women should sleep nine hours at night and one hour in the daytime.

### TO OUR CUSTOMERS

Lard This Week 10c  
Pork Sausage 15c  
Roast Beef 20c  
Baby Beef, all steaks 25c  
Soup Meat 8c to 10c

### CARITHERS MEAT SHOP

Phone 2670 2704 Mt. Vernon Ave.

## FIRST THEY PRODUCED MORE APPLES, THEN ORGANIZED A COMPANY TO MARKET THEM



Here is shown a recent scene in the story of how Johnson county's farm bureau began with one horse drawn spray machine in 1922 and ended up with an apple marketing company in 1924. One of the seven spraying machines that made the farmers sales company possible is shown at the right of the picture. Some of the apples stacked in front of the farm bureau office on one of the loading days, can be seen in the center and at the left.

### Mortensen Finds Huge Dairy Herds On Pacific Coast

AMES, Jan. 7.—Striking differences between the scale upon which dairying is conducted in California and that on which it is practiced in the middle west, are reported by Prof. M. Mortensen, chief in dairy at Iowa State college.

### Percentage So Far Is Only 1.67; First Shipment Of Infected Cattle Go To Market.

MARENGO, Jan. 7.—The first reacting cattle found in Iowa county area testing have been shipped recently from Marengo to Chicago. Only eleven head were sent, that being the total number of reactors found in territory adjacent to Marengo as a shipping point. These animals were sold on foot, subject to carcass inspection, and the owners will receive pay according to the position of infection showing in the carcass.

### Cedar Farm Bureau Re-elects Elijah County President

TIPTON, Jan. 7.—Earl Elijah Clarence, was re-elected president of the Cedar county farm bureau at its annual meeting here Saturday. Other officers elected were Harry Schooley, vice president; Frank Thompson, secretary; Charles Swartzlander, secretary; and Mrs. Ralph Wingert, chairman of women's work.

### PIDIMA AND GERHOLT BUY NEW DAIRY SIRE

Ludvik Petrak southwest of Cedar Rapids reports the sale of his senior herd sire Evergreenide Ponie Korndyke to Frank Pidima, Fairfax, who will use him on his high grade Holstein herd. Evergreenide Ponie Korndyke has been at the head of Evergreen Farm Holsteins for the last four years.

### CLUB GIRL NETS \$1,432 WITH TWO SWISS CALVES

BROWNSTOWN, Wis., Jan. 7.—Lila Schmidt, ten year-old, Green county girl made a net profit of \$1,432 on two purchased Brown Swiss calves which she showed at several calf club shows at fairs this season. She bought the calves from her father for \$200 and \$300 at shows in prizes and was offered \$1,000 for the calves at the end of the season. She fed the calves herself for 241 days at a total cost of \$240 and they gained 1,042 pounds. There were some other expenses. Lila took national championship in the Brown Swiss class of the club exhibit at National Dairy show.

### BOONE GETS 'EM OUT TO MEETING WITH BANQUET

BOONE, Jan. 7.—Boone county farm bureau has adopted the plan of serving a banquet at the annual county meeting. For the dinner scheduled for tonight more than 500 persons have already been made it is reported.

### PRIVATE DINING ROOMS FOR CLUBS AND ORGANIZATIONS

"Y" Private Dining Rooms are the scene of many successful and interesting group meetings. No charge is made for the use of these rooms. The cost of food is the only cost. Members of your group may serve themselves, or, if you desire water service will be provided. Arrange to hold your next meeting at the "Y" Cafeteria.

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## FEDERAL "VET" TO BE STATIONED HERE

### Dr. Buffington, Of Bureau Of Animal Husbandry, Will Promote Sanitation And Fight Epidemics.

To aid in promoting swine sanitation and to have its official representative on the ground in the event of any disease epidemics which may break out in eastern Iowa, the federal bureau of animal industry, a branch of the United States department of agriculture, has stationed one of its veterinarians, Dr. L. M. Buffington, in Cedar Rapids.

Dr. Buffington returned recently from the foot and mouth war in Indiana and has had experience in combating epidemics. He has helped for a few days with tuberculin testing in Jones county, where the Area plan has recently gone in effect, and this has established his headquarters here, subject to call in case of any situation arising where emergency help is needed.

Dr. Buffington expects to spend a large share of his time in promoting swine sanitation in cooperation with state veterinarians, the Extension Service of Iowa State college and local agencies. He will continue his work in Benton county for example, where the McLean system of management is now attracting considerable interest. He expects to visit the farms of those who are trying the system and of any who indicate an interest in it.

If an epidemic of hog cholera breaks out if some area gets behind in its tuberculin testing, if some disease gives more than usual trouble in a certain locality, Dr. Buffington will be at the call of local veterinarians, county agents or farmers. He expects to be an emergency man and in the meantime promote hog sanitation.

From his experience in fighting foot and mouth disease, Dr. Buffington told how he believed a hog cholera epidemic could be checked. One effective way would be to vaccinate all herds in the neighborhood, throwing a ring of non-susceptible herds around the center of infection, he said.

Dr. Buffington will not invade the field of local veterinarians. Rather he will be available to give assistance to them, he said yesterday. He expects to cooperate with all other agencies interested in promoting animal health.

Temporarily his headquarters will be at 515 Sixth avenue, Cedar Rapids.

## Waubeek Man Buys Well Bred Guernsey From Goodlove Herd

Special To The Gazette. CENTRAL CITY, Jan. 7.—Mr. Aller of Waubeek, recently purchased a fine Guernsey bull calf of E. L. Goodlove, Central City.

This calf is of Ne Plus Ultra breeding and gives promise of being a splendid individual. Mr. Aller has a good herd of Guernseys and Holsteins. He is making a good start in dairying and will soon have a good grade herd of Guernseys, it is believed.

### SAYS POTATO EMBARGO IS NOT RETALIATION

WASHINGTON, D. C., Jan. 7.—When asked whether the English embargo on potatoes might not be a retaliatory measure against the United States for placing quarantine regulations on certain European produce, Charles L. Marlatt, representing the department of agriculture, replied that could not be the reason.

He said those quarantines have been in force 12 years. The principal pests they sought to keep out of the country were the European cornborer, the Japanese beetle, the pink boll worm, on which the national government alone is spending \$500,000 year to combat, and the gypsy moth.

### IMPLEMENT MEN MEET.

DES MOINES, Jan. 7.—The twenty-ninth annual convention of the Iowa Implement Dealers association opens here tomorrow for a three day session.

### Stop Child's Cough Quick--To-day

Before it has a chance to develop into a chronic cough, get it right after the cough of your child. No use to dose with ordinary cough syrups. At once give Kemp's Balsam—a fine old-fashioned tried and proven medicine safe for children. It heals the throat and prevents the cold from going through the whole system. Only 10 cents at all stores.

### For that Cough! KEMP'S BALSAM

## Daily Farm News For Farm Folk

Edited by C. P. STREETER

## WANTS EDUCATION IN CO-OPERATION

WASHINGTON, Jan. 7.—(By Associated Press.)—Recommendation that the National Co-operative Farmers' development of a national system of education on the co-operative movement was made in an address prepared for today's session of the organization's convention here by Walton Peete, secretary.

Mr. Peete urged an educational movement that would reach "down through the national, state and local leaders to farmer members of co-operatives and to the general public." He advocated appointment of a committee to consider the entire subject and report to the national council at tomorrow's business session.

Asserting that inefficient management was often a result of failure of directors to understand the rudiments of sound business practice and inability to pick real business executives for co-operative units, Mr. Peete suggested as a remedy a system of self education in co-operative marketing.

### Clearer Vision

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