

Live Stock and Dairy.

WHEN THE COWS PAY.

Correspondence of The Progressive Farmer. The difference between a paying and non-paying dairy cow is some times so apparently slight that it is not noticed by the average person.

This condition of affairs is just what can be observed on many farms to-day. The dairymen may be experts in their line, and they may have brought the question of cost of feeding down to the point where little further improvement can be made.

SOME IMPORTANT QUESTIONS.

Prof. W. A. Henry, of the Wisconsin Agricultural College, has prepared a series of questions to be studied and answered by the students, of which the following on feeds and feeding are a good illustration.

pasture put on steers in one season? Does soaked corn give better returns than dry corn with steers?

Describe how to make hay tea for calves? Is beef pulp a good stock feed? Does the cost of gain with fattening steers increase with the length of the fattening period?

SOME TRUTHS IN PIG FEEDING.

The Maryland Experiment Station publishes the following conclusions drawn from its pig feeding experiments: 1. It was found that with some rations the gain on pigs could be produced as low as 2 1/2 cents per pound.

SOFT COAL AND SALT FOR SWINE.

Too much soft coal and salt is injurious to swine; it makes bone-weakness. It is like feeding sulphur when the animal gets wet; they show lameness right away.

THE CURIOUS PROBLEMS OF SWARMING.

Swarming is apt to trouble the beginner in bee-keeping, but, when the matter is properly managed, it is not very bothersome. This is the method adopted by the insects for multiplying their colonies, inasmuch as it is obvious that a given number of hives cannot indefinitely accommodate augmenting numbers.

Horse Owners Should Use

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Poultry and Bees.

SUMMER BUILDING.

Correspondence of The Progressive Farmer. This season of the year one has the best opportunity in the world to build model hen houses and to make preparations for housing more chickens next winter.

Spring and summer are good building and planning times. During the pleasant weather one can construct new houses for new colonies. It should be a part of the business to increase the number of flocks every year.

There should be improvement upon the new hen houses built this year, for surely experience, study and observation have taught us something new. We must have found some way of improving the winter quarters for the birds, or some more economical way of building.

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All trouble about swarming may be avoided by clipping one wing of the laying queen, so that when the bees swarm she cannot go with them, but may be caught at the entrance. The swarm will immediately return to the old home, where an empty hive must have been substituted for the original hive.

A beginner in bee-keeping cannot do better than obtain from the Department of Agriculture its recent publications on that subject, written by Mr. Frank Benton, one of the assistant government entomologists.

GREAT EGG YIELD FROM COW PEAS.

During the past week, says Southern Planter, a subscriber called on us and in the course of conversation said: "I had a wonderful egg yield from my hens last winter, and I want to tell the farmers how I secured it. I had an acre or two of cow peas sowed near the buildings.

VALUABLE FARM BOOKS.

Principles of Agriculture. By Prof. L. H. Bailey, of Cornell University. Handsomely illustrated. 300 pages. Price, \$1.25.

We really do not believe that the average North Carolina farmer can anywhere invest \$1.25 to better advantage than by sending that amount to us for a copy of Prof. L. H. Bailey's "Principles of Agriculture."

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Fertilizers. By Edward W. Voorhees, Professor of Agriculture in Rutgers' College and Director of the New Jersey Experiment Station; 335 pages. Price, \$1.

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