

OF INTEREST TO FARMERS.

Foundation of Diversified Farming.

A one-crop system of farming can not be a success for any length of time. No matter how rich the soil may be, it will soon become exhausted in certain elements when only a single crop is grown year after year. Dairying is the foundation of successful diversified agriculture. The feeding and care of the animals takes but little time each day and does not interfere with other work.

In ascertaining the profits of dairying, the fertilizer value of the manure should be taken into consideration. Barn-yard manure makes the cheapest and best general fertilizer, and no land can be brought into a high state of fertility without it. It would pay to keep a few cows on every farm, even though no profit resulted from the sale of milk and butter. Crops grown on land where barn-yard manure has been applied suffer much less during a dry season from a lack of moisture than would otherwise be the case.

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Lime and Peas Make Soils.

The educated farmer can yearly increase the capacity of his lands by sowing peas, and in the fall applying twenty-five to fifty bushels of lime per acre. The application of lime can be made by burning the rock on the farm or near it. Lime is the basis from which the rich soils of middle Tennessee have acquired their strength. Lime increases the warmth of the soil and hastens the maturity of the crops grown thereon. Lime assists fertilizers by neutralizing the acids in the soil, while nearly all plants use lime as food. It is not only plant food, but exerts a chemical effect on the soil, which brings into use other materials which are beyond the capacity of plants to reduce. When green food is turned under, lime will be found a valuable adjunct, as it neutralizes the acids produced by fermentation, and combines with them. It is a heavy substance and has a tendency to go down, hence, if broad-casted on the surface of a field, it will sooner or later be within the reach of plants. Stone lime that has been air slaked until it is fine is excellent, though some farmers use shell lime.

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Profit and Loss Hang on Small Items.

What does it cost to produce a quart of milk? No dairyman has answered this question to my satisfaction, nor have I answered it myself.

There are so many costs to count, it seems impossible to get to the exact cost.

My estimate is made by dividing the total outlay of labor, feed bought, interest on investment, taxes and depreciation, into the total milk yield for one year, again for three years, and again for five years. After trials of this kind, I find that with forty or more cows I can produce milk at about one and one-third cents per quart, and land valued at \$75 per acre. This has been the hardest mathematical problem I have ever tried to work.

There are so many leaks where the turn is between loss or gain. If in feeding forty cows daily, there is a waste of feed of one cent daily for each cow, there is a loss of \$150 in twelve months. And so it is with the whole work; the little details make or break the enterprise.

With all the confinement, early hours, and other objectionable features of dairy work, I believe it the most interesting and profitable branch of farm occupation.—Address of C. C. Moore, Charlotte, N. C., before Farmers' State Convention, Raleigh.

Fresh water-ground meal from Lake Lucerne. Guaranteed fresh and pure. Nothing but selected corn used. Sold by A. Dughi, proprietor.

Scientific men have been examining a learned horse in Berlin and have found that he comprehends handwriting, has color and musical discrimination, and can do mathematical work. All this is something that no automobile is equal to.—Spokane Spokesman.

Try Swift's Premium hams, 16c. per pound. Boneless breakfast bacon at 12½c. Large mackerel at 10c. a piece. New mullets at 7½c. a pound. W. R. Dorsett, Grocer.

You may not be learned, or great, or wealthy, but you can all be faithful.

We never close—Star Lunch.

PERSONALLY CONDUCTED TOUR TO WORLD'S FAIR, ST. LOUIS, MO., TUESDAY, OCTOBER 4, 1904, VIA SEABOARD AIR LINE RAILWAY.

The Seaboard Air Line Railway announces a very attractive personally conducted tour to the World's Fair on Tuesday, October 4th, which will be in charge of Mr. C. H. Gattis, Traveling Passenger Agent, from all points on its line and connections within the State. Arrangements are being made for special train consisting of Pullman Drawing Room Sleeping Cars and Vestibule, high back day coaches to run through from Raleigh, Wilmington and Charlotte to St. Louis without change.

The route selected is one of the most attractive in the South, via Atlanta, Chattanooga and Nashville, the route of the "Dixie Flyer," passing the battlefields between Atlanta and Chattanooga, around Lookout Mountain and through the beautiful farming country of Kentucky.

Rates from Raleigh, fifteen day limit, \$24.80; ten days, \$18.50; from Wilmington, fifteen days, \$26.25; ten days, \$20.40; from Charlotte, fifteen days, \$24.65; ten days, \$18.30. Rate for double berth in Pullman, \$6.00—two can occupy berth, making charge just half.

Leave Raleigh 4 p. m., Wilmington 3.20 p. m., and Charlotte 7.25 p. m., Tuesday afternoon, October 4th.

All arrangements will be made for hotel accommodations at Inside Inn, Exposition Grounds. Pullmans will be provided for return trip and everything will be done for the comfort and pleasure of those who avail themselves of this opportunity to visit the greatest World's Fair ever held.

For rates from other points, schedules, Pullman reservations, pamphlets of the trip, address the undersigned.

C. H. GATTIS, T. P. A., Raleigh, N. C.



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THE GREAT STATE FAIR,

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Grand Agricultural, Educational and Industrial displays. The Virginia Carolina Race Circuit, of which the State Fair is leading member, offers \$14,000 in purses, insuring fast racing. Finest free attractions ever offered. The famous Bickett Family will give trapeze and ladder act every day. Best in the country. Good clean shows on the Midway. Come and bring your sweetheart. A week of solid pleasure, good measure and running over. Write to Secretary for information.

ASHLEY HORNE, Prest. J. E. POGUE, Secy. CLAUD B. DENSON, Treas.

WORLD'S FAIR RATES

VIA

SEABOARD AIR LINE RAILWAY.

TO

ST. LOUIS, MO., AND RETURN.

On account of the World's Fair, St. Louis, Mo., the Seaboard Air Line Railway, in connection with the C. & O. Route via Richmond and the N. C. & St. L. Route, via Atlanta, will sell round trip tickets to St. Louis, Mo., at greatly reduced rates from all stations.

Rates from principal points are follows:

	Season Tickets	60 Day Tickets	15 Day Tickets
Charlotte via Atlanta	\$36.10	\$30.10	\$24.65
Durham via Richmond	34.10	28.40	23.30
Durham via Atlanta	38.75	32.30	26.30
Henderson via Richmond	34.10	28.40	23.30
Henderson via Atlanta	38.75	32.30	26.30
Maxton via Atlanta	38.65	32.25	26.25
Raleigh via Richmond	35.60	29.90	24.80
Raleigh via Atlanta	38.75	32.30	26.30
Hamlet via Richmond	37.60	31.90	26.25
Hamlet via Atlanta	37.60	31.90	26.25
Wilmington via Richmond	38.65	32.25	26.25
Wilmington via Atlanta	38.65	32.25	26.25

LIMIT OF TICKETS.

Season Tickets—

Good to leave St. Louis up to December 15, 1904, will be sold daily commencing April 25.

60-Day Tickets—

Good to leave St. Louis up to and including 60 days from date of sale. Will be sold daily commencing April 25.

15-Day Tickets—

Good to return up to and including 15 days from date of sale, commencing April 25, and continuing during the Exposition.

Special low rates for Military Companies and Bands. We have two routes via Atlanta or via Richmond. Quickest time, less changes of cars, and the best of Pullman Cars, THAN ANY LINE.

For further information call on or address us. Same will be cheerfully furnished.

C. H. GATTIS, T. P. A., Raleigh, N. C.

HUGH MORSON, C. P. & T. A., Raleigh, N. C.