

# Value Of Soy Beans Pointed Out in Article

## Interesting Facts Revealed By Dave Moore At Tarboro

### Little Bean Has the Power To Revolutionize Farming

Writing in the Tarboro Southern a few days ago, Dave Moore, manager of the Southern Cotton Oil company, released some salient facts about the soy bean, facts that prove almost beyond a doubt that eastern Carolina farmers have a crop that can revolutionize the agricultural industry. Mr. Moore's story follows:

**METHOD OF PLANTING.**  
Soybeans should be planted about corn planting time in a well prepared seed bed, this gives the beans a chance to get started before grass and weeds.

Experiments have shown that the ordinary grain drill is the best method of planting either in rows or by broadcast. In using the grain drill for planting in rows every other hole should be closed up, thus giving a greater distance between rows and allowing for cultivation, the beans should then be cultivated two or four times.

**SEEDS.**  
It is not uncommon for the better varieties of beans to yield from 25 to 40 bushels of beans to the acre. We have never given the thought or taken the time to select or improve our soybean seed as we have with the seed of our other crops. It is very important that we pay special

attention to the selection of our seed as the planting of inferior seed can only result in an inferior crop. Plant only those seed secured from a reputable source, that have been re-cleaned and that show a germination test and that are adapted to your community, only by planting the best seed can we hope to get the best production.

**FERTILIZATION.**  
Ordinarily the soybean does not require fertilization, however, experiments carried out by the department of agriculture show that upon land that has been planted to other crops which are heavy users of acid phosphate and potash for a number of years that an application of from 100 to 200 pounds of acid phosphate and from 25 to 50 pounds of murate of potash per acre will materially increase the yield of beans per acre.

**HARVESTING.**  
There are several methods of harvesting the mature beans, the one from harvester is much cheaper than the combine but does not save but about half of the beans and for this reason the combine is used more extensively as it will save about ninety per cent of the beans. The combine can also be used to harvest other grains while the one row harvester can only be used to harvest soybeans.

**SOYBEAN MEAL.**  
Soybean cake or meal remaining after processing the beans for oil is a most valuable product and has the widest usefulness. In European countries and in North America soybean meal is used almost entirely for feeding purposes. It is highly concentrated and nutritious and is finished by all kinds of livestock

In oriental countries it is used very extensively for fertilizing purposes, but is also recognized as a valuable feed for work animals and for fattening stock. The use of the meal as a flour for human food is becoming increasingly important in Europe, in North America and in the Orient.

### SOYBEAN MEAL FOR HUMAN FOOD.

The meal remaining after the oil is taken from yellow seeded varieties of soybeans is bright yellow in color when fresh and has a sweet, nutty flavor. The use of this meal as flour for human food has become an important factor in several European countries during the past few years and to some extent in North America as a food of low starch content.

### SOYBEAN MEAL FOR STOCK FEED.

Practical experience supplemented by extensive experiments in the United States and in several European countries indicates the high feeding value of soybean meal for all kinds of farm stock. To avoid digestive troubles that may result from the high content of protein, it should be fed with the same precautions observed with other highly concentrated feeds. The digestibility of soybean meal compares very favorably with that of other oil meals.

### SOYBEAN MEAL FOR SWINE.

At the Ohio station soybean meals resulting from the different methods of processing soybeans for oil, showed wide variations in their value for supplementing corn for pigs. The result indicated that meals made by the expeller and hydraulic processes are superior to solvent oil meals and as expeller oil meal having a raw beanlike color, odor and taste. In stating the value of mineral supplements to corn and rape pasture, the same station found that 2 pounds each of ground limestone and bone meal saved 30.3 pounds of corn, 0.4 pound of soybeans, and 0.3 pound of salt per 100 pounds of grain. Soybean meal as a supplement to corn produced more rapid gains than tankage or ground or cooked soybeans. At the North Carolina station soybean meal was eaten readily by pigs and produced satisfactory gains when used as a supplement to corn. More profit and better gains were secured, however, when soybean meal and fish meal were mixed together in equal quantities than when the soybean meal was fed as the sole protein supplement.

**SOYBEAN MEAL FOR POULTRY.**  
With the rapid expansion of the soybean industry, poultrymen have at their disposal a new poultry feed that could well be used to much greater extent than is done at present. Poultrymen in the Pacific Coast states have used soybean meal for several years and consider it a most excellent feed for flesh and

egg production. A number of feeding tests at various experiment stations have shown its value as a poultry feed, although proteins from a vegetable source have been generally considered inferior to proteins from an animal source. It has been shown that the addition of a mineral mixture increases the value of the soybean meal as a protein-supplement for growth and egg production.

In extensive feeding tests for egg production at the Indiana station, soybean meal, when supplemented by the proper mineral mixture, has proved to be a satisfactory source of concentrated protein and gave practically the same results as animal proteins. Other feeding tests were made at the Indiana station in which meat scraps were compared with soybeans as a supplement to corn for growing chicks. The results show that when the basal ration was supplemented with varying quantities of protein from meat scraps, soybean meal, or a combination of both, the best growth resulted from bean meal, or a combination of both, the best growth resulted from the addition of 10 per cent of protein derived from soybean meal.

At the North Carolina station it was found that a mixture of equal parts of soybean meal, wheat meal, wheat shorts and cracked corn moistened with sweet milk was a good ration for little chicks.

**NOTICE OF SALE.**  
Under and by virtue of a judgment of the Superior Court, Martin County, in an action entitled "Matthews and Rhodes v. Minnie Smith

et al." the undersigned Commissioners, will, on the 31st day of March, 1939, at 12 o'clock, Noon, in front of the Courthouse door, Martin County, offer for sale to the highest bidder for cash, the following described tract of land:

Beginning at a stub on the Hamilton Road, running thence N 50 E 83 poles to a pine, thence N 35 E 97 1-2 poles to an oak, thence N 25 1-2 E 12 1-2 poles to an ash on the edge of the swamp; thence N 61 W 9 poles, N 60 W 10 poles, N 42 W 2 poles, N 55 1-2 W 3 poles, N 50 W 7 poles, N 51 1-2 W 6 poles, N 73 1-2 W 6 1-2 poles, S 15 W 13 poles, S 7 W 3 poles, S 2 3-4 W 6 poles, S 37 1-2 W 6 poles, S 41 W 40 poles, S 44 W 4 poles, S 2 1-2 W 9 poles, S 37 W 17 poles, S 5 1-2 W 15 poles, S 28 W 9 poles, S 37 W 17 poles, S 5 1-2 W 15 poles, S 16 W 8 poles, S 4 W 6 poles, S 49 W 7 poles, S 27 W 8 poles, S 9 1-2 W 8 poles, S 4 W 8 poles, S 39 W 7 poles, S 27 W 9 poles to a gum at the head of Deep run, thence S 24 1-2 W 63 poles with the line; thence S 42 1-2 W 31 poles to the Hamilton Road; thence S 43 1-2 E 45 poles to the beginning. Containing 100 acres, more or less, and being the same land purchased of C. V. Andrews and wife of record in

the Martin County Registry. This land will be sold subject to the life estate of Minnie Smith. A 10 per cent deposit will be required of the last and highest bidder at the sale.

This 27th day of February, 1939.  
B. A. CRITCHER,  
E. S. PEEL,  
Commissioners.

### NOTICE OF SALE

of the Estate of T. J. Holliday vs. The Superior Court, Before the Clerk.  
Mrs. Martha Sexton, Administratrix of the Estate of T. J. Holliday vs. W. J. Holliday, Jr., Mrs. F. S. Daw, Grace Holliday, Lula Mizell and husband, L. W. Mizell, Vera Warrington and husband, Dan Warrington, Roxanna Smithwick, Celesta Blissette and husband, Hubert Blissette, Bernice Davis, Theresa Davis, Isoline Warrington and husband, Peter Warrington, Joseph Martin, Bertie Martin, Grace Martin, Edward Lee Martin, Albert Martin, Thomas Martin, Bill Martin, Lucille Martin and Esther Martin.

Under and by virtue of an order of the Superior Court of Martin County made in the above entitled proceedings, the undersigned commissioners will, on the 6th day of

April, 1939, at twelve o'clock noon, in front of the courthouse door in the town of Williamston, offer for sale to the highest bidder for cash the following described real estate to wit:

Lying and being in Jamesville Township, Martin County, North Carolina, being a tract of land in Jamesville Township, adjoining Cooper Swamp, the Holliday tract, G. W. Holliday and Mrs. Lyda Holliday, and commonly known and designated as the T. J. Holliday home place, containing 57 acres, more or less.

This the 6th day of March, 1939.  
ELBERT S. PEEL, and  
B. A. CRITCHER,  
Commissioners.

### DR. V. H. MEWBORN OP-TOM-E-TRIST

Plymouth office, Liverman Drug Co. every Fri. 2 to 5 p. m.  
Robersonville office, Ross Jewelry Store, Tuesday, March 21.  
Bethel office: Rives Drug Store, Store, Tuesday, March 7. —  
Eyes Examined - Glasses Fitted  
At Tarboro Every Saturday  
Williamston office, Peele Jly Co., every Fri., 9:30 a. m. to 12 m.

## Turnage Theatre --- Washington, N. C.

Sunday-Monday "Wife, Husband and Friend" LORETTA YOUNG and WARNER BAXTER	March 26-27	Thursday-Friday "Paris Honeymoon" Bing Crosby, Francisca Gaal and Shirley Ross
Tuesday-Wednesday "Let Us Live" HENRY FONDA, MAUREEN O'SULLIVAN	March 28-29	Saturday "Western Jamboree" with GENE AUTRY

ALSO SELECTED SHORT SUBJECTS

# Fertilized with

## MIXED FERTILIZER

and

# ARCADIAN NITRATE

## THE AMERICAN SODA

# A Sign of GROWTH!

**Nitrogen, Phosphoric Acid and Potash** — each has its job to do in producing bigger yields of better quality crops at lower cost. The proper amounts and proportions of the necessary elements provide plant-food balance. Nitrogen is the important growth element in plant-food balance. ARCADIAN NITRATE OF SODA, used as a top-dressing or side-dressing, supplies quick-acting nitrogen to supplement mixed fertilizer when extra nitrogen is needed for plant-food balance.

**Arcadian Nitrate of Soda on Cotton**, as a supplement to mixed fertilizer well-balanced with phosphoric acid and potash, produces your yield of cotton on fewer acres at lower cost per pound. This means more land for soil-conserving crops, more chance for the soil to grow its own organic matter, less loss from erosion and more actual farm income. ARCADIAN side-dressing is needed when your cotton fertilizer contains less than 6% nitrogen.

**Arcadian Nitrate of Soda on Corn** used as a side-dressing when stalks are knee-high, encourages rapid growth and develops a large leaf area to enable the plant to manufacture the starches, sugars, fats, protein and fiber which build the ears and fill them to the tip with high-quality corn. Soil on which corn is grown should be supplied with

plenty of phosphoric acid and potash, either in complete fertilizer at planting or by heavy fertilization of the previous crop.

**Arcadian Nitrate of Soda on Grain**, applied as a top-dressing in the early spring, produces quick vigorous growth... which means that plants stool out well, sending up many shoots to become seed-bearing stalks, loaded at harvest time with extra bushels of good grain. When spring top-dressing with ARCADIAN has been balanced with good fertilizer treatment the previous year, farmers find that 150 to 200 pounds of ARCADIAN per acre means 20 to 30 extra bushels of oats or 12 to 16 extra bushels of wheat.

**Arcadian Nitrate of Soda on Fruit** means that early season growth is rapid and vigorous as trees absorb its quick-acting nitrogen and utilize it to increase spring set for a bigger yield. After the first flush of growth, trees settle down to storing starches and sugars to size the fruit and give it quality. They also set the stage for next year's crop by hardening twig growth and spurs.

**Arcadian Nitrate of Soda on Truck Crops** produces bigger yields of vegetables which bring top prices in the early and fancy markets. For best results, use liberal amounts of complete fertilizer at planting and later top-dress with ARCADIAN.

**ARCADIAN NITRATE, The AMERICAN SODA** is celebrating its tenth anniversary. During its 10 years of growth, nitrate prices have come down some 40% while quality of product and package have improved. Today its production is a vast Southern Industry. ARCADIAN means growth for the South and growth for your crops... quick, vigorous, productive growth. When you buy Nitrate of Soda, ALWAYS ASK FOR ARCADIAN.

## THE BARRETT COMPANY

RALEIGH, NORTH CAROLINA

# YOUR All American SODA

QUART \$1.65

PINT 85¢

THE OLD QUAKER COMPANY,  
LAWRENCEBURG, IND.

## Usages For Your Soy Beans

SOY BEANS	PLANTS	Green manure Forage Pasture	Hay Silage Soiling	Breakfast foods	Diabetic foods	Breads Cakes Pastry	
	Meal	Celluloid substitute Stock Feed Fertilizer Human Food Glue Vegetable casein Water paints		Infant Foods Macaroni Crackers Soy Milk Bean Curd Soy Sauce Bean Powder			
	OIL	Glycerin Anamels Food Products Varnish Waterproof goods Linoleum Paints Soap stock Celluloid Rubber substitutes Printing inks Lighting Lubricating Core Binder Candles Lecithin Green vegetable Canned Salads		Butter substitutes Lard substitutes Edible oils Salad oils	Hard soaps Soft soaps		
	Green Beans	Stock Feed Soy Sauce Boiled Beans Baked Beans Soups Coffee Substitute Vegetable Milk Breakfast Foods		Sheep Hogs Cattle Poultry	Bean Curd Condensed Soy Milk Fresh Soy Milk Confections Soy Casein Soy Milk Powder	Fresh Dried Smoked Fermented	Paper Size Paints Textile Dressing Water-proofing For Textiles

# Southern Cotton Oil Company

Royster Street

TARBORO, N. C.

Phone 152