

Soy Beans Get New Recognition

Guy A. Cardwell Calls The "Bean With A Past—And A Future"

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Below you will find a new soybean story published in Consumers Guide, October 1st issue. As this publication does not have a very wide distribution in this territory and as Tidewater Virginia and Coastal Plain counties in the Carolinas are expanding soybean acreage for all purposes, but particularly for the production of the beans for oil mills and other soybean products manufacturing plants, I am using this story in two A. C. L. Agricultural News Article issues, as I believe the information to be of general interest:

HOU TSI, one of the gods of agriculture, according to Chinese legend, wishing to give humans a superior food, planted a soybean seed. His seed prospered and from its increase grew great crops which for more than a hundred generations have supplied a valuable source of tissue building and repairing food to people who have never known the taste of cow's milk and seldom tasted meat.

Centuries before there were any written records, soybeans were an essential food of Orientals. Decades before we turned curious eyes on them, soybeans were used for important industrial products. To Occidentals, they come as something like a Twentieth Century wonder.

One of the richest of vegetables in protein, soybeans are given a white mark by nutritionists for their potential aid to consumers with small budgets who want to keep their family diets in balance.

More of a wonder bean since science has revealed the dozens of ways in which they can be used as factory raw material. Now defense requirements have stimulated new research into their possibilities for use in making substitutes for vital metals and other important products.

Farmers, struggling with feed problems for their livestock, with soil impoverished by other crops, are learning the great value of this protein food for animals and the soilbuilding qualities of the plants for restoring nitrogen to exhausted earth.

Within the century, from almost an unknown plant, American farmers have made soybeans a major crop; and production, in response to food, factory, and farm demand, is now expanding faster than with any other agricultural crop.

More versatile a bean has never

been known to science. From the seed comes meal and oil. Out of the meal can be made flour for use in infant foods, macaroni, breakfast foods, bread, biscuits, cookies, and cakes. Soybean oil meal provides feeds and fertilizer for farm use. The oil can be used in the making of soap, salad oils, cooking fats, oleomargarine, enamels, varnishes, paints, printing inks, linoleum, and lubricating oils. From soybean protein come plastics, adhesives, a fiber that can be mixed with wool for cloth.

Nor does the list stop there. Lecithin, useful to bakers and confectioners, is still another valued by-product. Even glycerine can be made from soybean oil. From the dried beans come soy sauce, soups, sprouts, roasted beans, a vegetable milk in liquid or powdered form, and curd, or cheese. To these and other uses science is adding constantly.

So multitudinous are the uses of these beans, the wonder is that they had not long ago become an important agricultural crop in this country. That development had to wait on science. Only certain types will grow in certain soils and climates. Research into these type and soil relationships has taken time.

A New England clipper, back from trading along the China coast, brought the first soybeans to this country. That was in 1804. Then they were a botanical curiosity, and fashionable houses grew the beans in their gardens. From gardens to a national crop has taken over a century and a quarter.

From the time of their arrival in this country until 1890, when the Government began experimenting with them, little was heard of the soybean. Early Government experiments showed soybean plants were a fine soil builder when plowed under, and made fine forage for livestock.

World War I encouraged exploration into the use of soybean oil when a shortage of cottonseed oil coincided with a surplus of soybean oil.

World War II finds the German Army using soybean flour in the field as a substitute for meat, eggs, milk, and other protein foods. In our country, soy-

bean oil has come to rank second to cottonseed oil in the manufacture of margarine. Imported fats which formerly held second place in margarine making, now takes soybean oil's former low place on the list.

Simple and gradually over the years, soybeans have won through on their present recognition as a valuable aid to good farming, a commercially worthwhile crop, a useful human food, and a source of raw materials for industry. To State Experiment stations and experts of the Department of Agriculture must go much of the credit.

Protective foods, modern nutritionists have drilled into occidental minds, are a necessary part of any diet if bodies are to attain their greatest growth and maintain their maximum strength. Consumers know fruits, vegetables, eggs dairy and meat products are the protective foods par excellence. Soybeans can claim rank with these foods because they are rich in high quality protein, rich in minerals, and rich in vitamins. Often they have the additional virtue of being a cheaper source of some of these food values which ordinarily come high.

Keeping protein-rich foods in the diet and keeping the diet within budget limits, too, challenge the best of planners. Soybeans furnish a protein that is not equal in quality to that found in meat, milk, and eggs, but as a supplement in may replace one-fourth to one-third of the amount required in well-balanced diets.

Minerals are among the major necessities of a balanced diet, yet many of the foods rich in them are expensive. Soybean flour, on the other hand, is both a good and a cheap source of such minerals as calcium and iron. Building bones without calcium in the diet is as difficult as making glass without sand.

Vitamins have not passed by this extraordinary bean. Tests show that it is a good source of Vitamin A, a good source of B, and of riboflavin. Bean sprouts can claim Vitamin C, the scurvy-fighting vitamin.

(Continued)

In addition to the base pay received by enlisted men in the U. S. Navy and Naval Reserve, men receive additional pay for certain types of work or honors received. For example, a seaman awarded the Distinguished Service Medal, Distinguished Flying Cross or Navy Cross, receives \$2 extra a month; gun captains receive \$2 to \$5 a month extra; mail clerks, \$10 to \$30 a month extra; expert rifleman or expert pistol shots, \$3 more a month; sharpshooters, \$1 extra per month; divers \$10 to \$20 extra each month, et cetera.

A DEMON DEACON STALWART



TONY RUBINO

WAKE FOREST—Dependable Tony, is the nickname Tony Rubino, Deacon tackle, is sporting this fall. Last year he was a tackle, being shifted there from guard, and now he's being used as a utility lineman at guard or tackle. He will see plenty service against Boston College Saturday in Boston, Mass. Tony comes from Elizabeth, Pa., stands 5 feet 11 inches and weighs 215. He's a junior.

RESULTS OF Big 5 Games SATURDAY

STATE 13-U. N. C. 7

Chapel Hill, Nov. 3—After going without a victory over Carolina for 13 long years, State's Wolfpack Saturday smashed through the Tar Heels with a powerful offensive and defensive display which produced a 13-7 triumph in as hectic a battle as the Old North State has seen in many seasons.

From the beginning until the end, Coach Doc Newton's Wolves flashed streaks of might and so completely crushed the Tar Heels that the 17,000 fans who sat through rain and sunshine in the U. N. C. Kenan Stadium were thoroughly convinced that the game ended as it should end. Thousands were disappointed—although Carolina fans have come to know defeat in these past weeks—but more thousands were jubilant for the first time after a Carolina-State game since 1927.

Newton's team of today became the first since Gus Tebell's great team of 1927 to defeat Carolina in the annual clash between the Raleigh and Chapel Hill units of the Greater University of North Carolina. The 1927 team, sparked by Jack McDowell and Bob Warren, roared to a 19-6 victory. Since then, two games ended in deadlocks—6 to 6 in 1928 and 7 to 7 in 1934. Last year's game, played in Raleigh, ended in exactly the same score as today's but Ray Wolf's Tar Heels were on the long end of that score. Carolina's score came early in the first quarter.

Dave Barksdale, Whiteville boy played a stellar game and had a hand in most every tackle.

Duke Releases '42 Football Schedule

DURHAM, Texas A. and M. will replace Tennessee on Duke's 1942 football schedule, Wallace Wade, head coach and director of athletics, announced recently.

The Blue Devils will meet the Aggies in Durham Oct. 10. It will be Duke's first meeting with a Southwestern conference team. The other opponents on Duke's schedule are the same as this year.

The schedule follows: Sept. 26—Davidson at Durham. Oct. 3—Wake Forest at Wake Forest. Oct. 10—Texas A. and M. at Durham. Oct. 17—Columbia at Hamilton, N. Y. Oct. 24—Pittsburgh at Pittsburgh, Pa. Oct. 31—Georgia Tech at Durham. Nov. 7—Maryland at Durham. Nov. 14—North Carolina at Chapel Hill. Nov. 21—N. C. State at Durham.

GRID SCORES

State 13, Carolina 7. Duke 14, Georgia Tech 0. Marshall 16, Wake Forest 6. V. M. I. 13, Davidson 7.

After 30 minutes of "stand-them-up-and-knock-them-down" football, the Deacons appeared to have the situation in hand. They had blanketed one Marshall scoring threat which carried to the five-yard line, and put on a touchdown drive which carried 80 yards. With John Polanski bearing the brunt of the running attack, Wake Forest bolted from its own 20 to the Marshall 30 in six plays.

DUKE 14-TECH 0

ATLANTA, Nov. 3—Unbeaten Duke shovaled aside an ever-scraping Georgia Tech football team, 14-0, Saturday in Atlanta and rolled on undefeated and untied.

The muscle-loaded Blue Devils convinced 27,000 customers that they are bowl-bound, and Tech showed the folks it can play one gosh-awful ball game and still lose.

Two deadshot passes from the talented fingers of Halfback Tom Davis, tied into deft catches by Steve Lach and Bob Gantt, were the entire difference. If Tech's passing ace, little Johnny Bosch, had not been sidelined by a first-quarter injury it might easily have been much closer. The victory was Duke's seventh.

DAVIDSON 7-V. M. I. 13

LYNCHBURGH, Va., Nov. 3—Virginia Military Institute's Jolting Joe Muha and Bosh Pritchard duded Saturday on a muddy field with Dashing Dave Spencer and Claude Hackney of Davidson, and V. M. I. emerged with a 13-7 victory before a scant 1,000 spectators.

V. M. I. found it hard to halt the fighting Wildcats throughout the game, and hoarded six points garnered by Muha on a 90-yard runback of an intercepted pass as the lone score from the second quarter until the fourth.

WAKE FOREST DEFEATED HUNTINGTON, W. Va., Nov. 3

—Marshall's thundering herd, corralled by favored Wake Forest through two quarters of their joust before a crowd of 10,000 here Saturday, stamped in the final half and trampled the Dea-

SHALLOTTE SCHOOL NEWS

Coach Bill Troutman raced his basketball boys through a tough workout Monday night in preparation for the coming battle with Wampee, South Carolina. Coach Troutman says the boys are getting in fine shape for a hard schedule ahead which includes some thirty games already booked.

Elwood Robinson showed up well at center and Edwin Gray gave a bang-up performance as a guard. Other veterans working smoothly were C. W. Nelson, Clinton Bellamy, and Hubert Bellamy. Bertram Gray, George Dance, Bobby Sollers, Homer Gray, Jack White, Odell Hewitt, L. T. White, Harry White, and Le Verne Hewett showed considerable promise as prospective players.

Coach Troutman stated that he is well pleased with the chances for a winning season. He said the boys were working hard and were whipping themselves into excellent shape for a tough schedule.

AGRICULTURE CLASS In the past few days, we have studied mostly about hogs and their diseases, the most important of these being cholera.

Throughout the fall months while the hogs are being placed in the peanut fields, extreme care should be taken to prevent an outbreak and spread of this disease.

During our studies we have listed and pointed out some do's and don'ts about hog cholera.

1.—The hog lots and pastures should be placed away from public highways and other places where there is liable to be traffic of people or live stock of different kinds. Unless the hogs have been given the anti-cholera vaccination they should not be allowed free range where they are liable to come in contact with running water, canals or waterways that might have passed near or through pastures containing other hogs.

2.—Do not visit a neighbor's farm or allow him to visit yours unless all clothing and shoes are thoroughly disinfected before returning to your hog lot.

3.—Do not drive into hog lots after driving on public highways.

4.—Do not use hog lots for yarding wagons and other vehicles that have been on public highways.

5.—Do not place newly purchased stock, borrowed stock or stock exhibited at fairs immediately in your herd.

6.—Keep such stock quarantined in separate pens for at least three weeks.

7.—Burn to ashes or cover with quick lime and bury under at least four feet of earth all dead animals and the remains of butchered hogs, so that dogs, buzzards and other scavenger animals and birds will not come in contact with such remains.

8.—If hog cholera appears in the section, confine your dog and encourage your neighbor to do the same.

The above listed precautions will help to prevent an epidemic of cholera, but then there is but one sure way to prevent it: and that is through the use of the anti-cholera vaccination.

All hogs, in order to be safe, should be given the double treatment, that is clear serum and the active virus as a simultaneous injection.

Schedule Cotton Vote December

Referendum Will Determine Whether Or Not Growers Want To Continue Marketing Quotas

A referendum to determine whether the marketing quota system for cotton has been in effect for the past four years, will be held December 13, E. Y. Floyd, AAA executive assistant of N. C. State College, announced to North Carolina farmers.

"There is little need to explain the marketing quota system," Floyd declared. "They have realized the benefits of this marketing system for four consecutive years, and there is no reason to doubt that quotas will be approved by an overwhelming majority."

Quotas on the 1941 cotton crop were approved in a referendum on December 7, 1940, by 92.4 percent of the 60,246 farmers who voted in North Carolina, and by 92.3 percent of the 918,556 growers who cast ballots in the Nation. The vote in North Carolina was: 55,937 for quotas, and 4,309 against quotas.

The AAA official quoted Secretary of Agriculture Charles D. Ickes and saying that the planting allotment for cotton will be 27,400,000 acres in the United States, or about the same as last year.

Floyd said it is necessary to continue restrictions on cotton production because of the "collapse of foreign markets," and the accumulation of the large surplus. He added that this surplus already has enough cotton on hand to fill an extra year's requirement.

In the past, it will require a two-thirds vote of those holding through-out the cotton belt quotas in effect for 1942. Quotas are approved, growers are free to sell all the cotton they produce on their allotted acreage. Overproduction will be subject to a penalty, which last year is 7 cents per pound.

Shalotte Village

ZANDY-GREER

Mr. and Mrs. Jackson Greer, of Whiteville announce the marriage of their youngest daughter, Betty to John Leonard Zandy of Shalotte and Wilmington Sunday, October 26, at Camp S. C. Mr. and Mrs. Sherman Bester accompanied the couple to Conway.

Mr. and Mrs. Ed Milligan of Wilmington visited their parents Monday.

Mr. and Mrs. Waldo Regan of Wilmington were week-end visitors of Mr. and Mrs. W. Regster.

Born to Mr. and Mrs. W. Register a boy on October 26. Mrs. A. L. Zandy of Bluff returned to her home last week after a few days visit to her sister-in-law, Mrs. John M. Chadwick, Jr.

Mr. and Mrs. Willie Hewitt of son of Wilmington were visitors of Mr. and Mrs. Jerald Williams Sunday.

Mr. and Mrs. Otis Parker of Washington were visitors of Shalotte Village Sunday.

Miss Lena Chadwick of Wilmington spent Tuesday with her parents, Mr. and Mrs. J. Chadwick, Jr.

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We're open and carrying on our business next door while workmen are busy completely remodeling our old store building.

We are looking forward to being in our new quarters within a very short time.

COME ON IN AND DO YOUR TRADING.

SHALLOTTE TRADING CO.

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ONE-STOP SERVICE

Gas, Oil, Lubrication
Tires Fixed . . . And
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TWO for the Price of ONE plus ONE CENT

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THESE ARE JUST A FEW OF THE MORE THAN 250 GIGANTIC VALUES DURING THIS SALE

Symbol Water Bottle Made from pure, fresh, live rubber. Full 2 qt. size. \$1.19 Size 2 for \$1.20	Symbol Fountain Syringe Same high quality as the water bottle. Complete with pipe, tubing. \$1.19 Size 2 for \$1.20
Purest Halibut Liver Oil Capsules Rich in Vitamin A. Convenient, easy-to-take capsules. \$1.00 Size 2 for \$1.01	Purest Percocod Tablets Made from cod liver oil concentrated with Percormorph oil in easy-to-take tablets. \$1.00 Pkg. of 110 Size 2 for \$1.01
Purest ABDG Capsules Get the four vitamins A B D and G all in one easy-to-take capsule. \$1.15 50 Size 2 for \$1.16	Purest Brewers' Yeast Flakes One can equals 192 ordinary yeast cakes in vitamin content. 79c 6 oz. Size 2 for 60c
Klenzo Coconut Oil SHAMPOO Mild, safe for proper cleansing. Brings out hair lustre. 50c Size 2 for 51c	Patrol shoes with ELASOL An aid to beauty in protection from raw winds and strong sun. 50c Size 2 for 51c
Rexall Milk of Magnesia TOOTH POWDER Neutralizes mouth acids as it cleans. Gives proper cleansing to keep teeth sparkling. 35c Size 2 for 36c	Modern Charm COLGATE TOILET POWDER Full pound size—enough to last for a long time. Fine quality—soft, quickly absorbed. 75c Full Lib. Size 2 for 76c
ADRIENNE FACE POWDER An opportunity you may never have again. Long, clinging, tone blending. 50c Size 2 for 51c	A BIG EVENT ADRIENNE CREAMS Choose from cleansing or cold cream and get real value in famous Adrienne Creams. This is a chance you may not have again. 50c Size 2 for 51c

3 FOR THE PRICE OF 1 SUPER VALUE COUPON

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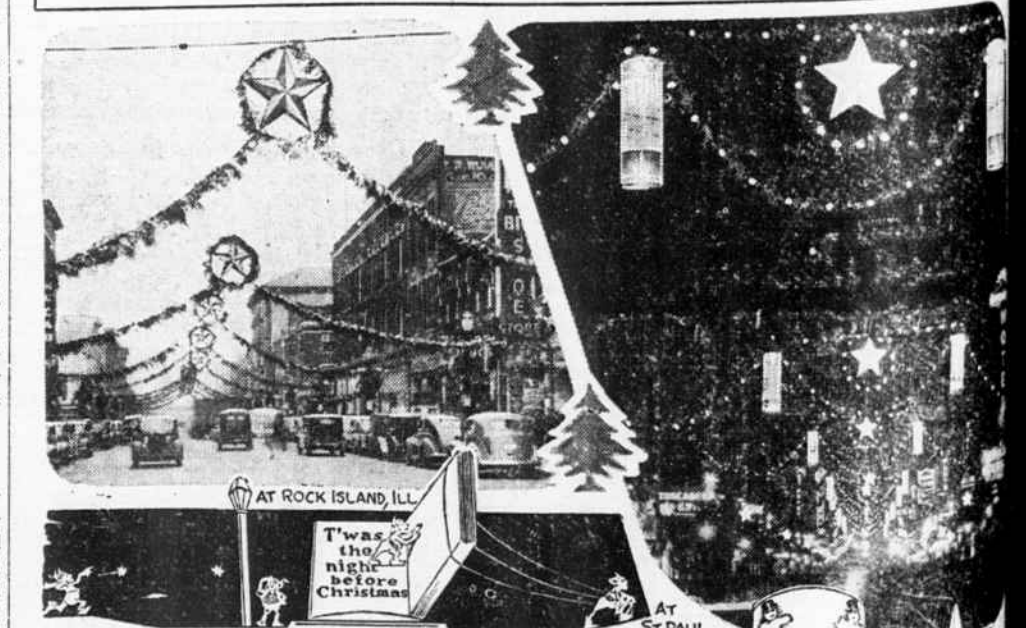
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ALL REXALL PRODUCTS SOLD ON A MONEY-BACK GUARANTEE OF SATISFACTION

With Outdoor Holiday Decorations In Plastics Streets To Be Gay



An earlier-than-usual interest in community Christmas decorations that seems to indicate the gayest yuletide in years is reported by the Du Pont Company.

Though Christmas is still more than three months away, sign and display builders throughout the country are already making plans for street decorations that are more extensive than any of a decade or longer.

The company notes an increasing trend toward the use of more practical materials for street displays in the early interest being shown in "Cel-O-Glass," plastic-coated wire mesh. This is a translucent, opalescent material that is normally used in the fabrication of cold frames and poultry houses. But because it is weatherproof and durable, yet flexible enough to be easily worked, "Cel-O-Glass" lends itself readily and inexpensively to outdoor displays and signs.

In recent years, hundreds of communities have expanded their Christmas decorative schemes by combining part of a previous year's decorations with new designs and units incorporating permanent and lasting features. Substantial savings have been effected in this way, yet in many cases whole shopping areas have been tied together in an original Christmas display of candles, columns, bells, and other festive items.

It is believed that one reason for the unusual advance interest in Christmas decorations is that organizations are eager to do something extra this year to honor the soldiers on leave.