

Finds Soy Bean Oil Meal Is O. K.

Animal Specialist Says It Ranks High as Feed for the Hogs.

By E. T. ROBBINS, Animal Husbandry Extension Specialist, University of Illinois—WNU Service.

A large crop of soy beans combined with increased stock feeding activities on farms indicate that soy bean oil meal will rank high among the protein supplements used in feed lots this winter.

This standard by-product of the large bean crop already has established its merits as an all around healthful and suitable high protein feed. At present prices it has a low cost for each pound of protein as compared with other supplementary feeds.

Hog raisers in particular will find soy bean oil meal an excellent protein supplement during the winter months. Tests have indicated that hogs given free access to powdered limestone will thrive almost as well on a ration in which tankage is used as the protein concentrate.

Hog raisers are cautioned that the feeding of whole or ground beans will produce soft pork, whereas soy bean oil produces firm pork. Every shipment of soft pork from a particular locality hurts the reputation of that locality on the market.

From reports it is believed that soy bean processors are willing to co-operate with feeders in the matter of exchanging soy beans for soy bean oil. This is a good trade because it gives the farmer more protein than he would have in his beans.

Fertilizer Makes Legumes Better Nitrogen Factories

Legumes are natural nitrogen factories, but their production may be increased with the use of phosphorus and potash.

Many farmers grow legumes as green manure crops because they collect nitrogen from the air and put it into the soil. Applications of phosphorus and potash to legumes stimulate their growth, enabling them to produce more nitrogen than if they did not receive these fertilizer materials. These are not wasted as they are available for the next crop as corn or cotton when the legumes are plowed under and decay.

By this method the farmer gains the use of three fertilizer materials for other crops although he applied only two.

Phosphorus and potash applied to legumes when grown as a green manure crop help to produce heavier yields of corn and other crops than if the same fertilizer is applied directly to the crops, tests of the United States Department of Agriculture show. In the South fertilizer mixtures of 0-10-4 and 0-8-4 applied at the rate of 400 pounds an acre are generally satisfactory for increasing the growth of the Australian winter pea and other legumes grown as a green manure crop preceding corn and cotton.

Stock Losses in Transit

Care must be taken with live stock loaded on trucks for market or severe losses through crippling and death may result, the National Live Stock Loss Prevention board finds. Cattle crippled by truck numbered 38 per cent more than by rail in 1933, reports on 20 leading markets show. More calves are killed and crippled on rail shipments because of long distance traveled and long time off feed. There were 18 per cent more hogs crippled by truck and the sheep numbered 70 per cent more crippled by truck than by rail. Last year truck shipments had 27 per cent more dead hogs and 32 per cent more crippled, while crippled sheep were 47 per cent more by truck.

Agricultural Notes

Woolen mills are using wool at the highest rate since war times.

A cellar without a furnace is an excellent place to store vegetables.

Teff, a kind of millet with pin-head grains, is the common bread grain of Ethiopia.

Boys' and girls' agricultural clubs are to be organized by the government of South Africa.

Scientists claim to have found the type of wheat which will give the greatest yield in Germany.

In the United States, between 100 and 200 pounds per capita of potatoes are consumed annually.

Every man has some weakness and he doesn't want it harped on.

Trench Silo Aid in Saving Corn

Farmers Urged to Prepare to Preserve Immature Soft Crop.

By E. H. Lehmann, Head Department of Agricultural Engineering, University of Illinois—WNU Service.

With the condition of Illinois 7,500,000 acres of corn, mostly late planted, continuing below average, trench silos bid fair to become an important factor in the preservation and use of soft corn which may be prevalent in many sections this fall.

Because of heavy spring rains and the delayed planting of corn in practically all parts of the state, there is danger that frost will catch much of the corn this fall before it is matured. Soft corn is difficult to store in cribs, bins or barns, but makes excellent silage.

Since it is cheap, simple to construct and costs less to fill, the trench silo appears to be one of the best means by which farmers can store this soft, immature corn. The only construction equipment needed is a plow, slip and tractor or team of horses. Two men with this equipment can construct a trench silo in from two to four days, depending upon the size.

The silo should be constructed with a slight slope in the sides and on high ground where there is less likelihood of standing water. If a bank or slope is available, the lower end of the "trench" may be left open as a natural drain.

Silage must be well packed and kept higher in the middle than on the sides during the filling process. This causes the silage to settle in a rounded manner after the fashion of a hay stack, covering the silage with about a three or four inch layer of finely cut straw followed by a layer of dirt will help keep out air and prevent spoilage.

Easy Test Aids Breeder of Dry-Weather Wheats

One of the questions to be answered in developing new wheat varieties is: How will they stand dry weather? The question has been answered in the past by observing the new varieties in experimental plots during dry years. But in wet years no information was obtained on drought resistance. This made the breeding program more difficult and slowed it up materially.

Now plant breeders of the United States Department of Agriculture have found that the rate at which a wheat plant loses water through its leaves indicates its drought resistance.

Water loss, or transpiration, has been determined by cutting the plants at different stages of growth, sealing the cut ends at once, and weighing at intervals. The method has been developed and checked with varieties of known ability to stand drought. These were found to lose water least rapidly. For example, Hope wheat, susceptible to drought, loses moisture more rapidly than Baart and Kubanka, which are resistant to drought.

Interest in the drought resistance of wheat, developed during dry seasons, often has been lost in a series of wet years. The development of resistant varieties, nevertheless, is a problem of much importance to the wheat farmer. A simple method of determining drought resistance—no matter what the rainfall may be—such as this measuring rate of water loss, will aid the development of wheats more tolerant to dry weather.

Quality Cream Demanded

Butter manufacturers want quality cream, and many are paying a premium for it. In some states they refuse to buy poor cream. To insure efficient cooling of cream so that it will stay sweet until marketed, a cooling tank should be arranged so that cold water from the well is forced to the bottom of the tank and allowed to flow out at the top. This water can be carried into a live stock tank. Fresh cream should not be kept in a separate container and stirred constantly until it is thoroughly cooled. All utensils should be kept clean and sterilized. Cream should be marketed at least twice each week.

Agricultural Notes

The Department of Agriculture says the tent caterpillar rarely causes permanent injury to plants.

Each year more graded cannery tomatoes are sold with the United States standard grades as a basis.

Wild onions and garlic in pastures often give milk an objectionable odor and flavor.

A fool and his money attract no body worth having.

Nearby News

SAGINAW.

April 21.—About 35 young folks attended a weiner roast at the Jim Abbott place Wednesday evening.

Mrs. Gertrude Buchanan of Culp Creek is visiting for two weeks with Mrs. Lawrence Monteth.

Mrs. Ray Stewart is ill with flu. Anson Clark of Cottage Grove is staying at the James Conley home.

Lowell Benston was taken to a Eugene hospital Monday to undergo an operation for hernia.

The R. H. Brown family of Elmira visited relatives here over the week end.

Mary Alma Benston was an overnight guest of Mildred Lindsay of Creswell Friday night.

Mrs. Lloyd Whitman of Thornton Corners spent one day last week with her mother, Mrs. Lottie Kirkendall.

Mr. and Mrs. Lawrence Monteth spent Sunday at the W. A. Garoupe home at Culp Creek.

The Saginaw grade school played baseball with Delight valley Friday afternoon. Saginaw won by a score of 32-23.

April 20.—The brooder house at the Floyd Salsbury farm burned early Monday morning. More than half the baby chicks were lost.

A large crowd attended literary and motion pictures shown by Mr. Moffitt at the Blue Mountain school house Wednesday night. Refreshments were served.

Mr. and Mrs. Harvey of southern California are now living on the Fletcher England place.

Margaret Castle is visiting a week at the Harry Frost home in Marcola.

Mrs. Bert Ball of Cottage Grove visited Saturday at the Doc Pitcher home.

Donnie Perini and Buster Ball of Cottage Grove visited Saturday with Leon Lancaster.

Lawrence Palmer of the Mohawk visited one day last week at the William Guy home. The Guys have moved to the Palmer ranch.

Mr. and Mrs. Cliff Allen of Cottage Grove visited Sunday at the Roy Kennedy home.

Mr. and Mrs. Rawleigh Morris of Springfield visited Sunday at the Dan Brumbaugh home.

Grandma Castle has been confined to her bed with a bad cold.

Henry Rissue, an old time settler of Mosby creek, died Monday at his home here.

Miss Thelma Ball of Cottage Grove visited Saturday with the Fred Overton children.

Mr. and Mrs. Fred Overton visited Saturday at the Jessie Gilchrist home at Hebron.

Mr. and Mrs. Gardner King of Cottage Grove, Mr. and Mrs. Bus Pitcher and Bernice Kerr and children were visitors Sunday at the Doc Pitcher home.

E. C. Amundson of Centralia, Wash., preached Sunday afternoon at the Blue Mountain church.

Mr. and Mrs. Lee Dugan visited several days last week in Portland with their son Leo, who is in a business college there.

Mrs. Baldwin of Thornton Corners called Sunday afternoon at the Bert Lancaster home.

Mr. and Mrs. Harold Kirk of Disston spent Saturday night and Sunday at the Bert Myers home.

April 20.—The country has witnessed, under the agricultural adjustment act, the disbursement of a billion and a half dollars for the purpose of annually retiring thirty-five million acres from production for the avowed intent of obtaining parity prices for agriculture. The country has witnessed at the same time and in the same years the extraordinary and remarkable spectacle of the federal government entering upon what will amount to an ultimate disbursement of one billion, five hundred million dollars, in order to bring four million acres into production. The history of civilization presents no conflict of policy so stupid as this.

The farmers in my district complain to me that they were being destroyed in the New York, Philadelphia and Chicago markets by competition from products grown on government reclaimed lands. I made an investigation on the subject and came to the conclusion that not only were the farmers of New York state being wrecked by this fatal procedure, but that the farmers of the west and southwest were also being driven to the wall.

Putting these four million acres into production will further handicap the already precarious situation of the dairymen, and destroy the California growers of soft fruit, including pears, peaches and apricots, and will destroy the Oregon and Idaho farmers by new planting of apples and potatoes. It will furnish additional and destructive competition to the fruit growers of Virginia, Pennsylvania, New Jersey, New York, the New England states, Ohio, Michigan and southern Illinois. Putting these lands into production will seriously affect the present difficult situation of the wheat and corn farmers in Kansas, Iowa, Minnesota and the Dakotas.

Every foot of land reclaimed reduces the value of the existing farm acreage. A real dirt farmer in the state of Washington said:

"The placing of more lands under irrigation at this time is nothing short of confiscation of the homes and ranches of those people who have already invested their life savings in this state." — Rep. Francis D. Culkin of New York.

Senator Steiwer To Be Republican Keynote Speaker

United States Senator Frederick C. Steiwer, Oregon, was unanimously selected as keynote speaker for the republican national convention which will open at Cleveland, O., on June 9. His name was proposed by Ralph Williams, national committeeman from Oregon, vice chairman of the republican committee and director of arrangements for the convention.

Steiwer has been in the senate since 1927. He served as a lieutenant of field artillery during the world war. He stated that he was

"honored to accept" the appointment. Senator McNary said it was an excellent choice.

William D. Medley Dies.

William Dorris Medley, son of Mr. and Mrs. W. H. Medley of the Silk creek district west of Cottage Grove, died Wednesday of last week in Salem, where he resided. Interment was in Salem.

Mr. Medley was born and reared in Cottage Grove. He was a graduate of University of Oregon, where he was a member of Delta Tau Delta and also a star football player. Besides his parents, surviving relatives include his widow; two sons, Tom and Bob, Salem; two brothers, Clinton, Cottage Grove, and Huston, Butte, Mont.; an aunt, Mrs. Martha Littlefield, Eugene. He was a nephew of the late John S. Medley, former Lane county district attorney.

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