

Approved March 3, 1992
Date

MINUTES OF THE SENATE COMMITTEE ON AGRICULTURE

The meeting was called to order by Sen. Don Montgomery at
Chairperson

10:00 a.m./~~p.m.~~ on February 26, 1992 in room 423-S of the Capitol.

All members were present except:

Sen. Harder - Excused

Committee staff present:

Ranney Gilliland, Legislative Research
Lynne Holt, Legislative Research
Jill Wolters, Revisor of Statutes

Conferees appearing before the committee:

Jack Lindquist, President, Kansas Agriculture and Rural Leadership, Inc. (KARL)
Denise Kobuszewski, D.V.M., Valley Falls
Robert Haselwood, farmer, Berryton
Carissa McKenzie, farmer, Alta Vista
Chris Wilson, Kansas Fertilizer and Chemical Association
Larry Woodson, Director, Division of Inspections, State Board of Agriculture

The chairman introduced Jack Lindquist, Executive Director of Kansas Agriculture and Rural Leadership (KARL). He provided the committee written information which stated the history, program curriculum, lists of donors and organizational information about the KARL Program. (Attachment 1). Mr. Lindquist explained that the only state help for the KARL Program is office space provided on the campus of Kansas State University in Manhattan. He introduced three members of the KARL class, and they followed with comments about the program.

Denise Kobuszewski, D.V.M., from Valley Falls, explained that she was attending the class on a scholarship, but she would pay to attend as the class was a great learning experience. Dr. Kobuszewski stated that the class has thirty members made up of twenty from agricultural production and ten from agricultural related areas. She said that as much was learned from the students who come from across the whole state as from the speakers and class leaders. Enthusiasm was expressed for the plans of the second year of the class as well as for future classes of KARL.

Robert Haselwood, a farmer from Berryton, stated that he was attending KARL on a helping scholarship and was paying for the remainder. Mr. Haselwood explained that the various speakers from across the state had presented a broad spectrum of views, and this provided seed for many class discussions. Mr. Haselwood concluded that he started the class expecting to learn, and he had not been disappointed.

Carissa McKenzie, from Alta Vista, stated that she hoped to gain skills to help urban and agriculture people better understand issues, such as environmental issues, that affect us all. Mrs. McKenzie commented that, through the negotiations study, she had learned how to deal with the media.

During committee comments, Mr. Lindquist expressed appreciation for the many supporters of the KARL Program and expressed a hope for continued support to enable the program to continue. He commented that support had been from \$10 to \$30,000.

Committee comments noted that the KARL Program illustrates that government does not have to support everything. It was also explained that in other states a KARL Program started with a \$200,000 to \$300,000 grant from Kellogs, but in Kansas it did not and that Mr. Lindquist had done an excellent job.

Mr. Lindquist informed the committee that the second KARL class would begin in October of 1993.

CONTINUATION SHEET

MINUTES OF THE SENATE COMMITTEE ON AGRICULTURE,
room 423-S, Statehouse, at 10:00 a.m./~~p.m.~~ on February 26, 1992

SB 681 - Concerning fertilizer; relating to the analysis thereof.

Chris Wilson, Kansas Fertilizer and Chemical Association, testified in support of the bill. (Attachment 2).

Next to testify was Larry Woodson of the Board of Agriculture in support with amendments. (Attachment 3).

The chairman requested that Mrs. Wilson, Larry Woodson and staff, and the committee staff work on reaching an agreement for an amendment and report back to the committee no later than March 5.

The minutes of February 20 were approved.

The chairman announced the committee will meet on March 3, 4 and 5.

The meeting was adjourned at 10:46 a.m.

HISTORY OF THE KARL PROGRAM

In 1980 a representative of the state of Kansas attended a leadership development workshop hosted by the Kellogg Foundation, in Seattle Washington. An opportunity was at hand for numerous states to adopt a leadership development model, originated by the Kellogg foundation, at Michigan State University in 1965.

Unfortunately, a host entity for the program could not be agreed upon and the state of Kansas missed out on a possible \$250,000 seed capital grant garnered by 19 other states. This was not a complete loss though as a 'seed' had been planted.

Throughout the early 1980's several individuals discussed the idea of Kansas needing an agricultural leadership program. When Sam Brownback was named Secretary of Agriculture, he and Dr. Barry Flinchbaugh, KSU State Leader for Extension Agricultural Economics, became the sounding boards for those pushing for a program.

At this same time, the Program Development Committee of the Douglas County Extension Service was witnessing a growing rift of the rural and urban populations of the county, and asked for a program to address the communication gap. County Extension Agent for Agriculture, Jack Lindquist, responded to an idea from his wife Lindy, who was a recent graduate of the Leadership Lawrence Program, "why not start a leadership program for the ag industry?" Lindquist asked Brownback and Flinchbaugh to assist with the organization of what was to be the only county leadership program in the state that put it's emphasis on the agricultural industry.

The Douglas County Leadership Agriculture program was born, with 6 seminars and a visit to the state capital to complete the curriculum. Over 4 years the program had 56 graduates, with participants from nearly every farm enterprise and agribusiness represented. The graduates quickly responded to the training by working towards the assumption of leadership roles within and outside of Douglas County. The media also responded positively, providing much better coverage of agricultural issues than anyone could remember in recent years. The program was designated as a study or pilot project for a statewide effort.

During this period several individuals, including Lindquist, continued talking about the need for a statewide leadership program for the ag industry in Kansas. Many Commodity groups had there own program, but were purposely focused on the needs of the specific industry represented. Some of the individuals working the hardest on the pursuit of this 'statewide/industry wide' training program included: Patty Clark, K-State Ag Alumni member; Stan Ahlerich, Kansas Farm Bureau state delegate and Young Farmer and Rancher award winner; Chris Wilson, Kansas Feed and Grain Association employee; Jerry Porter, Kansas Wheat Growers Association Officer and Ray Purdy, Kansas Ag Bankers Association officer.

Flinchbaugh and Brownback had heard enough discussion from nearly every facet of the industry and knew it was time to act. A meeting was called of nearly every farm group in Kansas and the body met in May 1989 to discuss the feasibility of an ag leadership program. The farm group leaders fully endorsed the concept of the program, based on the Kellogg model, and elected a steering committee to organize the board.

The steering committee nominated the first board members and formally organized the board in October of 1989. Thirteen individuals from every part of the state and involvement in numerous agricultural and business related segments of the Kansas economy made up the board. Advisors or Ex officio members of the board included two legislators, Fred Kerr and Janis Lee; Walter Woods, Dean of Agriculture at KSU; Sam Brownback; Barry Flinchbaugh and Marc Johnson, Dept. Head for KSU Ag Economics.

*Senate Agriculture
2-26-92
Attachment 1*

At the first planning meeting of the board, it was determined that the most effective program should not be directly affiliated or financially dependant on any one organization or university. Due to the absence of the seed capital from Kellogg, halted in 1985, KSU volunteered to provide support in the form of office space and access to communication services and faculty, as an in-kind contribution.

The name Kansas Agriculture and Rural Leadership, Incorporated was adopted and several subcommittees of the board were created to serve as the development bodies for the by-laws and constitution of the group, filing of the group as a non profit corporation, curriculum development and fund raising. The board met monthly, and sub committees as frequently as needed, to complete the jobs. October of 1991 was established as the target date for training to begin for class I.

In May of 1990 25 applicants were screened for the position of Executive Director of the KARL organization. Jack Lindquist was hired in July of '90, to coordinate fund raising, public relations class applicant recruitment, curriculum development and program operations. The curriculum used for KARL Class 1 is based on a modification of the Douglas County KARL pilot project, the Kellogg model, and the Leadership Kansas program.

Application for 501c3 tax exempt status was completed in the fall of 1990 and accepted in February of 1991 allowing for the educational organization to operate as a private and independent corporation, given their own charitable foundation designation.

The mission statement of KARL?

To enhance the knowledge, broaden the perspectives and improve the communication skills of young Kansas agricultural and rural leaders, enabling them to communicate rural and agricultural needs to the population and to participate more effectively in local, state, national and global discussions.



Kansas Agriculture and Rural Leadership, Inc.

Program Curriculum

1991

Genesis

October 9-11, Manhattan

- Orientation
- Agriculture's Past, Present and Future
- Group Dynamic Skills
- Leadership - Skills, Styles and Perils
- +• KSU and Agricultural Research Tours

Community

November 13-15, Garden City

- Kings and King Makers
- Community Management
- Value Added Agricultural Products
- +• Beef and Other Industry Tours

Networking

December 11-13, Manhattan

- Sharing Your Ideas
- Listening Skills Workshop
- Fact vs. Fiction
- Writing Skills
- Professionalism in Agricultural Promotion
- Media Mania Workshop
- +• Farm Bureau Facility
- +• Dole Educational Comm. Center

1992

The Needs of The Many

January 22-24, Topeka

- Micro-Economics
- Macro-Economics
- Population Trends
- The Legislature
- Regulating Agriculture
- +• Kansas Capital Tour
- +• State Board of Ag Tour

Tools for Peace and Progress

February 19-21, Manhattan

- Skills in Conflict Management
- Population Needs
- Competition Within
- Military Aspects
- Diplomacy
- +• Fort Riley Tour

National Directions

March 16-22, Kansas City

- National Agriculture
- +• K.C. Board of Trade
- +• Farmland Industries
- Washington, D.C.
- U.S. Food Policy
- +• U.S.D.A.
- +• Environmental Protection Agency
- +• Domestic and Foreign Affairs
- +• U.S. Capital

Economic Revitalization

October 14-16, Hutchinson/Lindsborg

- Rural and Urban Economic Development
- Planning for Obsolescence
- Investing in a Quality Public School System
- +• Area Industry and Commerce Tours
- Saving Our Disappearing Communities

Adapting to Change

November 11-13, Independence

- Water Quality and Quantity
- Food Safety Issues and the Environment
- Animal Science Directions
- +• ARCO, Wolfcreek Tours
- +• S.E. KS Coal and Gas Tour
- +• Strickler Dairy Farm

International Trade

December 9-11, Wichita

- Import/Export Balance
- International Tour Briefing - Implications
- +• Industrial Tour, oil/gas/manufacturing and aviation

1993

Agriculture's Future World

January 13-15, Lawrence

- Discovering the Future
- Kansas History Review
- International Tour Briefing - Political Climate, Cultures and Customs

International Study Tour

March 17-31

- +• Trade Relationships
- +• Comparative Agriculture
- +• Cultures and Customs
- +• Domestic and Foreign Policies

The Power of One

April 15-16, Manhattan

- +• International Tour Review and Debriefing
- Challenge for Leadership
- Leadership Goal Setting
- Organization of Alumni Association
- Evaluation
- Graduation

+ = Tours

KARL CLASS I ROSTER

- 1.) Don Adams
Yates Center, Woodson County
Dairy Farmer; operation includes milk production, soybeans, wheat, milo, alfalfa.
- 2.) Keith Allen
Kismet, Seward County
Sprinkler Irrigation System Sales, Rainmaker Irrigation, Inc.; Part-Time Farm Operator; operation includes wheat, corn sorghum and soybeans.
- 3.) Steven Baccus
Minneapolis, Ottawa County
Farmer; including wheat, grain sorghum, soybeans, silage, corn, alfalfa; Municipal Court Judge.
- 4.) David Cross
Lewis, Edwards County
Farmer - Stockman; including cattle, alfalfa, wheat, soybeans, corn and milo.
- 5.) Richard Felts
Liberty, Montgomery County
Grain and Livestock Producer; operation consisting of market hog production, soybeans, milo wheat and corn.
- 6.) Martie Floyd
Johnson, Stanton County
Farmer - Cattleman, Owner/Manager Floyd Feedyard; commodities produced include cattle, corn, wheat, popcorn.
- 7.) Bradley Goering
Colby, Thomas County
Agriculture Education Instructor, Colby High School.
- 8.) Fred Hall
Goodland, Sherman County
Farmer and Computer Consultant; operation consisting of wheat, corn, soybeans sunflowers and milo.
- 9.) Robert Haselwood
Berryton, Shawnee County
Farmer, President of Haselwood Farm Inc.; operation consisting of soybeans, grain sorghum, corn, wheat, hay and brome seed.
- 10.) Ray Hemman
Hutchinson, Reno County
Journalist; farm writer for THE HUTCHINSON NEWS.
- 11.) Larry Hoover
Winfield, Cowley County
Banking - Vice President and Agricultural Representative, First National Bank, Winfield.
- 12.) Max Irsik
Cimarron, Gray County
Feedlot Consultant and Veterinarian; Irsik and Doll Feed Services, as well as Chairman of Executive Committee; part owner of Steve Irsik & Sons, where spends 50% of time in production ag consisting of feed production, cattle, grain and hay; owner of Flatlands Animal Hospital, Veterinary Practice.
- 13.) Michael Jensen
Wamego, Pottawatomie County
Executive Vice President, Kansas Pork Producers Council.
- 14.) Ken Jorns
Turon, Reno County
Farmer, operation consisting of wheat, grain sorghum and cattle.
- 15.) Denise Kobuszewski
Valley Falls, Jefferson County
Veterinarian.
- 16.) Roland Martin
Hartford, Lyon County
Dairy Farmer; operation includes milk production, beef, corn silage, alfalfa, prairie hay, corn, milo, wheat, soybeans.
- 17.) Carissa Culling McKenzie
Alta Vista, Wabaunsee County
Co-Owner/Part-Time Operator, farming operation; including cattle, grain and poultry.
- 18.) Jerry McReynolds
Woodston, Rooks County
Farmer/Stockman; operation includes wheat, beef (cow/calf and stocker/feeder), grain sorghum, alfalfa and forage sorghum.
- 19.) John Nye
Kingman, Kingman County
Banking - Vice President and Cashier, First National Bank of Kingman; part-time, Cow/Calf Operation.
- 20.) Barbara Oplinger
Jewell, Jewell County
Farm Partner and Homemaker; operation includes cattle, hogs, wheat, milo, small grains, forages, corn.
- 21.) Thomas Pressgrove
Lyndon, Osage County
Rancher/Real Estate Broker; 90% of time on operation, includes production of beef (140 cows, 150 grass cattle) and 400 acres of Hay.
- 22.) Ronald Rahjes
Kensington, Smith County
Farmer; including wheat, grain sorghum, sunflowers, soybeans, cattle; Tax Preparer, Jan. - April.
- 23.) Donald Schroeder
Inman, McPherson County
Farmer; including soybeans, corn, wheat, and milo.
- 24.) Mark Smith
Tribune, Greeley County
Farmer/Stockman; operation consisting of wheat, cattle and grain sorghum.
- 25.) John Thaumert
Sylvan Grove, Lincoln County
Production Agriculture; including wheat, feeder cattle, grain sorghum, alfalfa.
- 26.) Robert Torres
Pratt, Pratt County
Sales Representative; Elanco Animal Health Company.
- 27.) Brad Walter
Sublette, Haskell County
Pork Producer; 1,000 sow farrow- to-feeder commercial feedlot, sales include feeder through finish plus fresh and cured cuts, sold direct to consumers.
- 28.) Donita Whitney-Bammerlin
Manhattan, Riley County
Coordinator, Center for Disease Control/Center for Rural Education and Small Schools, KSU; 1/10th time as Agricultural Producer; including beef, prairie hay, alfalfa, wheat, registered quarter horses.
- 29.) Curtis Willhite
Leon, Butler County
Farm Manager; Willhite Farms, Inc., including market hogs, grain sorghum, wheat, soybeans, corn, hay and market lambs.
- 30.) John Yost
M o u n d r i d g e ,
Harvey/McPherson Counties
Owner/Operator of LIBERTY FARM; operation consisting of wheat, milo, soybeans, corn and alfalfa.

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1-5

KANSAS AGRICULTURE AND RURAL LEADERSHIP PROGRAM



CONTRIBUTORS TO DATE

Kansas Agriculture and Rural Leadership, Inc.
 Room 301, Umberger Hall, KSU
 Manhattan KS 66506-3408
 Phone (913)532-6300

KARL DONORS TO DATE

(* in-kind contribution)

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Funding Criteria

The cost of the Kansas Agriculture and Rural Leadership Program is approximately \$300,000 per class, or about \$10,000 per leader (class member). These costs are based on the experience of other states' programs as well as careful evaluation of the Kansas curriculum and what will be needed to carry out program activities. Leaders provide \$2,000 each -- \$60,000 total -- toward program costs.

Contribution Levels

Foundation, organization, corporate and individual contributions are needed to provide the additional \$8,000 fellowship cost of KARL's 30 participants, (\$240,000 per class). The following contribution levels, per class, have been designated:

Full Leader Sponsor \$10,000 or multiple
Seminar Sponsor 6,000-8,000
(depending on location)
Founders 5000 or more
Patrons 3000-4999
Builders 1000-2999
Supporters 500-999
Donors 100-499
Friends of KARL 10-99

Contributions to the Kansas Agriculture and Rural Leadership, Inc. Program may be made directly to the non profit, tax deductible organization. KARL, Inc. is a tax exempt corporation with 501(c)(3) status.

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KANSAS AGRICULTURE AND RURAL LEADERSHIP PROGRAM



A two-year program offering intensive study, training and travel for future leaders in agriculture and rural communities.

**KANSAS AGRICULTURE AND RURAL
LEADERSHIP, INCORPORATED**

Umberger Hall

Kansas State University

Manhattan, Kansas 66506-3408

PHONE (913)532-6300 FAX (913)532-7036

WHY IS THERE A NEED?

As this new decade begins, and as we approach the end of the 21st century, the 1980's vision of "global culture" has become a reality. Science and technology have demonstrated the ability to leap forward at an unprecedented pace and the winds of political and sociological change have grown in strength.

It has become obvious that all these factors will continue to render great impact on all aspects of rural communities and their leading economic contributors.

To ensure that the Kansas rural community can keep pace with the rate of change, it is imperative we supply informed, decisive, communicative leaders to represent our communities, keeping the public **factually** informed, as policies are formed and decisions are made.

To meet this challenge, Kansas State University, the Kansas Board of Agriculture, producers and concerned representatives from farm organizations, the banking industry and business corporations have formed "Kansas Agriculture and Rural Leadership, Inc."

The Kansas Agriculture and Rural Leadership Program objectives include:

1. The development of a program to build young, Kansas agricultural and rural leaders with greater knowledge, broader perspectives and improved communication skills to be able to communicate rural needs to the population and participate in local, state, national and global discussions.
2. To provide educational experiences at the local, state, national and international levels.
3. To improve decision-making and analytical skills of the leadership candidates, so that they may better serve their industry and their community, articulate needs and resolving differences.

WHO CAN PARTICIPATE?

Because of limitations in budgets, each class will be composed of 30 individuals (no more than one individual per family), two-thirds of whom will be actively involved as operators of production agricultural units and the remainder from agribusiness, related organizations, and current rural community leaders. Class members will be predominately between the ages of 25 and 45 and have demonstrated some leadership ability. Each participant will commit to completion of the program and will pay a program fee of \$2,000, **which may be generated with the assistance of matching funds from community resources.** Class participants will be openly recruited, screened, interviewed and selected, by June of each odd numbered year.

WHAT IS THE SCHEDULE?

Each class will meet 12 times, including 10 three day seminars, primarily October through March, over a two-year period. The class will convene for a total of 52 days with experiences that include workshops, seminars and instructional tours. Tours will include exposure to innovative production agricultural units, agri-business operations, and human services, as well as with representatives of other industries (specifically, aviation and energy) which also render impact on the state of Kansas. Purpose for the tours is to share ideas and a "case-in-point" of seminar and workshop topics.

Included in the program will be a national study tour of marketing and government centers in Kansas City and Washington, D.C., and an international study tour, to develop an appreciation and understanding of how the economy, culture and people of another country impact rural issues.

Speaking engagements and media reporting of all findings, throughout the program, will expose the general public to the knowledge and skills gained by the individual class members.

CURRICULUM OVERVIEW

The curriculum purpose is to enhance the effectiveness of Kansas' new agricultural and rural leaders by:

*Increasing understanding of economic, political, and social issues.

*Improving communication, problem solving, and leadership skills.

*Exposing participants to proven leaders and people with different cultures and viewpoints.

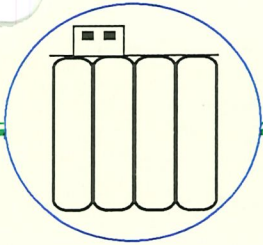
Learning through pre-seminar reading assignments, informal question and answer periods and participant reporting of highlights to the media will enhance the experience.

Due to their interest in helping the public, participants and graduates alike will often be called to help, testify or report knowledge and skills gained, whenever the need arises. They will often be the primary source of fact based information when the media is needing the "local angle" for news or features of local, state, national or international importance. The alumnus of many other states have historically developed a voluntary speakers bureau to continue to share their knowledge, skills and experiences gained.

HOW CAN YOU BE INVOLVED?

The KARL Program is needing promoters, recruiters and financial contributors. Any Kansan can be a supporter of the KARL program. When authorized, we provide the media with contributor lists and develop frequently updated flyers recognizing the support of our program sponsors. We will also involve the major contributors with seminars and events to recognize and honor them before the class members and to provide the opportunity for donors to meet the class leaders they are helping sponsor.

For more information contact the KARL office.



KANSAS GRAIN AND FEED ASSOCIATION

STATEMENT OF THE KANSAS GRAIN AND FEED ASSOCIATION

TO THE SENATE AGRICULTURE COMMITTEE

SENATOR DON MONTGOMERY, CHAIRMAN

REGARDING S.B. 681

FEBRUARY 26, 1992

Mr. Chairman and Members of the Committee, I am Chris Wilson, Director of Public Affairs for the Kansas Grain and Feed Association (KGFA). KGFA requested S.B. 681, which amends the Kansas Fertilizer Law to permit hydrolized feathermeal to be used in products sold in Kansas. We want to extend our appreciation to the Chairmand and Committee in allowing this bill and in holding this hearing today. We also appreciate the efforts of your staff in drafting the legislation. Your staff does an excellent job.

S.B. 681 would remove the prohibition now contained in K.S.A. 2-1202(1)(c)(F), which requires that an application for registration of a product include a guaranteed analysis which guarantees that no horn, hoof, hair, feathers or other similarly inert nitrogenous matter is contained in the product. A review by the staff of the Board of Agriculture found that no other state fertilizer law contains such a prohibition. This portion of Kansas law apparently dates back to 1907 when there was a problem with feathers being

applied to fields. While feathers are a good source of nitrogen, obviously the nitrogen in whole feathers is not readily available to plants and the feathers were at the time causing an environmental problem.

Today's hydrolized feathermeal is a good and well-accepted source of nitrogen, just as it is a recognized source of protein, allowed in feed. Mr. Chairman, we have worked with the staff of the Board of Agriculture in bringing this amendment to the Fertilizer Law before you, and we are in agreement with them on the proposed change.

Passage of S.B. 681 will allow manufacturers of fertilizer products which contain hydrolized feathermeal to sell their products in Kansas, which they currently are able to do in all other states and internationally. Most of these products are used on golf courses and lawns. Due to the timing of the lawn and golf course season in Kansas, we request that S.B. 681 be made effective upon publication in the Kansas Register.

We respectfully request that you report S.B. 681 favorable for passage. I would be glad to respond to any questions you may have.

####

SENATE COMMITTEE ON AGRICULTURE

Senate Bill 681

February 26, 1992

Mr. Chairman, Members of the Senate Committee on Agriculture. My name is Larry D. Woodson, and I am the Director of the Division of Inspections for the Kansas State Board of Agriculture and I am here to testify on Senate Bill 681.

The purpose of Senate Bill 681 is to amend the existing language and permit the use of processed tankage in the manufacturing of commercial fertilizer. The use of processed tankage in fertilizer applies primarily to packaged fertilizer products used for lawns and gardens. This will permit the use of slow release nitrogenous materials.

One of the proposed ingredients in processed tankage is hydrolyzed feather meal. The Association of American Plant Food Control Officials (AAPFCO) reviewed this subject and concluded that hydrolyzed feather meal fell under their definition of processed tankage and that no new definitions were needed. (AAPFCO Publication No. 43, 1990)

Processed tankage is defined in the AAPFCO Official Publication No. 45, 1992 Handbook as follows:

A product made under steam pressure from crude inert nitrogenous materials, with or without the use of acids, for the purpose of increasing the activity of nitrogen. These products shall be called "Process Tankage" with or without further qualification. The water-insoluble nitrogen in these products shall test at least fifty percent

*Senate Agriculture
2-26-92
Attachment 3*

(50) active by the alkaline, or eighty percent (80%) by the neutral permanganate method.

Tankage (without qualifications) is defined as:

The rendered, dried, and ground by-product, largely meat and bone from animals (slaughtered or that have died otherwise).

The agency is in support of the proposed changes with the intent of allowing the use of processed tankage including hydrolyzed feather meal. I recommend amending Senate Bill 681 as follows:

- F. A guarantee that the commercial fertilizer contains no horn, hoof, hair, feathers or unprocessed, inert nitrogenous material unless these materials have been processed in accordance with rules and regulations promulgated by the board.

I believe this amendment addresses the goal of permitting the use of processed tankage, including hydrolyzed feathermeal in commercial fertilizer used primarily for lawn and garden purposes while maintaining consumer protection.

This concludes my testimony. I or our staff will attempt to answer any questions the committee may have.

the packaging of a product features the picture or name of an animal, manure of that species of animal shall comprise more than 50% of the material in the container. Manures containing more than 30% acid insoluble ash (sand) shall be labeled "Sheep Manure and Sand", or "Dried Sheep Manure, Sand, and Other Inert Materials", etc. Manures containing more than 50% acid insoluble ash shall be labeled "Sand and Sheep Manure", or "Sand, Other Inert Matter, and Sheep Manure", etc. (Tentative 1990.)

- N-15. Garbage Tankage is the rendered, dried and ground product derived from waste household food materials. (Official 1951.)
- N-16. Hoof and Horn Meal is processed dried, ground hoofs and horns. (Official 1951.)
- N-17. Peat is partly decayed vegetable matter of natural occurrence. It is composed chiefly of organic matter that contains some nitrogen of low activity. (Official 1951.)
- N-18. Fish Tankage (fish scrap, dry ground fish, fish meal fertilizer grade) is the dried ground product derived from rendered or unrendered fish. (Official 1950.)
- N-19. Process Tankage is a product made under steam pressure from crude inert nitrogenous materials, with or without the use of acids, for the purpose of increasing the activity of nitrogen. These products shall be called "Process Tankage" with or without further qualification. The water-insoluble nitrogen in these products shall test at least fifty percent (50%) active by the alkaline, or eighty percent (80%) by the neutral permanganate method. (Official 1950.)
- N-20. Tankage (without qualification) is the rendered, dried, and ground by-product, largely meat and bone from animals (slaughtered or that have died otherwise). (Official 1950.)
- N-21. Sheep Manure-Wool Waste is the by-product from wool-carding establishments consisting chiefly of sheep manure, seeds, and wool fiber. (Official 1951.)
- N-22. Crude, Inert, or Slow-Acting Nitrogenous Materials are unprocessed organic substances relatively high in nitrogen but having a very low value as plant food and showing a low activity by both the alkaline and neutral permanganate methods, (below 50% and 80% respectively). (Official 1964.)

organic nitrogen were discussed.

The committee met on Thursday, August 10, 1989 at the Sheraton Gunter Hotel in San Antonio, TX with 33 regulatory officials and industry representatives present. The committee continued discussion of amending P4. Ammonium Phosphate to recognize the industry practice of adding non-ammonium nitrogen to DAP in order to make grade. The committee agreed to recommend to the Board of Directors a modification of the definition to recognize industry practice. The modified definition will be finalized prior to the mid-year board meeting in February.

The committee reviewed a proposed definition for Hydrolyzed Feather Meal. After discussion, a consensus was reached that this product falls under N-19. Process Tankage and that no new definition is needed. A subcommittee to study N-14 and its applicability to products of this type was appointed. The subcommittee is composed of Frank Johnson, Jim Minyard, Gary Braun, James Stevens, John Doyle, and Serge Brunner. Frank Johnson was appointed subcommittee chairman.

Norm Hargett of TVA asked the committee to consider a definition of specialty fertilizer. After prolonged discussion, an industry advisory committee composed of Vince Snyder, Serge Brunner, John Doyle, Tim Hunter, Jack Peters, Bob Stieb, and Dan Paradisio was appointed and charged to make recommendations to the committee.

Plant Directory

Janice T. Berry, Chairperson

The "Directory of Fertilizer Plants in the U.S. - 1988" became available for distribution in May 1988. As of July 1989, almost 1,100 copies had been sold having allowed about \$4,500 in additional funds to become available for AAPFCO programs. Directory sales are being handled by AAPFCO and requests for the directory should be directed to the treasurer, Joel Padmore, North Carolina Department of Agriculture, 4000 Reedy Creek Road, Raleigh, NC 27607. The charge is \$20 for U.S. and \$30 for foreign distribution. AAPFCO receives \$7 per copy until publication cost obligations are met, after which the full price (less postage and expense) is available for AAPFCO programs. Additional sales will enhance program possibilities. The directory Committee encourages each AAPFCO member to promote and advertise the directory whenever possible.

During the year, fertilizer industry analyses were developed for Alabama and Kentucky based on each state's directory survey results. The analyses were patterned after a paper by Norman L. Hargett and Janice T. Berry, "Today's Retail Fertilizer Industry", an analysis of the national fertilizer industry based on directory survey results. The Alabama paper was presented by Norman Hargett at the Alabama Soil Fertility Society annual meeting in Montgomery, AL on November 14-15, 1988. The Kentucky paper is to be published in the regulatory office's newsletter.



Cooperative Extension Service

Extension Agronomy
Throckmorton Hall
Manhattan, Kansas 66506
913-532-5776

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FEB 21 1992

KSBA - INSPECTIONS

February 21, 1992

TO: Richard Stair
FROM: David Whitney *David Whitney*
RE: Fertilizer Law Review

A possible revision to allow feathermeal, but still exclude the horns, hoof, hair, and feathers would be:

(F) a guarantee that the commercial fertilizer contains no unprocessed inert nitrogenous material, such as horn, hoof, hair, or feathers.

lh

Compost Maker

7-2-2

Coventry Gardens was designed for today's home gardeners, because you're concerned not only with the Earth, but with the environment in your own backyard.

You want delicious vegetables and beautiful flowers. You want a lawn where you and your children can relax and play. And you know that means special care.

Coventry Gardens lets you provide the nutrients that plants and soils need in an organic form and to us 'organic' means 100% from natural sources. We combine recycled and natural materials to give your lawn and garden exactly what they need. And we package them in 100% recyclable and biodegradable boxes.

Coventry Gardens...the right thing for the environment in your own backyard.

How to Get Started With Composting

Composting works as well in a purchased bin as it does in a small pile at the back of the garden. Begin with a 3-6 inch layer of organic material: grass clippings, leaves, discarded tomato vines, the outer lettuce leaves or carrot tops. Use any vegetable matter you have, but avoid adding diseased plant parts or weed seeds. The composting process will go more quickly if the material can be shredded before going into the pile.

Sprinkle 1³/₄ cups of Coventry Gardens Natural Organic Compost Maker over the top of this layer. If the pile is larger than 3 feet across, add proportionately more.

Take a shovelful or two of garden soil and spread it over the top of the pile.

The pile should be moist at all times: add water when necessary. If the pile dries out, composting will stop.

Continue building these layers, as yard debris becomes available, until the pile is about 3 feet high. Turn, mix or stir the pile every week or so to keep the process going.

What's Happening in That Pile?

Successful composting depends on several things; organic material, bacteria, moisture, air and nitrogen. The leaves, grass and other organic matter

are the foundation of the compost. Dry leaves, straw and large pieces of debris will take longer to break down than grass clippings and fresh foliage.

Turning the pile allows air to penetrate and puts the bacteria in contact with all of the organic material.

The bacteria and fungi that actually break down the organic matter are present in the garden soil you add and need moisture to do their work.

If composting stops, the microorganisms may need more nitrogen or other elements; mix additional Natural Organic Compost Maker into the pile and remoisten the pile.

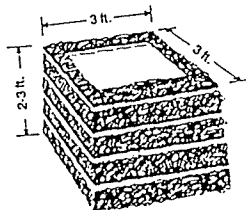
Do you use a 'weed and feed' type fertilizer on your lawn? Don't add the lawn clippings from a treated lawn to your compost pile until you have mowed the lawn three times. Discard the treated clippings in the trash.

What to Do With Compost

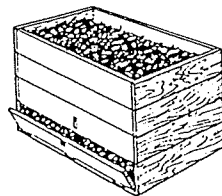
Compost can be an important part of every garden. It can be mixed in garden beds to improve the soil or used as a mulch to conserve water and keep weeds down. Composting recycles yard debris which is expensive to discard and is currently crowding our landfills. It can be a part of your household recycling system.

Coventry Gardens— a natural product aiding a natural process.

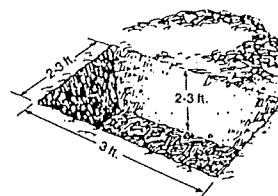
TYPES OF COMPOST SYSTEMS



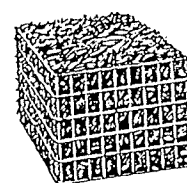
LAYERING PILE



WOODEN BOX



THE EARTH PIT



WIRE CAGE

Layering Compost: 3 to 6 inches of garden debris, 1³/₄ cups of Natural Organic Compost Maker, and a shovelful of garden soil. Repeat.

Coventry Gardens™

Natural Organic

Compost Maker

Guaranteed Fertilizer Analysis:

Total Nitrogen (N)	7%
7% Water Insoluble Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	2%
Soluble Potash (K ₂ O)	2%
Calcium (Ca)	1%
Sulfur (S)	1.5%

Derived from Feathermeal, Dried Poultry Waste, Bone Meal, Sunflower Hull Ash.

As with all gardening products...

Always wash your hands after use and avoid contact with eyes, nose, or mouth.

Always dispose of container properly. Coventry Gardens boxes are recyclable and biodegradable.

3-6

Citrus & Avocado Food

7-2-2

Coventry Gardens was designed for today's home gardeners, because you're concerned not only with the Earth, but with the environment in your own backyard.

You want delicious vegetables and beautiful flowers. You want a lawn where you and your children can relax and play. And you know that means special care.

Coventry Gardens lets you provide the nutrients that plants and soils need in an organic form and to us 'organic' means 100% from natural sources. We combine recycled and natural materials to give your lawn and garden exactly what they need. And we package them in 100% recyclable and biodegradable boxes.

Coventry Gardens...the right thing for the environment in your own backyard.

Homegrown fruit is a treat on any table. Backyard avocado and citrus trees of all types are a common sight in areas with hot Summers and frost-free Winters. Grapefruit, oranges, lemons, and limes can all be grown with just a little attention to their special needs.

The natural ingredients in Coventry Gardens Natural Organic Citrus & Avocado Food break down slowly to feed gently and assure that the nutrients required for top quality fruit and strong growth are available when the tree needs them.

Plants need more than just nitrogen, phosphorus and potassium. This plant food contains calcium for extra strength and vigor. Iron can be in short supply for these plants. Watch for an overall yellowing of the plant and add iron when needed.

Other plants that can benefit from this particular mix of plant foods are gardenia, lantana and bougainvillea.

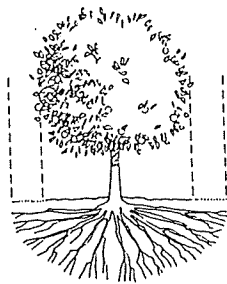
At Planting Time:

To see the best results with these or any plants, good soil preparation is the key. Organic matter gives the soil a lighter feel and helps it hold water when needed, but still drain well. Use compost, bagged manures, peatmoss and other similar materials.

At planting, mix the organic matter into a much larger area than the roots or root ball actually need. Then, as the plant roots grow, they can move into this good soil. Add Natural Organic Citrus & Avocado Food as you add the organic matter: 1/2 cup per 16 square feet (4'x4'). Before planting your citrus or avocado tree, pack down the soil directly under the root ball. This prevents the tree from settling.



Place Citrus & Avocado Food around the outer edge of containers.



Citrus and Avocados feed from the outer root zone. Apply beneath the outer leaves and a foot beyond.

During the Growing Season:

For citrus: Make four applications of Natural Organic Citrus & Avocado Food each season, beginning in early Spring. The amount depends on the age of the tree. Sprinkle the plant food at the dripline, mix lightly into the soil without disturbing the roots and water well.

Each application:
 First year 2 1/2 tablespoons Fourth year 4 1/2 cups
 Second year 2 cups Fifth year 6 cups
 Third year 3 1/4 cups Mature trees 10 3/4 cups

For avocados: Feed trees twice during the year, once in February and again in June. Sprinkle plant food at the dripline, mix lightly into the soil without disturbing the roots and water well.

Each application:
 First year 2 1/2 tablespoons Third year 7 cups
 Second year 1 1/2 cups Mature trees 10 1/4 cups

For container grown citrus and avocados: Mix garden soil with organic amendments to fill your container and plant the tree. Begin feeding your tree when you see new growth. Soil should be moist before adding plant food. Sprinkle Natural Organic Citrus & Avocado Food around the outer edge of the container and water well. Feed container plants every 6 weeks during the growing season.

Each application:
 First year 2 1/2 tablespoons
 Second year and beyond-
 up to 4 feet high 1/2 cup
 over 4 feet high 3/4 cup

Vigorous, growing plants produce abundant fruit and are the best protection against pests of all kinds. Enjoy your citrus and avocados at their peak of

Coventry Gardens



Citrus & Avocado Food

Guaranteed Fertilizer Analysis:

Total Nitrogen (N)	7%
7% Water Insoluble Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	2%
Soluble Potash (K ₂ O)	2%
Calcium (Ca)	5%

Derived from Feathermeal, Sunflower Hull Ash, Dried Poultry Waste, Kelp Meal

As with all gardening products...

Always wash your hands after use and avoid contact with eyes, nose, or mouth.

Always dispose of container properly. Coventry Gardens boxes are recyclable and biodegradable.

3-7