

MINUTES OF THE HOUSE COMMITTEE ON AGRICULTURE.

The meeting was called to order by Chairperson Joann Flower at 9:00 a.m. on January 15, 1997, in Room 423-S of the Capitol.

All members were present except: Representative Henry - excused  
Representative Lloyd - excused

Committee staff present: Raney Gilliland, Legislative Research Department  
Gordon Self, Revisor of Statutes  
Kay Scarlett, Committee Secretary

Conferees appearing before the committee:  
Linda Pease, Chairman, Kansas Foundation for Ag in the Classroom  
Barbara Meyer, Kansas Foundation for Ag in the Classroom  
Sandra Kramer, Administrator, Kansas Foundation for Ag in the Classroom

Others attending: See attached list

Chairperson Flower asked the committee to disregard the proposed committee rules and conferee information distributed at the January 14 meeting. In the interest of continuity, she recommended adoption of the suggested committee rules and conferee information presented at the Committee Chairmen's meeting January 14. With minor revisions, the suggested rules were adopted. (Attachment 1)

The Chair welcomed representatives of the Kansas Foundation for Ag in the Classroom.

Linda Pease, Chairman, Kansas Foundation for Ag in the Classroom, reported that their members represent both agriculture and education interests, but all members share the common interests and philosophy of the foundation to provide Kansas students with an understanding and appreciation of the food chain which is the foundation of all human life and to promote the well-being of agriculture as a necessary forerunner to the well-being of America. She introduced board members in attendance: Nancy Lindberg, Vice Chairman; Sandra Kramer, Administrator; Barbara Meyer; and Loreen McMillan. A copy of the foundation's annual report, a brochure, and a teacher newsletter are attached. (Attachments 2, 3, and 4, respectively)

Barbara Meyer provided a brief history of the foundation reporting that the USDA introduced the concept in 1982, providing no funding or directive as to how to proceed. On July 5, 1983, the Kansas Foundation for Ag in the Classroom was officially formed with two main areas of emphasis -- summer courses for teachers and the state fair. She reported that since 1985 almost 800 teachers have completed the two-week summer course now being offered in four locations -- Manhattan, Wichita, Kansas City, and Hays. The foundation's other activities include in-service training, adopting a classroom, assisting with the American Royal, day on the farm, newsletters, and ag kits available to county fairs.

Sandra Kramer, Administrator for the foundation, stated that the main objective of the foundation is reaching kids by teaching teachers, striving to integrate agriculture into the regular curriculum. She reported that the foundation's 1997 fiscal budget of \$80,000 included \$25,000 in state general fund matching dollars. The rest of their funding comes from agri-business, commodity groups, and individual sources. She said they are currently working on a quarterly ag newsletter for third graders and a World Wide Web page.

The meeting adjourned at 9:34 a.m. The next meeting is scheduled for January 21, 1997.



**COMMITTEE RULES**  
**1997**  
**KANSAS HOUSE AGRICULTURE COMMITTEE**

1. In any case where committee rules do not apply, House Rules shall govern. All powers, duties and responsibilities not addressed herein are reserved to the Chair.
2. Smoking is prohibited in committee rooms.
3. Cellular phones are prohibited in the House Agriculture Committee room, unless audible tones or ringers are disabled.
4. The Chair shall determine the committee agenda, including scheduling and the order of business.
5. The Chair reserves the right to limit testimony that is cumulative in nature and may limit testimony, when necessary, to a specific number of minutes.
6. Committee members shall not address conferees until and unless permission is granted by the Chair.
7. The Chair reserves the right to limit questioning of conferees by committee members in the interest of time and in the interest of fairness to conferees and other committee members.
8. Committee members shall not be approached during committee hearings or deliberations by anyone other than fellow legislative members or legislative staff.
9. No conferee shall be interrupted during presentations of their testimony, except with the permission of the Chair.
10. Questioning of a conferee shall be limited to the subject matter of the agenda item for the day, except as may otherwise be allowed by the Chair.
11. No bill or resolution shall be taken up for a committee vote unless announced by the Chair.
12. A motion requires a second to be in order.
13. A substitute motion is in order, but no additional substitute motion shall be in order until the prior substitute motion is disposed of.
14. Amendments to motions are not in order except upon consent of the member making the motion and his or her second.
15. A motion to table or take from the table shall be in order only when such item is on the agenda or is taken up by the Chair. The motion requires a simple majority and is, unless otherwise determined by the Chair, non-debatable.
16. There shall be no recording, audibly, photographically or otherwise, of committee voting except by the committee secretary.
17. A request from any member that their own vote be recorded shall be granted.
18. Granting excused absences is reserved to the Chair.
19. The Chair reserves the right to take such action as may be necessary to prevent disruptive behavior in the committee room during hearings and deliberations.
20. Adjournment is reserved to the Chair.

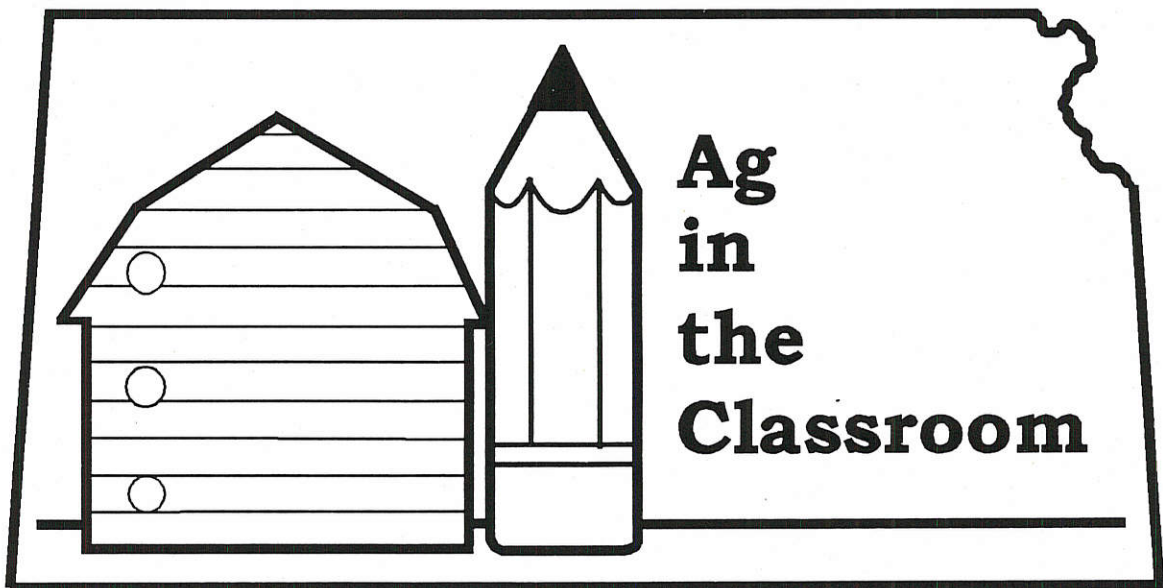
*House Agriculture Committee*  
*January 15, 1997*  
*Attachment 1*

**RULES FOR CONFEREES**  
**1997**  
**KANSAS HOUSE AGRICULTURE COMMITTEE**

1. The Chair shall determine the committee agenda, including scheduling and the order of business.
2. Individuals wishing to appear and provide verbal testimony before the committee **must** notify the committee secretary **24 hours** in advance of the hearing.
3. Testimony **must** be in written form and 25 copies made available to staff prior to testifying.
4. Conferees shall **not** read their testimony. Rather, testimony should be presented in summary fashion. Conferees shall introduce themselves, identify on whose behalf they appear, identify whether they appear as an opponent, proponent or interested neutral party and shall, as briefly as possible, state the reasons for their position. If suggestions for amendment(s) are to be offered, a proposed draft of the amendment(s) should be included in the written testimony.
5. Where the conferee is, or represents, the sponsor of the measure under consideration, the conferee is responsible for briefing the committee on the specific provisions of the legislation, section by section, where necessary.
6. Conferees shall address their remarks during testimony to committee members and staff only.
7. Where the number of hearings and/or conferees scheduled warrant time limitations, the Chair may limit testimony to a specific number of minutes. The Chair reserves the right to limit testimony that is cumulative in nature.
8. Testimony shall relate to the subject matter of the measure under consideration. Conferees testifying on unrelated subjects will be admonished and if unrelated testimony persists, the Chair may terminate that conferee's testimony.
9. While the taking of testimony in committee is not preceded with the formality of an oath, by appearing before the committee every conferee hereby certifies that his or her testimony is truthful, based upon facts that are capable of verification and offered in good faith. Conferees shall bring to the committee's attention any qualifications or corrections in their testimony.
10. The Chair reserves the right to take such action as may be necessary when a violation of the previous rule is suspected.
11. The Chair reserves the right to take such action as may be necessary to prevent disruptive behavior in the committee room during hearings and deliberations.
12. Cellular phones are prohibited in the House Agriculture Committee room, unless audible tones or ringers are disabled.



**Kansas Foundation for  
Agriculture in the Classroom  
1996 Annual Report**



*House Agriculture Committee  
January 15, 1997  
Attachment 2*

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In 1996, the Kansas Foundation for Agriculture in the Classroom continued to carry out its major objectives:

1. To provide Kansas students with an understanding and appreciation of the food chain, the foundation of human life.
2. To promote the well-being of agriculture as a necessary forerunner to the well-being of America.

The Foundation assists in the education of K-12 students by providing resources that integrate information about agriculture into science, math, language arts, social studies and other school curriculum.

This philosophy is gaining widespread acceptance and implementation in education as the interdisciplinary, whole language, holistic or integrated approach to teaching. Using this educational theory, all subject matters are taught around a common theme. For example, wheat can teach students plant growth, fractions, research and writing, geography, history, nutrition and much more. As one teacher said, "The students can't tell when one subject ends and another one begins since they all revolve around one topic."

The Foundation works with teachers, volunteers, students and others to carry out the following six concepts:

- Agriculture is . . .
- . . . the business that provides our food, clothing and shelter.
- . . . interdependent with the well-being of society in Kansas, the United States and the world.
- . . . a vital, dynamic system shaped by research and development.
- . . . influenced by government.
- . . . interdependent with the environment and uses natural resources.
- . . . historically significant.

Sandy Kramer, Administrator

Amy Marks and Julie Haden,  
Student Assistants

Kansas Foundation for  
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## Kansas State Fair

A "Teacher Rest Area" was located in the Foundation's booth, just outside the AgriLand agriculture education display at the Kansas State Fair this year.

Teachers stopped by the booth for a cool drink of water and information about the foundation and the summer courses. In addition, they received free copies of Ag related activities to take back to their classrooms.

The Foundation's booth also served as a meeting point for students going through the AgriLand educational display and for mini class presenters to meet teachers and students.

Over 500 teachers signed up to receive the KFAC newsletter and an opportunity to win educational materials and KFAC tee shirts.



Ag in the Classroom booth at the Kansas State Fair and AgriLand entrance.



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## **Personnel Committee**

The Personnel Committee was established during 1996. This committee will meet with the Foundation's administrator for regular job evaluations and provide input and support. Additionally the committee will review the organization's bylaws.

In the spring, the bylaws were reviewed and suggestions for changes were forwarded to the Board of Directors at their summer meeting. Changes were presented to bring the current bylaws up to date. The bylaws will be presented to the Foundation at the Annual Meeting for approval.

The Personnel Committee also met with the new administrator during the late summer for evaluation and to work with the administrator to identify program priorities for the coming year. The committee will meet again in January for a one year evaluation.

## **Legislative Report**

For the 1997 fiscal year, the State Board of Education was once again willing to request \$25,000 in their budget for the Kansas Foundation for Agriculture in the Classroom. Over the past few years the Governors have left us out of their budgets requiring an appeal to be made to put us back in. We've always been successful in getting the money restored but this process has always been long and tough. This year was different! Governor Graves, more than likely because of the influence of then Lieutenant Governor Sheila Frahm, included us in his budget. Therefore, our strategy for the 1996 legislative session was much different than in past years. To quote Jamie Clover Adams, "We just laid low." And we were successful. We have \$25,000 in matching funds for another year. This year our funds are State General Fund dollars and not from the Economic Development Initiative Fund (EDIF).

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For the 1998 fiscal year, the State Board of Education has included us in their budget for a \$25,000 appropriation. It is recommended to be out of the State General Fund. We won't know until the Governor presents his budget on January 7, 1997, if we will be included in his budget.

## **Summer Course Committee**

The first summer course sponsored by the Foundation in 1985 was offered at Kansas State University. Seventeen teachers participated in the two-week session for three hours of graduate credit. Since that time the summer course has expanded to four locations---Hays, Kansas City, Manhattan and Wichita in cooperation with Kansas State University, Wichita State University and Fort Hays State University.

Providing classroom teachers with broad exposure to agriculture as well as assistance in planning the integration of practical agricultural content into the teaching of traditional subjects: math, science, language arts, social studies, art, etc. is the goal of the courses.

Seventy-nine teachers from 64 schools completed the 1996 summer courses bringing the course alumni total to nearly 800 since the first course in 1985.

This year there was a mix of teachers from grade schools to middle and high schools. Both private school teachers and public school teachers participated.

In October the three facilitators from the summer courses met in Salina with Sandy Kramer and Barbara Meyer to discuss the continued improvement of the courses.



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## NATIONAL AG IN THE CLASSROOM CONFERENCE

Agriculture's Investment - Teachers and Children "Learning For A Lifetime" was the theme for the Ag in the Classroom National Conference in Monterey, California. Linda Pease, KFAC Chairman, and Sandra Kramer, KFAC Administrator, attended the conference on May 15 - 18 along with over 400 AITC representatives.

Pease and Kramer attended workshops ranging in the scope of board members roles and responsibilities, collaborating for successful fund raising, to successful Ag in the Classroom partnerships with the community. Meeting times were available for both board members and program administrators with Elizabeth A. Wolanyk, National Director.



Sandy Kramer & Linda Pease representing KFAC at NAITC Conference

Several special meeting times were designated for state contacts to meet and discuss reorganization ideas. Kramer was chosen to assist in the writing of a resolution to be sent to appropriate political representatives indicating that the Consortium of State AITC Programs go on record in strong and unified support of designated appropriations and personnel from the USDA on behalf of America's AITC programs and that the Consortium requests that these appropriate political representatives support the national program and its mission to foster the understanding of the importance of agriculture.

The Consortium of State Agriculture in the Classroom Programs was formed during the 1996 national conference to promote state and national efforts to help children, youth, teachers and other adults acquire a better understanding of agriculture. One of its first activities will be to call for and organize a National Coalition for Agricultural Literacy. A unified effort can only strengthen the AITC program on both the state and national level.

In addition to the energy infused into the conference atmosphere by the reorganization and unification of AITC programs, special tours highlighting California agriculture were offered. Some of the sites toured included a winery, lettuce farm, strawberry fields, prickly pear cactus farm, and the "Salad Time" production complex.



Discussion on grape growing and wine industry in Salinas County California



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## Summer Courses

The Kansas Foundation for Agriculture in the Classroom continued to extend its network of teachers across the state working to improve agriculture literacy this summer. Seventy-nine teachers from 64 schools completed the 1996 summer courses bringing the number of course alumni to nearly 800 since the first course began in 1985.

The summer program has grown from one site and 17 teacher participants in 1985 to four sites and 80 to 100 teachers participating in the classes each year. Kindergarten through Grade 12 teachers take part in these four courses located in Hays, Wichita, Manhattan, and Kansas City. Three hours of graduate credit are earned at the completion of each course. Five colleges at three state universities extend this credit. Those colleges involved in the process are:

Kansas State University Colleges of Agriculture and Education

Fort Hays State University Colleges of Education and Health and Life Sciences-Agriculture Department

Wichita State University College of Education.

Faculty from these three universities also serve as instructors for the courses.

Sponsorship for the courses has grown also. In 1985 less than 20 sponsors provided the scholarship support needed for teacher tuition and course expenses. Now, in 1996, more than 100 supporters from the agriculture industry and educational field make it possible for each teacher to participate in the summer course of their choice by providing a full tuition scholarship.

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Summer courses are designed to inform teachers of the importance of agriculture in all aspects of society. Teachers are exposed to a variety of agriculturally related topics ranging from cattle ranching and ostrich farming to Christmas tree farming. They learn from taking many field trips, hearing excellent, experienced presenters, and interacting during hands-on activities.

Highlights from the Wichita course included tours of the Sedgwick County Zoo, a Christmas tree farm, a sausage plant, and area farms. Teachers attending class on the Fort Hays State campus toured the university's Agriculture Experiment Station, a gluten plant, a buffalo ranch, and enjoyed a barbecue lunch of ostrich burgers at an ostrich farm.

In Manhattan, on the Kansas State University campus, teachers learned to mill flour, toured the KSU research farms and veterinary medicine complex. They also visited a family farm, horticultural center, and learned about the meat industry and food safety. Kansas City course teachers toured a greenhouse, farm, underground storage, the Kansas City Board of Trade, and the American Royal. A visit to an ostrich farm was also scheduled for these class participants.

Teachers at each course received samples of the state's five major grains from the Kansas Farm Bureau Women and learned how to make bread in a bag and butter in a jar.

Six representatives from the Kansas Department of Agriculture made presentations at all four summer course locations. Activities and information pertaining to statistics, water, weights and measures were introduced to the teachers.

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Scholarship luncheons at each site gave teachers an opportunity to interact with Foundation and Board members and scholarship donors. More than \$36,000 was raised this year to help fund the summer courses.

As a result of the number of teachers participating in the Ag in the Classroom summer courses, the number of teaching units available is also growing. To receive credit for the course, teachers must design a teaching unit to be used in the classroom incorporating the food and fiber concept. These units must integrate agriculture into math, social studies, language arts, science, and art curriculum.

A strong Ag in the Classroom alumni network is developing in the state of Kansas. These alumni are encouraged to present programs to their scholarship sponsors, to conduct in-service training for other teachers in their school districts, and share the information and materials received during their class experience with their colleagues.

## **MIDWEST REGIONAL NETWORK**

As a result of the national Ag in the Classroom Conference our network of state contacts has been strengthened. In November, 1996 a meeting of the state contacts from Nebraska, Missouri, Iowa and Kansas will meet in St. Joseph, Missouri to discuss summer workshops, a possible four-state project and funding resources.



## 1996 Donors

### Nurturer: \$3,000 and beyond

Kansas Farm Bureau

### Cultivator: \$1,000 to \$2,999

Kansas Livestock Association  
Kansas Beef Council  
Kansas Committee of Farm Bureau Women  
Shawnee County Farm Bureau  
Miller Meester/ Bertram  
Kansas Farm Bureau Services  
Johnson County Farm Bureau  
Sedgwick County Farm Bureau  
Leavenworth County Farm Bureau  
Wyandotte County Farm Bureau

### Planter: \$500 to \$999

Kansas Agricultural Aviator's Association  
Farmland Industries, Inc. (Region 2)  
Saline County Farm Bureau  
Leavenworth County Conservation District  
Kansas Pork Producers Council  
Wyandotte County Conservation District  
Brown County Conservation District  
Kansas Corn Commission  
Saline County Conservation District  
Kansas Soybean Commission  
Kansas Grain Sorghum Commission  
Farm Credit Bank

### Steward: \$250 to \$499

Franklin County Farm Bureau  
Lane County Conservation District  
Linn County Farm Bureau  
Jefferson County Conservation District  
Midland Dairy Council  
Mr. and Mrs. Donald L. Montgomery  
Kansas Cooperative Council  
Wilson County Conservation District  
Riley County Farm Bureau  
Osage County Farm Bureau  
Ag Service, Inc.  
Pine Family Farms  
Kansas CattleWomen  
Cowley County Farm Bureau  
Douglas County Conservation District  
Dickinson County Farm Bureau  
Dillons Stores  
Osage County Conservation District  
Kansas Council of Chapters of the Soil &  
Water Conservation District  
Cheyenne County Conservation District  
Ellis County Conservation District  
Horticultural Services  
Crawford County Farm Bureau  
Nemaha County Conservation District

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**Sustainer: \$100 to \$249**

**Producer: Up to \$100**

Cloud County Farm Bureau  
Pratt County Conservation District  
Murphy Aviation  
Morris County Farm Bureau  
Neosho County Farm Bureau  
Big Creek Fertilizer, Inc.  
Cooperative Grain & Supply  
Farmers Cooperative Co.  
Collingwood Grain, Inc.  
Lane County Feeders, Inc.  
Labette County Farm Bureau  
Boettcher Enterprises, Inc.  
ECCO Ranch, Inc.  
Fairbank Equipment  
Riley County Conservation District  
Jackson County Conservation District  
Cowley County Conservation District  
Reno County Farm Bureau  
Anderson County Conservation District  
The Reactor, Inc.  
Decatur County Conservation District  
Marshall County Conservation District  
Morris County Conservation District  
Pottawatomie County Farm Bureau  
Phillips County Farm Bureau  
Kansas Corn Growers Association  
Kansas Grain Sorghum Producers Association  
Grace Flying Service  
Rush County Farm Bureau  
Ohlde Seed Farms, Inc.  
Ottawa County Farm Bureau  
Northwest Kansas Production Credit Association  
Federal Land Bank Association of Colby  
Decatur County Feed Yard, Inc.  
Pat Vining  
Farmway Coop, Inc.  
Shawnee County Conservation District

Stafford County Extension Council  
Albie Rasmussen  
Faye Howbert  
Jeanne Mertz  
Van Hoozer Brangus  
Joyce Wasmund  
River Valley Farms  
Pratt Feeders, LLC  
Kansas Farm Bureau Women  
Thomas County Conservation District  
Bud White  
Greenwood County Farm Bureau  
J-Six Farms, Inc.  
Remark, Inc.  
Linda Pease  
Sandy Kramer  
Greenwood County CattleWomen  
Lorene McMillen  
Rezac Land & Livestock Commission  
Douglas Beech  
Southern Kansas Pork Producers  
Karen Pinkall

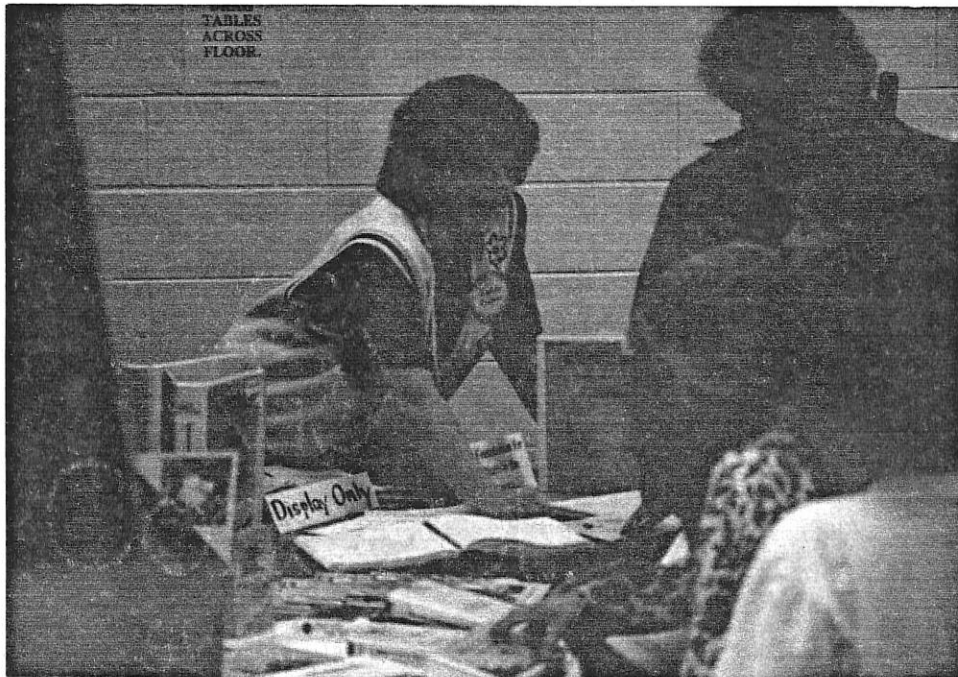
*Thank You!*

## TEACHER TRAINING

Nineteen ninety-six saw an increased emphasis on the importance of teacher training. The KFAC administrator made presentations to teachers at numerous "Day on the Farm" locations.

One interesting presentation was made to the Wichita Reading Council's Conference. These teachers learned how to integrate the food and fiber concept into their language arts and reading curriculum based on books in the Foundation's library. A book list of selections available to teachers for check out in the KFAC library was provided each teacher in attendance.

Presentations were made to over 50 teachers at the Earth Day Celebration in Parsons, Kansas. These teachers reviewed AITC resource materials and learned about the summer courses and activities offered.



The KFAC office library of materials continues to improve. Not only is there an extensive selection of videos and complimenting materials, but the file of teaching units prepared by summer course teachers continues to grow. Efforts are being made to



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create an awareness in teachers of the availability of information in the KFAC office. A new list of Kansas Agricultural Resources has been provided to all teachers in our 1996 summer courses and is available on request at the KFAC office. Teachers have been encouraged to contact the office in order to utilize the units that have been previously prepared in their classrooms.

The Kansas information on available materials in The Resource Guide to Educational Materials About Agriculture published by the USDA has been updated and distributed to each teacher participating in the AITC 1996 summer courses.

Contacts have been made with several home school associations in the Wichita, Salina and Manhattan areas concerning possible teacher in-service training sessions.

## **FARM BUREAU VIDEO AND TEACHER CURRICULUM**

The Kansas Foundation for Ag in the Classroom and the Kansas Farm Bureau worked in collaboration to develop a video and accompanying curriculum guide for teachers. The video entitled "A Year on a Kansas Farm" was the brainchild of farmer Steve Baccus from Minneapolis, Kansas. Three teachers from the Manhattan school district were chosen to assist in the development of the curriculum in order to meet the QPA standards required by the state.

The video, curriculum guides and resource materials were provided to the teachers participating in the 1996 KFAC summer courses. These teachers will supply input concerning the usability of these materials. An updated version of the video and support materials will be available for purchase by August,

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913 746 5576

Honorary Members

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Manhattan, KS 66506

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Administrator  
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Manhattan, KS 66506  
913 532-79464



Jeff Gwartz talks about grains and milling



Learning about life on a small family farm

## YOU CAN HELP KFAC

A public/private partnership dedicated to increasing agricultural literacy, the KFAC relies on contributions of money, time, and talent to ensure the success of its program. As an individual, company, or association, you can help by donating any of the above.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone: Work \_\_\_\_\_

Home \_\_\_\_\_

Fax \_\_\_\_\_

Enclosed find my contribution for:  
\$ \_\_\_\_\_

I am interested in helping with \_\_\_\_\_  
\_\_\_\_\_

For More Information or to Obtain Resources

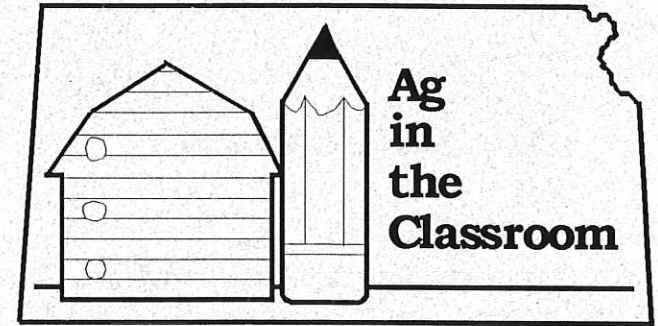
*Write or call:*  
Kansas Foundation for Agriculture  
in the Classroom  
124 Bluemont Hall  
1100 Mid-Campus Drive  
Manhattan, KS 66506

Sandra Kramer, Administrator  
Phone: (913)532-7946.....Fax: (913)532-7340

The Kansas Foundation for Ag in the Classroom  
124 Bluemont Hall, KSU  
1100 Mid-Campus Drive  
Manhattan, KS 66506

## THE KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

*House Ag Committee  
January 15, 1997  
Attachment 3*



*Kansans working together for  
agricultural literacy*





## KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

The Foundation is comprised of agricultural organization leaders, farmers, educators, legislators and others who work together to help teach children about the importance of agriculture in their lives. Rather than teaching separate classes, the Foundation helps teachers integrate information about agriculture into regular math, science, social studies, language arts and other various curriculum. This interdisciplinary approach helps young people have a better understanding of their food and fiber sources as well as ensuring a keener awareness of the No. 1 industry in Kansas.

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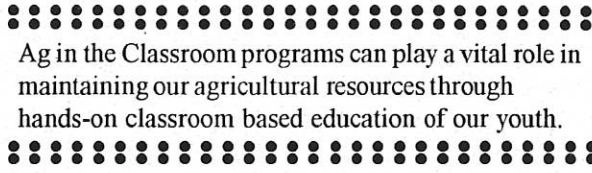
### MISSION STATEMENT

To actively involve people in understanding the impact of agriculture on their lives. This is done by working with teachers to help them learn about this state's number one industry and to assist them as they pass this message to their students in daily teaching.

---

### AGRICULTURE IS.....

- 1.....the business that provides our food, clothing, and shelter
- 2.....interdependent with the well-being of society in Kansas, the United States and the world
- 3.....a vital, dynamic system shaped by research and development
- 4.....influenced by government
- 5.....interdependent with the environment and uses natural resources
- 6.....historically significant

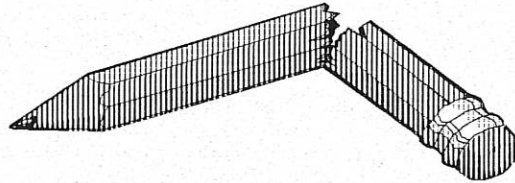


Ag in the Classroom programs can play a vital role in maintaining our agricultural resources through hands-on classroom based education of our youth.

### Summer Courses For Teachers

Approximately 100 teachers take part in the two-week Integrating Agriculture into the classroom courses each summer. These courses are held in Hays, Wichita, Manhattan, and Kansas City. In addition to learning about various areas of agriculture and how they can utilize that information in their classes, teachers attending the summer courses are required to develop a teaching unit that is shared with other teachers across the state.

Scholarships from various ag organizations, agribusinesses, foundations and interested individuals make this program possible for the teachers.



### Resource Library Available

A library of teaching units, audiovisuals, resource materials, posters and other educational materials provides information and teaching supplements to teachers. A telephone call to or a contact with the KFAC office can lead a teacher to a variety of resources on various agricultural topics for different grade levels.

## JUST LOOK WHO'S INVOLVED

Kansas Ag Aviators..Cloud County Farm Bureau.. Kansas Farm Bureau..Franklin County Farm Bureau..Lane County Conservation District..Murphy Aviation..Crawford County Farm Bureau..Shawnee County Farm Bureau..Linn County Farm Bureau..Morris County Farm Bureau..Jefferson County Conservation District.. Farmland Industries Inc.. Neosho County Farm Bureau.. Kansas Cooperative Council..Big Creek Fertilizer Inc..Cooperative Grain and Supply.. River Valley Farms..Collingswood Grain..Lane County Feeders.. Farmway Cooperative..Labette County Farm Bureau..Pratt Feeders, LLC..Boettcher Enterprises.. Kansas Farm Bureau Women..Ohlke Seed Farms..Ottawa County Farm Bureau.. Federal Land Bank of Colby..Wilson County Conservation District..Decatur County Conservation District..NW Kansas Production Credit Association.. Kansas Pork Producers Council..ECCO Ranch, Inc.. Nemaha County Conservation District..Fairbank Equipment.. Saline County Farm Bureau.. Johnson County Farm Bureau..Riley County Conservation District..Sedgwick County Farm Bureau..Jackson County Conservation District.. Leavenworth County Farm Bureau.. Thomas County Conservation District.. Cowley County Conservation District..Leavenworth County Conservation District.. Riley County Farm Bureau..Osage County Farm Bureau.. Greenwood County Farm Bureau..Ag Service Inc.. Kansas CattleWomen.. Reno County Farm Bureau.. Anderson County Conservation District..Cowley County Farm Bureau..Douglas County Conservation District.. Dickinson County Conservaton District.. Wyandotte County Farm Bureau.. Kroger Company.. Decatur County Conservation District.. Wyandotte County Conservation District.. Marshall County Conservation District..Morris County Conservation District.. Pottawatomie County Farm Bureau..Kansas Corn Growers Association..Kansas Grain and Sorghum Growers Association..J Six Farms..Remark..Brown County Conservation District..Kansas Council of Chapters of Soil Conservation Districts..Cheyenne County Conservation District..Ellis County Conservation District.. Midland Dairy Council..Horticultural Center..Kansas Department of Agriculture..Kansas Department of Education..Kansas Wheat Commission..

JUST TO NAME A FEW!!



## 1997 Ag in the Classroom Summer Class Dates Set

The dates for the 1997 summer courses have been set! The Foundation has been receiving requests for application forms already, and we anticipate another great summer spent spreading the message of the importance of agriculture! The dates and locations are:

- Hays ..... June 2-13
- Wichita ..... June 16-27
- Manhattan ..... June 30-July 11
- Kansas City ..... July 14-25

These classes are designed for K-12 teachers who have an interest in integrating activities about agriculture into their curriculum. The classes combine a hands-on approach with many activities, sample curriculum, presenters, and field trips. The instructors are versed in ag education, production, agribusiness, research, processing, marketing, teacher education and more. They teach about agriculture and help participants use this information back in the classroom. This course will provide the knowledge and experience needed to integrate agriculture into all subject areas.

Teachers receive three hours of graduate credit plus challenging and exciting educational experiences. Each class participant also receives many educational resources and materials as well as ideas for a multitude of projects and activities for integrating agriculture into all K-12 curricula.

This combination is an excellent way to get teacher re-certification credits, meet others of "like mind," learn about a multitude of resources state-wide, and have fun. Those of you who have attended this class, please share the experience with your colleagues. Encourage them to apply for the 1997 class closest to them! Those of you who have not taken this class, apply today! A teacher in our Kansas City class this summer said "this class should be mandatory! Every teacher in Kansas should take this class!" Quite a recommendation!

*Please contact the KFAC office for an application form today!*

## Outstanding Teacher Award

Information on our outstanding teacher award will be included in the December Teacher Newsletter. Outstanding teacher criteria and an application for that recognition will be enclosed for your review. The individual chosen as the KFAC Outstanding Teacher will win a trip to the Ag in the Classroom National Convention in May! Watch for this important information!

## Who Directs the Kansas Foundation for Ag in the Classroom?

The Kansas Foundation for Ag in the Classroom, its Board of Directors and Foundation members include representatives from agricultural organizations, commodity groups, educational organizations, governmental agencies, agribusinesses and other individuals interested in improving agriculture literacy in the state of Kansas. The Kansas Foundation for Ag in the Classroom is affiliated with the National Ag in the Classroom Association.

## Our Newsletter Needs a Name

As you can see this newsletter is in need of a name! As I indicated to all of you previously in the "back to school" flyer, a contest is underway for the newsletter name. We've already had some excellent entries submitted. The teacher submitting the winning name will receive a Thank a Farmer for Pizza educational kit plus a pizza party for his/her class! So get busy teachers! Send me your ideas! Deadline for suggestions is November 29, 1996.

Kansas Foundation for Agriculture in the Classroom  
124 Bluemont Hall, KSU  
110 Mid-Campus Dr.  
Manhattan, KS 66506

## Thanks Farm Credit for Your Support

The Kansas Foundation for Ag in the Classroom would like to thank Farm Credit for helping to sponsor this first issue of the Ag in the Classroom Newsletter. Farm Credit associations make and service long-term mortgage loans



## Ag in the Classroom Newsletter Fall 1996

This newsletter is published by the Kansas Foundation for Agriculture in the Classroom and sponsored in part by Farm Credit.

Director: Sandy Kramer  
Copy Editor: Communication Services  
Designer: Marsha Jensen

*House Agriculture Committee  
January 15, 1997  
Attachment 4*



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Kansas Grain Sorghum  
Producers



## Teacher's Corner

### Jody and Marsha Rogers

Units on Kansas Crops fill the fall curriculum for the entire elementary school (K-5 at Golden Plains Elementary in Selden, Kansas. Jody Rogers (Hays 1996) and Marsha Rogers (Hays 1996) are sharing the materials they received and created at the Hays summer course with all the other teachers at Golden Plains Elementary. Marsha indicates that she is also finding lots of "neat stuff" on the Internet. Jody says, "Our project is called Kansas Crop Kaleidoscope. We're basically putting together a curriculum--this year on crops, next year on animals. We plan to do some video taping of our projects and each class will present something they did to the whole school in November." Jody continues, "I think we're going to get KSNK-TV to come and tape something for the local news! We want to get Golden Plains some recognition!"

Great work, Jody and Marsha and Golden Plains! Please keep us posted on your ongoing project. I know everyone reading this newsletter will be interested in hearing about your successes! Of course, we can all learn from those difficulties you encounter, so share those as well.

### Donna McMillan



Donna McMillan (Kansas City, 1996) is probably known as one of the Coolest teachers at Altoona-Midway this year! Donna attended the Kansas City Ag in the Classroom course this summer and incorporated part of what she learned with an open house to help students and parents get acquainted. Her third graders participated in the fun experiment of making ice cream in a bag. This process required reading and following the recipe, measuring ingredients and a science lesson... watching the liquid become a solid.

The kids, of course, then got to sample the fruits of their labor... the ice cream.

Donna plans to cover this lesson more extensively during the school year, along with another experiment, making bread in a bag, which the students will make to celebrate Kansas Day in January.

### Jane Vanek and Joelene Vitztum



Jane Vanek (Hays 1996), first grade teacher at St. Joseph School in Hays reports that she and her twenty first graders are busy learning about farm animals. Jane says, "Our theme for

the year is Life on a Farm, and we are well into our farm animal unit! We made our farm headbands, have sung "The Animals of the Farm" song, and have started our barnyard scenes. We have watched the June, July, August, and September "On the Farm" video from Farm Bureau, and we have also made our Farm Animal Books. The kids are really getting into it! This week we will finish our barnyard scenes and make our Frosty Purple Cows."

Joelene Vitztum, (Hays 1996), kindergarten teacher at St. Joseph School, and Jane are making a scrapbook of all classroom activities, complete with pictures. After they complete this farm animal unit, they will begin a monthly agriculture related project or field trip. In May they plan to close their Life on a Farm theme with a field trip to Agriculture Awareness Day at Fort Hays State University.

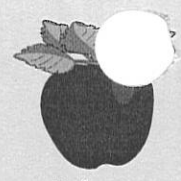
Hopefully, Joelene and Jane can keep our readers posted on their student's response to this Life on a Farm theme. Give us suggestions on how others can incorporate this ambitious program in their curriculum!



First graders from St. Joseph School in Hays are proud of their Farm Animal Books. Jane Vanek's students are hard at work proudly promoting agriculture!



# Activities



## Pumpkin Facts

The two groups of pumpkins are Stock and Cheese. Stock pumpkins are large and are used for canning and food for livestock. Cheese pumpkins, also known as Sugar pumpkins, are smaller and have a better flavor.

Today pumpkins are grown in nearly every country in the world.

Pumpkins come in many shades of yellow, tan or orange and vary in shape from flat and round to tall and round.

Pumpkin flesh can be made into many different foods--pies, custards, muffins, breads, soups and casseroles. The seeds can be roasted and salted for a tasty snack.

## Toasted Pumpkin Seeds

Materials: Pumpkin seeds  
Salt or seasoned salt  
Melted butter or margarine

- A. Put seeds in a colander or strainer and rinse under cold water and dry on paper towels.
- B. Preheat oven to 400 degrees, spread seeds on a cookie sheet.
- C. Bake in the oven and watch closely so that seeds toast and not burn.
  1. Stir the seeds often
  2. Bake 15 to 30 minutes until seeds are crisp.
- D. Remove cookie sheet from the oven and put seeds in a container with a tight lid.
- E. Just before eating, pour on a little melted butter and toss. Sprinkle with salt.

## Jack-O-Lantern Delights

Here's a great idea to have in your Halloween bag of tricks! Use pinking shears to cut three inches from the top of an orange, lunch-size paper bag. (If you can't find an orange bag, substitute a white paper bag which has been painted or colored orange.) On one side of the bag, sketch and cut out jack-o-lantern facial-feature outlines. To the top, staple a green construction paper stem and curling-ribbon "vines." Line the bag with yellow tissue paper. Scatter student-made jack-o-lanterns throughout your classroom for a delectable display. *HINT:* On Halloween day, deposit a few treats (candies, stickers, pencils, etc.) into each student's jack-o-lantern. In little more time than it takes to say, "Bibbity, bobbity, boo!", orange paper bags have become jack-o-lantern delights!

## Pumpkinology

### Objectives:

1. To observe in pairs the characteristics of individual pumpkins.
2. To identify pumpkin in a group of five other pumpkins by applying previous knowledge.
3. To describe roles played by students in a compare/contrast paragraph.

### Materials:

one pumpkin for each pair of students, blindfolds

### Procedure:

1. Pair students together and number them 1 and 2 within the pair. Blindfold # 2 student of each group.
2. Pass out pumpkins to #1 person. This person has to explain the characteristics of the pumpkin to the blindfolded (#2) person. The #2 person may touch it, but not talk. Their knowledge comes from the description provided by the pair and by touch.
3. Group 5 pumpkins together and challenge #2 person to select their pumpkin.
4. Switch roles and pumpkins.
5. Discuss how # 1 and # 2 persons felt.
6. Assign students to write a paragraph comparing/contrasting the two roles.

## Pumpkin History

Pumpkins have been grown for many centuries. The seeds have been found in ancient Asian and Peruvian ruins dating back to 188 B.C. Indians who met the Spanish conquerors of Mexico on the banks of the Rio Grande River in 1520 brought pumpkin seeds as a peace offering. The Indians would feed raw pumpkin to their livestock. The juicy flesh was cooked in their food and the seeds were either roasted or ground up and used in bread-like cakes.

It was the Indians who introduced pumpkins to the early American settlers. They taught the Pilgrims how to cook pumpkin and how to prepare dried pumpkin which would last through the winter. Pumpkin was served at the first Thanksgiving--but not as pumpkin pie!

The custom of carving jack-o-lanterns goes back to very early times, when people believed that scary-looking pumpkins could protect the other crops from the coming of "demon" winter.

## From Johnny Appleseed

Of Johnathon Chapman  
Two things are known,  
That he loved apples,  
That he walked alone...

For fifty years over  
Of harvest and dew,  
He planted his apples  
Where no apples grew.

The winds of the prairie  
Might blow through his  
rags,  
But he carried his seeds  
In the best deerskin  
bags....

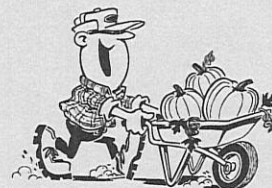
Why did he do it?  
We do not know.  
He wished that apples  
Might root and grow.

He has no statue.  
He has no tomb.  
He has his apple trees  
Still in bloom.

Consider, consider,  
Think well upon  
The marvelous story  
Of Appleseed John.

---Rosemary and  
Stephen Vincent  
Benet

*The real name of Johnny  
Appleseed is John  
Chapman. He lived in  
the 1800's, roaming the  
frontier states of Indiana,  
Ohio, and Illinois. He  
was a preacher as well as  
an appleseed planter.*

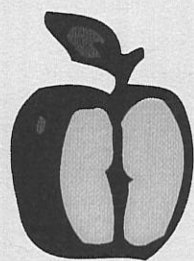


## How About a Pumpkin Relay?

# Math Activities

## Getting to the Core

Subject Areas  
Science and Math



### Objectives

The student will:

1. Understand how much of the earth's surface can actually be used for food production as compared to how much of the earth is ocean, deserts, mountains, etc.
2. Be able to make a graph depicting the portion of the earth used to grow food versus the other areas of the earth such as water or various land regions.

**Grade Level** K-6, *modifying to fit appropriate grade level*

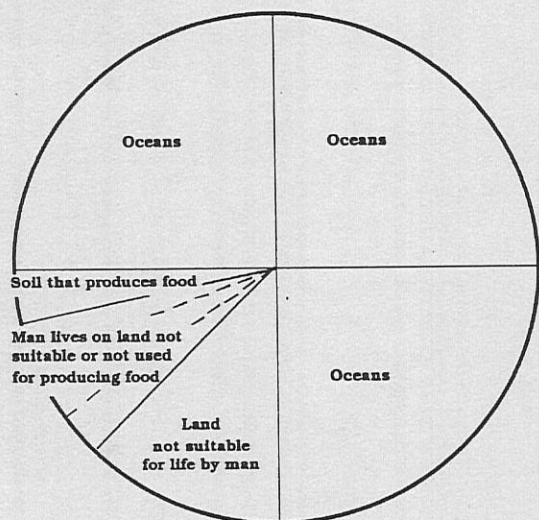
**Resources** Contact local Soil Conservation Service or Conservation District

### Background

One of the most important natural resources that covers much of the earth's land surface is soil. All living things depend on it as a source of food, either directly or indirectly.

The amount of land used to produce food remains the same, yet the world population continues to grow. Each generation must use the soil wisely to insure the future for food production to feed the world.

This demonstration uses an apple to illustrate how little of the earth's surface is actually used for food production.



### Materials

- Large apple
- paring knife
- paper
- crayons or colored pencils

**Vocabulary:** soil, biosphere, renewable and non-renewable resources

### Procedure

1. Cut the apple into four equal parts. Three parts represent the area of the earth covered by oceans. the fourth part represents the area of the earth that is land.
2. Cut the land section in half lengthwise. This creates two one-eighth pieces. One of these pieces represents land use as desert, swamp, antarctic, arctic and mountain areas that are not suitable for people to live.
3. The other one-eighth section represents the areas where people can live. Slice this section lengthwise into four equal parts. Three of these 1/32 sections represent the areas of the earth which are too rocky, too wet, too hot or have too poor of soil for food production or are occupied by cities, factories and highways. People can live in these areas but may not grow food.
4. Carefully peel the last 1/32 section. This small bit of peeling represents the amount of soil on our earth which is used for production of food that feeds the world.
5. Discuss what this soil is used for. Some possible discussion questions might include: What would we do if the valuable soil we depend on for food should suddenly disappear? What do we need to do if the earth's population continues to grow while this amount of valuable soil remains the same?
6. Have the students create a graph depicting the portions of the earth demonstrated in this activity. The graph can be done individually, in small groups, or as a class.

### Estimating

Have students estimate (give each student an apple):

1. How much their apple weighs
2. How many seeds are in their apple
3. How far around is their apple (circumference)

Have each student predict, test, and record their answers.

Bring a scale, paper bag, baskets, etc., and have students predict how many apples there are in a pound, how many it would take to fill a basket, etc.

**Objective:** to familiarize students with varying measurements of weight.

**Materials needed:** paper, pencil, apple per student, balance scale, other scale, string for circumference, ruler, apples in baskets.

### Graphing

Students may graph results of how many seeds there are and how much each apple weighs to compare the results.

**Objective:** Students will demonstrate graphing skills (can do whole group using wall chart or graph paper).

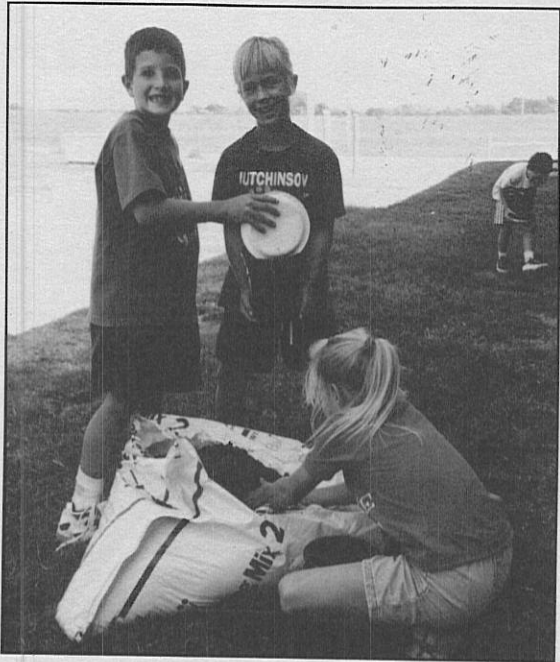
**Materials needed:** Paper, pencil, graph paper, wall chart and cards.

### Did you know...

...that the apple was the cause of the Trojan War? Or that if you throw an apple peel (a real long peel) over your shoulder it will form the initial of your lover's name?


**Suggestion:** Clip this page from the rest of the newsletter and save in your idea file for future use.





Students in Gail Rasette's (Wichita 1996) second grade class at Mitchell Elementary School in Hutchinson prepare pots for their beans by filling them with growing medium.

### Gail Rasette



The second grade students in Gail Rasette's (Wichita 1996) class at Mitchell Elementary School in Hutchinson have been growing a crop of bush beans in a windowsill garden in their classroom. Gail says, "I obtained a Teacher's Guide on "mini-gardens" from the KSU Cooperative Extension Service, gallon-sized pots, growing medium, fertilizer, and a bunch of seeds and have turned my students into very avid gardeners!" Her students are working in cooperative groups of 2-3 students to care for the plants which have grown to a height of about 12" in a month. "We'll be thinning the bean plants to 1 per pot and transplanting the extras outdoors so we can compare indoor growing to outdoor growing," Gail further explains.

This is an excellent first adventure into agriculture for these Mitchell Elementary School second graders! We look forward to an update on the indoor/outdoor growing results, Gail.

**Teachers!** This is your feature. Let us share your classroom with others. Send your articles and pictures to Kansas Foundation for Ag in Classroom, 124 Bluemont Hall, KSU, 110 Mid-Campus Dr., Manhattan, KS 66506. Materials for the next issue are due December 1, 1996.

## Ideas, Information, and Inquiries

The new **Food for America Kit** was just released in July by the National FFA Organization. These kits are available from the FFA Supply Department at 1-703-780-5600 at a cost of \$24.95. The KFAC office has one kit that can be checked out. Please call our office if you are interested in doing this--1-913-532-7946. **Food for America** will help you teach students in first through sixth grades about agriculture. It is not a complete curriculum to teach only agriculture, but integrates agriculture into the existing curriculum. This program includes: a presenter's guide; a video, a teacher's guide, lesson plans, brochures and recognition certificates.



**The Soybean Solution** is an educational kit designed for fourth graders, but can easily be adapted to other grade levels. It was written as a complete teaching unit, but can also be used as a supplementary resource. Each kit includes: thirty copies of the student magazine; **The Soybean Solution**, one video tape, a teacher's guide, twelve integrated and reproducible activity sheets,

thirty bookmarks and thirty magnifying glasses for students, one plastic bag containing soybeans, one interactive classroom poster and one teacher evaluation postcard. You may call or write to the Kansas Soybean Association, P. O. Box 750285, Topeka, KS 66675-0285 or 1-913-271-1030 for your FREE educational kit.



### New Educational Packet now Available:

A new multi-media elementary teaching packet for kindergarten through fourth graders is available from Indiana Farm Bureau. "Where Pork Comes From," is the third in a series of educational tools, and teaches students the "farm to table" story. The kit contains a 9-minute video, teacher's guide, activities and games for students. The teacher's guide provides educators flexibility in deciding how to incorporate the program into their class. The cost is \$25 and is available by contacting the Indiana Farm Bureau, Women's Division, P. O. Box 1290, 225 S. East St., Indianapolis, IN 46206. The Kansas Pork Producers Council has this educational packet for

loan. If you are interested please call the Kansas Pork Producers Council at 913/776-0442.

The **Kansas Wheat Commission** offers some food, nutrition and fitness education pieces. One sample copy of materials will be sent free of charge.

**From Wheat to Flour.** A complete guide to the production and processing of the six classes of wheat grown in the U. S. Includes the history of wheat, its production and milling practices, and a discussion of the nutritional value of wheat based foods. \$5 each.

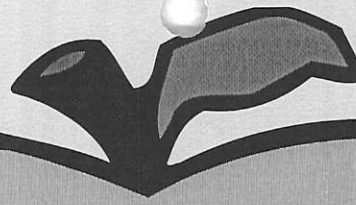
**Poster:** The first poster ordered is free: \$1 each thereafter.

**The Pyramid Workout:** An Exercise in Nutrition--Full-color poster of the Food Guide Pyramid; also explains the importance of carbohydrates in the fitness diet.

Order from the Kansas Wheat Commission, 2630 Claflin Road, Manhattan, KS 66502. Phone: 913/539-8946



# Apple Unscramble



Apple Names to Choose  
From:

- Twenty Ounce
- Red Delicious
- Jonathan
- Rhode Island Greening
- Yellow Transparent
- McIntosh
- Winesap
- Rome Beauty
- Crabapple
- Grimes Golden
- Newton Pippin
- Northern Spy
- Golden Delicious
- Stayman
- York Imperial
- Starr
- Wealthy
- Baldwin
- Gravenstein

dnalsI doeRh gnineerG \_\_\_\_\_  
 elDiocisu eRd \_\_\_\_\_  
 ppüPn twoeNn \_\_\_\_\_  
 nteeenGvras \_\_\_\_\_ aStrr \_\_\_\_\_  
 Tywtne Oeucn \_\_\_\_\_ teWalhy \_\_\_\_\_  
 elDiocisu loGnde \_\_\_\_\_ wBniald \_\_\_\_\_  
 ppbrCalea \_\_\_\_\_ aJnohtan \_\_\_\_\_  
 ypS nrehtroN \_\_\_\_\_ MItsctoh \_\_\_\_\_  
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 niseapW \_\_\_\_\_ mGirse lGdnoe \_\_\_\_\_  
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**124 Bluemont Hall, KSU**  
**Manhattan, KS 66506**

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**The Kansas Foundation for Ag in  
 the Classroom will soon have a  
 World Wide Web page. Be sure  
 to watch for it!**