

Approved March 24, 1988
Date

MINUTES OF THE Senate COMMITTEE ON Agriculture

The meeting was called to order by Senator Allen at
Chairperson

10:11 a.m./~~p.m.~~ on March 23, 1988 in room 423-S of the Capitol.

All members were present ~~except~~

Committee staff present: Raney Gilliland, Legislative Research Department
Jill Wolters, Revisor of Statutes Department

Conferees appearing before the committee: Representative Gayle Mollenkamp
Dr. Allan Kimmell, State Livestock Commissioner
Mike Beam, Kansas Livestock Association
Mardelle Pringle, Board of Directors, Kansas
Foundation for Agriculture in
the Classroom
Fran Parmley, Administrator, Kansas Foundation
for Agriculture in the Classroom

Senator Allen called the committee to order and attention to HB 2624 and then called on Representative Mollenkamp to testify.

Representative Mollenkamp gave copies of his testimony to the committee (attachment 1).

The Chairman declared the hearing closed for HB 2624 and called attention to HB 2766; he then called on Dr. Allan Kimmell to testify.

Dr. Kimmell gave copies of his testimony to the committee (attachment 2). During discussion Dr. Kimmell explained that some brands are in more demand than others so with a shorter grace period some brands could be re-registered sooner and more funds would be generated. Dr. Kimmell answered that if late registration payment is received it is considered paid from the date of expiration not from date of payment. It was suggested that maybe the third notice of expiration could be sent by certified mail. Dr. Kimmell answered that the fee to re-register a brand is \$35 and that there is no fine for late renewal. It was suggested that maybe in line 99 of HB 2766 that "B" and "C" states should be identified.

Mike Beam gave copies of his testimony to the committee (attachment 3). Mr. Beam requested passage of HB 2766. Mr. Beam suggested the committee would need to study the fiscal impact if they should decide to require the third notices be sent by certified mail.

The Chairman declared the hearing closed for HB 2766; he then called on Mardelle Pringle.

Mardelle Pringle introduced Fran Parmley to update the committee on activities of "Ag in the Classroom".

Fran Parmley gave the committee information about "Ag in the Classroom" (attachment 4). Ms. Parmley explained projects carried out at the State Fair and the possibility of doing the same at the American Royal; also about summer classes taught at Kansas State and in Kansas City for teachers. She explained they have student interins working in their offices; this helps their budget. She discussed an agriculture project being developed for visually handicapped students in the Southwestern part of the state.

The Chairman thanked Ms. Parmley and turned committee attention to HB 2624 for action.

CONTINUATION SHEET

MINUTES OF THE Senate COMMITTEE ON Agriculture,
room 423-S, Statehouse, at 10:11 a.m. ~~4:11~~ on March 23, 19 88

Senator Gordon made a motion the committee recommend HB 2624 favorable for passage and that it be placed on the Consent Calendar. Senator Arasmith seconded the motion. Motion carried.

The Chairman called for committee action on HB 2766.

Senator Warren made a motion the committee recommend HB 2766 favorable for passage. Senator Montgomery seconded the motion.

Committee discussion involved the question of whether to recommend sending the third renewal notice by certified mail and the suggestion that maybe a provision should be passed stating that a brand would be obsolete if renewal fees were not paid. It was requested that a definition of what states "B" and "C" mean be amended into HB 2766. That definition could be explained "as defined in USDA definitions".

Senator Montgomery withdrew his second to the motion. Senator Warren withdrew his motion.

Senator Montgomery made a conceptional motion that the committee request an amendment for HB 2766 explaining the meaning of "B" and "C" states. Senator Warren seconded the motion. Motion carried.

Senator Warren made a motion the committee recommend HB 2766 favorable for passage as amended. Senator Montgomery seconded the motion. Motion carried.

The Chairman called for action on committee minutes.

Senator Warren made a motion the committee minutes for March 22 be approved. Senator Thiessen seconded the motion. Motion carried.

The Chairman called on Senator Thiessen to present a request for introduction of a resolution.

Senator Thiessen gave copies of the proposed resolution to the committee (attachment 5) and requested the committee request introduction. The resolution urges the United States Secretary of Transportation to withdraw the proposed rule concerning reclassification of anhydrous ammonia.

Senator Arasmith made a motion the committee request introduction of Senator Thiessen's proposed resolution. Senator Thiessen seconded the motion. Motion carried.

The Chairman adjourned the committee at 11:00 a.m.

GAYLE MOLLENKAMP
 REPRESENTATIVE, 118TH DISTRICT
 LOGAN, GOVE, TREGO, GRAHAM
 AND PARTS OF NESS AND
 ROOKS COUNTIES

HC2, BOX 5
 RUSSELL SPRINGS, KANSAS 67755-0005



TOPEKA

HOUSE OF
 REPRESENTATIVES

COMMITTEE ASSIGNMENTS
 MEMBER AGRICULTURE AND SMALL BUSINESS
 ENERGY AND NATURAL RESOURCES
 LOCAL GOVERNMENT

March 21, 1988

MR. CHAIRMAN, MEMBERS OF THE COMMITTEE:

HB 2624 is the outcome of summer interim study hearing by the Special Committee on Agriculture and Livestock, No. 3.

Wind-blown dust and weeds are a problem in western Kansas. The problem stems from the fact that farmers must summer fallow land to build up a reserve of moisture for the following year's crop. Fall seeded crops tend to cause the bulk of the problems concerning wind-blown weeds. Unless the fall seeded crops are sprayed for early spring weeds, mainly mustard or the stubble worked following harvest, blowing weeds will become a serious contributor to blowing dust on the seeded acres of wheat, barley and oats in the early spring before sufficient growth is obtained to hold the ground from blowing.

The Russian Thistle, kochia and prostrate pig weed are weeds which are usually the worst offenders. When they mature, their shape allows them to roll easily. They will move at the will of the wind above 20 miles per hour and will continue to do so until they lodge in fence rows, farmsteads, windbreaks, or places otherwise sheltered from all directions of the wind. The wind blown weeds create a dangerous fire hazard; an endless job of maintaining a farmstead, wind breaks and pulverizes the top soil causing a dust blowing situation.

The conditions for C.R.P. program requires the farmers, who have contracts, to control weed growth. I feel HB 2624, which adds wind-blown weeds to the existing wind blown dust statute, will give county commissioners another tool to help encourage absentee land owners, also resident owners, to either use chemicals or approved farming practices to control weed growth on carry over crop land. There is no fiscal note to state.

Mr. Chairman, members of the Committee, I urge your support for HB 2624. I will stand for questions.

Thank you.

Representative Gayle Mollenkamp

attachment 1
 3-23-88

The change asked for in K.S.A. 47-417 would shorten the period that a renewal of brand registration now allows.

For example: assume you had a brand for which the registration expired on April 1, 1988 and you failed to renew at that time. From April 1 to October 1 your brand would be placed in a delinquency status, and the use of a delinquent brand shall be unlawful. However, it remains delinquent for a period of 1 year and if you fail to request renewal, it then constitutes abandonment of any and all property rights. Therefore, this brand is in limbo from April 1, 1988 to October 1, 1989 - a period of 18 months. The brand is then made available for registration to another party.

We would like to shorten the grace period from 6 months to 60 days (2 months). We are also asking to shorten the delinquent period from 1 year to 120 days (4 months). Thus shortening the limbo status to 6 months from April 1, to October 1 of the same year.

The fiscal impact would be favorable for the Department. We now send three (3) notices to the registrant, if they do not renew or do not let us know that they wish to cancel. The first notice is sent prior to the April 1 renewal date. The second is mailed during the grace period; prior to being placed in the delinquent status. The third notice is sent just prior to the brand being cancelled. The savings and earnings should exceed \$350 per renewal year. This includes the printing of the third notice, the envelopes and postage. Not included in this is the amount of time it takes the Brands Division staff to prepare and work up these notices.

If our proposed changes are adopted we plan to only send two (2) notices to the registrant. We will save mailing costs on those not renewed.

The second method of savings to the Animal Health Department is that the brand becomes available to register to someone else much sooner. Approximately 200 brands would become available 12 months earlier than the present system. Each year this could amount to a \$7,000 increase in income if all of these brands were registered to another party.

As you see, brands not renewed which amount to approximately 5% of our first notice sent, generate no income for one and one-half years.

The request to add "F" branding to K.S.A. 47-418 is updating this statute after initiating our "F" branding regulation last September 1. This regulation states that all heifers under 18 months of age from the seven (7) high Brucellosis incidence states must be marked with a "F" on the left jaw or left tailhead. This indicates a "Feeder" and this heifer cannot be kept for breeding.

We are adding the "F" brand to "B", "T", "S" and "V" all of which can be branded on the jaw or the tailhead for disease control.

This fiscal impact is of no importance except "F" branding is another tool that we are now using to help eliminate Brucellosis from the cattle herds in Kansas. Hopefully, Kansas can become Brucellosis free by 1991.



2044 Fillmore • Topeka, Kansas 66604 • Telephone: 913/232-9358
Owns and Publishes The Kansas STOCKMAN magazine and KLA News & Market Report newsletter.

March 23, 1988

TO: Senate Agriculture Committee
FROM: Senator Jim Allen, Chairman
RE: **HB 2766, LIVESTOCK BRAND RENEWAL CHANGES**

The Kansas Livestock Association supports HB 2766. This bill primarily shortens the renewal and delinquent periods of brands. Currently, a brand title holder has six months to renew the title when the five-year registration period has expired. If the brand is not renewed in this six-month period, it is placed in a delinquent status for one year. During this year, no one can legally use or register a delinquent brand.

HB 2766 will shorten the renewable period from six months to 60 days and reduce the delinquent status period from one year to 120 days. In essence, the bill reduces the time period for renewing a brand from one and a half years to six months.

KLA's brand subcommittee reviewed the legislation before it was considered by the House Ag Committee. This subcommittee, made up of cattlemen from all regions of the state, voted unanimously to support HB 2766. We respectfully ask for your favorable consideration. Thank you.

JA:crb

attachment 3

3-23-88

2. Please describe your past experience in agriculture or lack thereof. Please note any current involvement with agriculture you now have.

3. Please note any previous work you have done in developing curriculum projects or classroom materials which other teachers may use.

4. List those projects which you have developed or special activities you have organized for your classes that you feel demonstrate your creativity as a teacher.

5. Each teacher accepted is required to give an inservice presentation sometime during the two years following their participation in the course. Please indicate your experience in giving this type of presentation and note any difficulty you might have in fulfilling this commitment.

6. Please note your years of teaching experience and the subjects you have taught.

7. Is the course to be used for a graduate degree, recertification, or personal professional development?

8. If you are selected for this course, you will receive a scholarship which will fund your tuition and some of your expenses. The Foundation requests that you report to the group sponsoring your scholarship either in written form or in the form of a presentation to a board of directors or annual meeting about your experiences in the course. The Foundation feels that this contact is an important part of the course for you and for helping to assure financial assistance for future courses. Please indicate any difficulties you might have in meeting this obligation.

9. Please indicate the course(s) for which you are applying. Number the courses in order of your preference. If you do not check one of the courses, you will not be considered for it.

Manhattan Course _____

Kansas City Course _____

(Preference will be given to Kansas City area teachers or to teachers teaching in other urban settings)

I would be happy to attend either course _____

APPLICATION

INSTRUCTIONS: The following application must be completed and returned to the Foundation office no later than March 31. Each application must be accompanied by a letter of recommendation from the teacher's building principal. Please do not hesitate to call the Foundation office (913/532-7946(5886) if there are questions. It is important to note the course of preference. If funds are unavailable, those applying only for the Kansas City course will not be considered for the one offered in Manhattan.

Name _____

School _____

Grade Level _____

Current Teaching Responsibilities _____

Address _____

Please feel free to use additional pages to complete this application:

1. Indicate your concept of an integrated curriculum. Specify your experience in using an integrated curriculum.

WHEN & WHERE Each year for the past two years, the Foundation has sponsored a two week summer course for teachers which has been held at Kansas State University. A similar course is planned for the summer of 1988. In addition, a course is planned for the Kansas City area which will have a very different focus. Preliminary arrangements have been made for the course and funds are currently being sought. Teachers who apply for the Kansas City course will be selected in the same way as those selected for the Manhattan course but pending available funds.

WHAT IS COVERED?

Manhattan Course: During the two weeks, teachers are exposed to a wide variety of agricultural topics giving an overview of agriculture as an industry vital to consumers and integrally a part of each individual's life. The instructors for the course include producers, researchers, processors, and marketing specialists whose presentations include field trips, hands-on experiences, demonstrations and specific projects which can be included in individual classroom teaching. The 1988 class will feature a one day commodity field trip where teachers will visit all the supporting businesses possible to visit in a day which relate to the production, processing, transportation, and marketing of a single commodity. This will give a perspective on the technology and efficiency employed in getting a single item of food or fiber to the consumer.

In addition, educational experts are used to teach the class participants how to incorporate this knowledge of agriculture into interesting and useful educational resources for their individual classroom situation. Specific attention is given to integrating agricultural topics into existing subjects and in the preparation of educational media and materials.

Kansas City Course: Although much of what is taught in Manhattan will also be covered in the Kansas City course, the focus will be on the teacher who teaches in an urban setting. Field trips will be directed toward those agricultural processing and manufacturing industries located in the Kansas City area with the intent that teachers be familiar with the agricultural resources most directly available to them. Included in the field trips will be a visit to the Agricultural Hall of Fame which houses numerous historical exhibits relating to various aspects of agriculture.

WHAT'S REQUIRED? The most important thing is a willingness to try new things and an enthusiasm for tackling the unknown. Each teacher is required to develop a curriculum unit relating to their particular grade level. A list of specific agricultural subjects, developed by the Foundation, will be provided to each teacher to aid in selecting a topic. This list reflects areas of need for materials for classroom use. Finished projects will be included in the Foundation's resource library and made available to classroom teachers in Kansas.

WHO MAY ENROLL? Teachers are selected by application. Any teacher interested may request an application by contacting the Foundation office (see below). Each teacher selected is provided a stipend for the course which covers the tuition and most of the room and board for two weeks. Many of the stipends are offered through a scholarship program directed by the Foundation. Many of the scholarships are specific to geographic area and teachers within that area are informed through announcements to the school district.

WHAT DO I GET? Besides two weeks packed with challenging and exciting educational experiences, each teacher will receive a curriculum guide published by the Foundation and made available only to teachers participating in an inservice or summer course and an enormous packet of educational resources plus ideas for a multitude of projects and activities for integrating agriculture into all curricula at all grade levels.

WHERE DO I FIND OUT MORE? Fran Parmley, Administrator
Kansas Foundation for Agriculture
in the Classroom
Bluemont Hall -- Kansas State University
Manhattan, Kansas 66506
913/532-7946(5886)

attachment 4
3-23-88

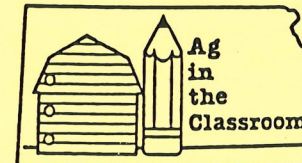
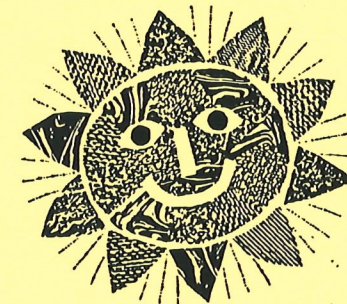
SUMMER COURSES

offered by
Kansas State University

“Integrating Agriculture into the Classroom”

MANHATTAN- June 6-17

KANSAS CITY- July 5-15



**Sponsored by the
Kansas Foundation for
Agriculture in the Classroom**

**KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM
MEMBERSHIP**

1. Dr. Dell Allen
Dept. of Animal Science & Industry
Weber Hall 114
Kansas State University
Manhattan, Kansas 66506 Office: 913/532-6131

2. Helen Bausch
Route 2, Box 191
Mayetta, Kansas 66509 Home: 913/986-6331
Board of Directors

3. Jack Beauchamp
Route 3
Ottawa, Kansas 66067 Home: 913-242-3540

4. Dr. Harold Blackburn
9543 Connell Drive
Overland Park, Kansas 66212
Home: 913-888-2406

5. John Bunck
Bunck Seed Farms
RR # 1
Everest, Kansas 66424 Home: 913-548-7443

6. Dale Carey
Kansas State Board of Education
Board Member
1039 N. Cherry Lot 4
Ottawa, Kansas 66067 Home: 913/937-2907

7. Tim Christian
Kansas Soil Conservation Service
760 South Broadway
Salina, Kansas 67401 Phone: 913/823-4548

8. Brian Davies
Osage City, Kansas 66523 Phone: 913/528-3171

9. Dr. Calvin Drake
Dept. of Animal Science & Industry
Weber Hall 222
Kansas State University
Manhattan, Kansas 66506 Office: 913/532-6131

10. Altis Ferree
Route 1
Yates Center, Kansas 66783
Board of Directors

11. Steve Fisher
4-H Youth Programs
Umberger Hall
Kansas State University
Manhattan, Kansas 66506 Office: 913/532-5800
Board of Directors

12. Sheila Frahm
State Board of Education
18 Cottonwood, RR # 3
Colby, Kansas 66701 Home: 913-462-6948
Board of Directors

13. Marvin Hachmeister
Adult & Occupational Education
Bluemont Hall 361
Kansas State University
Manhattan, Kansas 66506 Office: 913/532-5535

14. Rich Hager
Soil Conservation Service
760 South Broadway
Salina, Kansas 67401 Office: 913/823-4548

15. Chuck Hessenflow
Farmway Co-op of Beloit
204 E. Court St.
Beloit, Kansas 67420 Office: 913/738-2241

16. Dee James
3790 Park South Court #101
Topeka, Kansas 66609 Home: 913/267-1425

25. Barbara L. Moyer
Kansas Farm Bureau
2321 Anderson
Manhattan, Kansas 66502
Board of Directors - -
Home: 3001 Montzuma Ct
Office: 913/537-2261 EXT.126
26. Les Olsen
Agricultural Education
Kansas State Board of Education
120 East 10th St.
Topeka, Kansas 66612
Board of Directors
Office: 913/296-3956
27. Representative JoAnn Pottorff
144 N. Oliver
Wichita, Kansas 67208
Board of Directors
Office: 316/682-5581
28. Harland Priddle
Secretary of Commerce
Capitol Tower, 5th Floor
700 SW 8th St
Topeka, Kansas 66603
Office: 913-296-3481
29. Mardelle Pringle
Route 1
Yates Center, Kansas 66783
Board of Directors
Office: Pringle Feedlot & Ranch
316-537-7833
Home: 316/625-2098
30. Carolyn Schmitt
K-NEA President
715 W. 10th
Topeka, Kansas 66612
Board of Directors
Office: ;913/232-8271
31. Mildred Sharp
Sharp Bros. Seed Co.
Healy, Kansas 67850
Home: 316-398-2201
32. Nancy Spiegel
Box 22
Formoso, Kansas 66942
Home: 913/694-2361
33. Clayton Stultz
712 Vine
Wamego, Kansas 66612
Office: 913/296-4935

KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

AGRICULTURAL CONCEPTS

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.

**KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM
1988 Goals for Projects and Activities**

Primary Goals:

1. To provide for Kansas students an understanding and appreciation of the food chain, which is the foundation of human life.

2. To promote the well-being of agriculture as a necessary forerunner to the well-being of America.

Specific Goals: (noted by area of activity)

Distribution and Implementation

3. Continuous implementation of curriculum and materials is fundamental to the accomplishment of primary goals. Agriculture in the Classroom is not mandated by the State Board of Education; therefore, easy access to and availability of the program is essential and considered to be a specific goal of the Foundation.

Materials

4. Assisting Kansas teachers in implementing fun, easy to use, agricultural educational activities in their classrooms is of primary importance if young people in Kansas are to gain the knowledge of agriculture as an industry which will provide them with a basis for making intelligent decisions - both as consumers and as policy makers.

Public Relations

5. The success of any venture, a business organization project, depends on how well it relates to people. Continuous emphasis on communicating with the public, which at the birth of the Foundation was identified as a primary goal, is essential for all Foundation goals to be accomplished.

Recognition

6. The Foundation will recognize individuals and groups who promote and enhance Agriculture in the Classroom. These groups may include: educators, agriculturalists, media, volunteers, school boards and school districts, financial contributors, and foundation members.

Finance/Fund Raising

7. The objective of this effort is to solicit funds to be used for the purpose of development, distribution, implementation of educational curriculum and other projects of the Foundation in addition to developing and maintaining the finances of the Foundation. The total Foundation membership shall seek to raise a total of \$70,000 for 1988 from the private and public sectors. Funding support will be sought from the Kansas Legislature, from commodity and agricultural groups, agribusinesses, individuals and foundations.

Evaluation

8. The Board of Directors of the Foundation will prepare an annual report which will evaluate accomplishments of the Foundation's goals and objectives. This annual report will be printed and distributed to appropriate groups and individuals.

Project Priorities for 1988

Note: The following projects have been reviewed by Foundation membership and are listed in their order of priority. More complete descriptions of each project may be obtained from the Foundation office.

1. Summer Courses for Teachers

These courses are sponsored by the Foundation and offered by the Colleges of Agriculture and Education at Kansas State University. Each course carries three hours of graduate credit. Teachers are selected from applications to take the course and are granted scholarships provided by various donors which cover all tuition and a portion of living expenses.

One course will be held in Manhattan on the K-State Campus from June.

The second course for 1988 will be held in the Kansas City area from July 5-15.

2. Ag-Citing Experience - -Kansas State Fair

1988 will be the third year for this activity. In addition to repeating much of what has been implemented thus far, the Foundation seeks to expand the activity in the following ways:

a. providing mini classes for young people attending the fair with their parents where sign-up can be handled once they have reached the fairgrounds.

b. soliciting grants from various donors to be used to pay expenses of school districts (transportation specifically) in sending classrooms to the fair as a field trip. These grants would also cover admission to the fairgrounds for the students.

c. providing numerous additional informational posters for exhibits throughout the fairgrounds. (Other than the Pride of Kansas Building, there are posters located only at the Kiddies' Barnyard and the Farm Bureau Arena at the present time)

3. Fundraising Efforts

This must take a high priority, for without the necessary funding, none of the Foundation's projects would be possible.

4. Development of Teacher-Created Projects

As a requirement of the summer courses, each teacher is required to prepare a project for use in his/her own classroom. These projects are selected by the teacher from a compilation of two lists: one which provides areas of need (agricultural topics where no good enrichment materials seem to be available) and a second which outlines specific types of educational materials which would be useful to other teachers. Each project is prepared with the idea that it must be nearly immediately reproduceable and all rights to the project are given to the Foundation. The further development and distribution of these projects is considered a high priority because it is one efficient and effective way to provide professionally developed materials at minimal or no cost to teachers.

5. Teacher Project Newsletter

As an extension of the previous project, a newsletter will be developed for distribution twice a year which features projects, lessons, enrichment materials that can be used in the classroom.

6. In-Service for Teachers

The best way to reach teachers is on a personal level and the best opportunity to reach larger numbers of teachers is through inservice programs presented in school districts throughout the state of Kansas. This is a high priority because the opportunities for exposure to Foundation materials and projects are significant.

7. Foundation Intern Program

The Foundation currently supports an intern program through Kansas State University. The intern is an undergraduate student and can be affiliated with either the College of Education or the College of Agriculture. Interns develop projects for the Foundation based on (1) their areas of interest and knowledge, and (2) areas where they feel

they would like to gain more and are unable to through normal classroom experiences on campus. Each intern outlines the projects they will complete for the semester and, with the approval of the administrator, works independently until all the projects are complete. Reimbursement is payed on a contractual basis once a semester for projects completed.

8. Public Relations - -News Releases

Periodic news releases to general media, agricultural publications and newsletters of organizations will be developed . It is important that all those entities and the public in general be aware of the many and varied projects the Foundation sponsors if additional schools and teachers are to be encouraged to become involved.

9. Newsletter

In addition to a project newsletter, the Foundation will continue to print periodic news bulletins with information of interest to educators and others on the Foundation mailing list.

10. American Royal Ag-Citing Experience

Currently, the Foundation is making plans to conduct a similar experience for students at the American Royal in Kansas City. Although the nature of the activity will be somewhat different, the purpose will still be to acquaint students with knowledge about agriculture focused on a student level.

11. Contact with Kansas Universities

In an effort to acquaint pre-service teaching personnel with the resources and projects of the Foundation, efforts will be made to host meetings at several campuses where presentations about Ag in the Classroom will be made.

12. Adopt a Classroom Program

The Foundation will continue its ongoing effort to arrange adoptions (or pen pals) between agribusiness people and classrooms in Kansas so that knowledge and understanding of the agriculture industry can be advanced.

13. Day on the Farm Kit

This kit is being developed to provide any interested group, such as a Chamber of Commerce, local agricultural organization or FFA chapter, some concrete suggestions and materials for providing a quality experience for a classroom that wishes to visit a farm or business as a field trip.

14. Four State Ag in the Classroom Conferences

In an effort to provide a medium for sharing ideas and for possible development of collaborative projects, the states of Kansas, Missouri, Iowa and Nebraska meet regularly each six months.

15. Friends (volunteers) Program

Continuing efforts to develop a state-wide listing of resource people who can make contributions to classroom activities will continue.

16. Grants for Teachers

As time permits, efforts will be made to solicit and distribute mini grants for specific types of classroom activities relating to agriculture (such as field trips) or grants for the development of projects which can be shared with other educators.

17. Camp for the Visually Impaired

The Foundation will be consulting and helping to coordinate special activities about agriculture at the camp for the visually impaired.

18. Original Videos Featuring Agricultural Subject Matter

Currently the Foundation is producing two of these projects: The Making of the Hotdog (sponsored by the Kansas Meat Processors) and Agriculture in Kansas (sponsored by the Kansas Bankers Association and Kansas Agricultural Bankers Association)

19. Resource Boxes for Schools

As funding permits and donations allow, collections of agricultural enrichment materials will be compiled and

distributed to school buildings in Kansas. These will most often happen as a result of a local donation earmarked for as local school's benefit.

20. Ag Camp for Kids

A possible project for future consideration is the organization and development of a camp activity for children focusing on agriculture. Due to the large amount of planning and preparation and funding, this project is not scheduled for completion in the near future.

As opportunities and funds become available, additional projects will always be added. Prioritization will be made by the Board of Directors as projects arise.

"ADOPT A CLASSROOM"

An educational program sponsored by The Kansas Foundation for Agriculture in the Classroom

The Kansas Foundation for Agriculture in the classroom has established an "Adopt A Classroom" Program and will be arranging for Kansas farm families to adopt school classrooms to insure that they learn more about agriculture, the business of food and fiber. The program promises to be very exciting for the adopted classes, for the farm family who adopts, and for the Foundation. The "Adopt A Classroom" Program is an excellent way to help children at an impressionable age to understand the significance of the Kansas agricultural industry, to appreciate the food chain as the foundation for human life, and to form a positive image of agriculture.

The program operates as follows:

1. The Foundation solicits farm families willing to adopt classes. Families can select the age level they would like to adopt and indicate other preferences on the adoption application.
2. The Foundation announces the adoption program in issues of "Ag-Citing News", the Kansas Ag. in the Classroom newsletter, and through other contacts and encourages teachers to apply for adoption.
3. The Foundation matches classes with farm families according to application preferences. The adoption will typically be for one school year.
4. The farm family would initiate the relationship with the class and would write to the class at least once a month to tell them what is happening on their farm. The adopting farm family is encouraged to send pictures and samples of products produced on their farm for a show and tell in the classroom.
5. The class would in turn write the farm family to ask questions and explain to their new farm friends what they are studying during the year.
6. The Foundation will provide suggestions for program activities including tips for correspondence, provide evaluation forms to teachers and farm families, and conduct an evaluation of the program at the end of each school year.

For adoption applications and further information about the "Adopt A Classroom" Program contact:

Kansas Foundation for Agriculture in the Classroom
College of Education
Bluemont Hall
Kansas State University
Manhattan, Kansas 66506 Phone: 913-532-7946

"ADOPT A CLASSROOM"

An educational program sponsored by
The Kansas Foundation for Agriculture in the Classroom

WANTED FARM FAMILIES TO ADOPT CLASSES

FARM FAMILY APPLICATION FORM

To participate in the "Adopt A Classroom" Program sponsored by the Kansas Foundation for Agriculture in the Classroom complete the following form:

Family Contact Person: _____

Address: _____

City & Zip Code: _____

Phone: _____

Local School District - Name and District Number: _____

County where farm is located: _____

Describe type of farm briefly: _____

Do you have school age children? yes no
If yes give ages and grade level they attend in school. _____

Preferences on class you would like to adopt or other information which would be helpful to Foundation in making adoption match:

Return form to: Kansas Foundation for Agriculture in the Classroom
Bluemont Hall, Kansas State University
Manhattan, Kansas 66506 Phone: 913-532-7946

Help students form a positive image of agriculture

"ADOPT A CLASSROOM"

CLASS APPLICATION FORM

Dear Teacher:

Are you interested in a new educational experience for your classroom?

Kansas farm families are now adopting classrooms and there is a family waiting to adopt your class. A rewarding opportunity awaits both your students and a family interested in sharing an important story.

The "Adopt A Classroom" Program has been established by the **Kansas Foundation for Agriculture in the Classroom**. The program promises to be very exciting for the adopted classes, for the farm family who adopts and for the Foundation. The "Adopt A Classroom" Program is an excellent way to help children at an impressionable age to understand the significance of the Kansas agricultural industry, to appreciate the food chain as the foundation for human life and to form a positive image of agriculture.

To apply for adoption simply complete the attached form and return it to the Foundation. We'll take care of the arrangements and notify you when a match is made.

The Foundation will be pleased to answer any questions.

Kansas Foundation for Agriculture in the Classroom
Bluemont Hall, Kansas State University
Manhattan, Kansas 66506 Phone: 913-532-7946

To: **Kansas Foundation for Agriculture in the Classroom**

My class is interested in participating in the Kansas Ag in the Classroom "Adopt A Classroom" Program and in being adopted by a Kansas farm family.

The official adoption papers should identify our class as follows:

Teacher's Name: _____

Grade Level: _____

School Name: _____

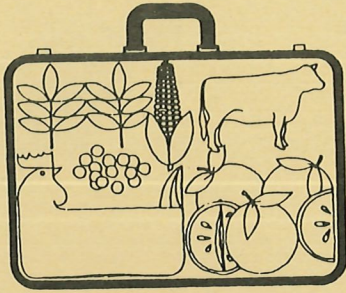
School Address: _____

City & Zip Code: _____

School Phone Number: _____

Number of students in class: _____

Return form to: **Kansas Foundation for Agriculture in the Classroom**
Bluemont Hall, Kansas State University
Manhattan, Kansas 66506 Phone: 913-532-7946



The GRAB-AG

Ag in the Classroom Newsletter

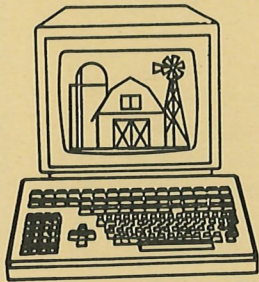
Fran Parmley Administrator

Jessica Tajchman Intern

Kansas Foundation for Ag in the Classroom

Bluemont Hall, Kansas State University Manhattan, KS 66506

AGRICULTURE DAY



Many of us look forward to the first day of spring, when new life appears and farmers plant new crops. Agriculture Day is officially on the first day of spring, March 20. Since March 20 is a Sunday, the state promotion for Ag Day will be on Friday, March 18. Agriculture Day is an excellent time to teach your students about the importance of agriculture. If your class is close to Topeka, take them to the State Capitol to see all of exciting events that are planned. If the class is a distance from Topeka, initiate your own activities for Ag Day.

Don't know where to start? Here are some suggestions listed in the Agriculture Day Classroom Guide, released by Agriculture in the Classroom:

- * Take field trips to farms, ranches, food-processing plants, or equipment-manufacturing factories.

Invite a retired farmer to speak to your class about changes in ag technology that have taken place since he started farming.

Invite a farm-equipment dealer, seed dealer or farm lender from the bank to speak to your class about the items or services they sell to farmers, how they are used, and the changes over time.

Invite a producer or commodity-futures broker to speak on farm prices and expenses.

These are just a few ideas to get you started. If you need help in gathering other ideas, or even resources, contact your local county agent or vocational agricultural teacher. Make Agriculture Day an exciting day for your students!



SUMMER COURSES

The Kansas Foundation for Agriculture in the Classroom is sponsoring a summer course at Kansas State University June 6-17. The course "Integrating Agriculture into the Classroom" will expose teachers to a wide variety of agricultural topics giving an overview of agriculture as an industry vital to consumers and integrally a part of each individual's life. A similar course will also be held at Kansas City July 5-15 with a different focus. The Kansas City course will be aimed towards teachers who teach in urban settings, and will include field trips of agribusinesses located in the Kansas City area.

Both courses offer exciting educational experiences which can be brought back and integrated into the classroom. Course

participants receive a curriculum guide and an enormous packet of educational resources. The course is limited to 25 participants and selection is made through the application. Stipends in the amounts of \$250 for the Manhattan course and \$200 for the Kansas City course are given to each teacher selected that covers tuition and most of the cost for two weeks room and board or commuting up and back.

In the newsletter there is an application form for the summer courses. Any teacher interested in "Integrating Agriculture into the Classroom" is urged to look over and fill out the form. The application is due in the Foundation office March 15, and any inquiries about the courses should be made directly to the Foundation.



FOUNDATION ANNUAL MEETING

The annual meeting of the Kansas Foundation for Agriculture in the Classroom was held at the Little Red Schoolhouse north of Council Grove on November 19, 1987. Representatives from numerous agriculture organizations and ag-related businesses attended the meeting as well as foundation members. The main agenda of the meeting included election of new members and directors and the presentation of the Golden Apple Award.

Two new members were elected, Becky Vining Koch and Tim Christian. Koch, a native of Richmond, Kansas, is the Communications Director for the Kansas Wheat Commission. She graduated from Kansas State University with a BS in agriculture journalism and a MS in agricultural education. Koch's thesis "An Assessment of Kansas Students Knowledge about Agriculture" was partially funded by the Kansas Foundation for Ag in the Classroom.

Christian is the Public Affairs Specialist for the USDA Soil Conservation Service in Salina. He is closely connected with many federal and state agencies, conservation groups and associations. Christian uses his resources and knowledge to inform Kansans about SCS programs and conservation education. Christian is from McPherson, Kansas and graduated from Kansas State University with a degree in wildlife biology.

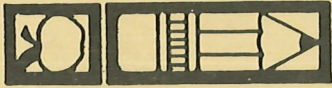
A new board of directors were elected during the meeting. The 1988 Foundation Chairman is Mardelle Pringle and Joe Lieber is Vice Chairman. Corresponding Secretary for the Foundation is Loreen Locke McMillan, Recording Secretary is Carolyn Schmitt, and Treasurer is Duane A. Lankard. The new directors are Helen Bausch, Altis Ferree, Steve Fisher, Sheila Frahm, Janis Lee, Nancy Lindberg, Barbara Moyer, Les Olsen and JoAnn Pottorff.

The Golden Apple Award was presented to Fran Parmley, Foundation Administrator and Dr. David Mugler, Associate Dean and Director of Resident Instruction for the College of Agriculture, at Kansas State University. This award is given to those who have given outstanding service in all levels of the development of understanding the importance of agriculture, especially in the school system.

The Foundation members decided on twenty projects for implementation by the Foundation for 1988. The Summer Courses for Teachers is the project of highest priority for the Foundation. The courses are held by the Colleges of Agriculture and Education at Kansas State University, and each course carries three hours of graduate credit. The Ag-Citing Experience held at the Kansas State Fair last September will be repeated again, and will be expanded to provide mini classes for young people attending the fair with their parents and provide additional information posters for exhibits throughout the fairgrounds. Another high priority for the Foundation is fundraising efforts, for without these none of the Foundation's projects would be possible.

Projects directly concerning teachers include the development of Teacher-Created Projects, Teacher Project Newsletters and an In-Service for Teachers. The Teacher-Created Projects are created from the projects made by teachers at the summer courses, and are lesson plans that can be reproduced and distributed to other teachers in Kansas. The Teacher Project Newsletter is The Grab-Ag.

Some other projects chosen by the Foundation include the Foundation Intern Program, News Releases, Adopt a Classroom Program, Day on the Farm Kit, the Friends Program, and a four state Ag in the Classroom conference. The list and descriptions of the projects are kept at the Foundation office for review.



NEW EDUCATIONAL MATERIALS



Having trouble convincing your students that agriculture is more than growing crops or raising animals? **Twenty-first Century Explorers**, a 20-minute videotape developed by the USDA, shows the application of science and technology in the agricultural industry as well as introducing students to an abundance of career opportunities in ag sciences. The film interviews scientists at the Beltsville Agricultural Research Center in Beltsville, Maryland. These scientists tell how the different areas of science are integrated into agricultural research, such as the use of satellites to gather information for studying soil erosion, or the use of robots in agriculture.

The tape is accompanied by an instructor's manual containing a lesson plan, student activity sheets and a glossary of terms. Plus, a section of the manual gives biographies of the scientists interviewed on the film. The **Twenty-first Century Explorers** videotape and instructor's guide are available for \$21.88, including shipping and handling, through:

The Dub Center
51 New Plant Court
Owings Mills, Maryland, 21117

The **Joint Council on Economic Education** now has available copies of **Teaching the Economics of the Food and Fiber System**, a guide to help teachers integrate economics into their curriculum. There are three separate editions of the guide: Grades K-3 (No. 904), Grades 4-6 (No. 903), and Secondary (No. 902). They can be ordered from the JCEE for \$35. Shipping and handling charges are an additional 10% for orders up to \$100, and an additional 8% for orders over \$100. To order, make checks payable to the JCEE and sent your request to:

The Joint Council on Economic Education
2 Park Avenue New York, NY 10016

Agriculture and the Constitution teacher's kit is now available from the USDA. The kit, compiled by USDA historians, covers unique and interesting topics such as food and recipes, farming methods, agricultural trade, women's roles, and farming population and production. The kit also includes related lesson plans designed for Grades K-12. To receive your complimentary **Agriculture and the Constitution** teacher's kit, contact:

Ag in the Classroom
Room 234-w, USDA
Washington, D.C. 20250



The **Kansas Beef Council**, through the use of their checkoff funds, have provided a variety of free educational materials to every Kansas teacher of



grades 1,5,6,7 and high school social studies and health teachers this past fall.

First grade teachers were sent **Food Power Tower Teacher's Packet** to show students where foods come from, stress the importance of eating a variety of foods and encourage them to try new foods.

Every sixth grade teacher with access to an Apple II computer was sent **Power Packed Nutrition**, a software kit provided by the National Meat Board. The kit develops a new concept in nutrition education...nutrition density.

The **History Matters** video was sent to the heads of each high school social studies department, with an informative letter sent to the history teachers. The award winning video helps students understand the value of learning from the past to make decisions today. High school health teachers were sent **Health and Nutrition: the Public and Private Records**, which explains sound nutrition and helps students distinguish between nutrition facts and fallacies.

Request forms were sent to fifth grade teachers for the filmstrip kit, **Shaping a Nation**, and to seventh grade teachers for **Nutrition, Food and Culture**. Shaping a Nation covers the significance of the livestock industry in the Western Expansion, and Nutrition, Food and Culture teaches students the principles of nutrition using diets of people around the world.

Those who have sent in their requests for Shaping a Nation and Nutrition, Food and Culture should be receiving their kits soon. All other kits mentioned should already be in the hands of the teachers. If you qualify for one of the educational kits listed above but have not received one yet, check in your administrative office. If the kit cannot be located, or if you

have any questions about these materials, inquiries can

be mailed to:
Kansas Beef Council
PO Box 4567
Topeka, KS 66604-0567

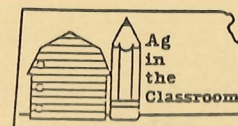
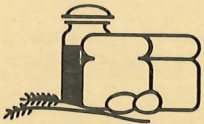




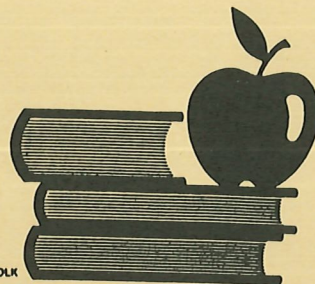
Elaine Frantz has developed an outline of ideas that can be used to promote student participation. Her project, one of three she developed, is reprinted below:

SUGGESTED USE: Send individual students to the chalkboard or divide into groups. Give directions, set a time limit perhaps and enjoy. (Suggested ideas can be used by all students on paper or at board.)

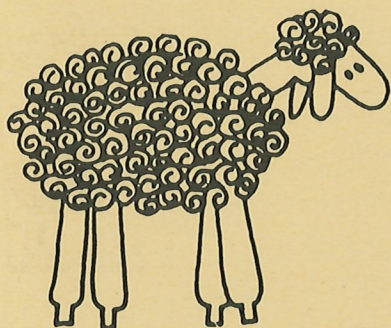
1. Have students draw a farm animal (chicken, pig, cow, etc.) on board, see which student has the most complete drawing within 90 seconds.
2. Draw farm animal picture without lifting chalk away from the chalkboard.
3. Draw some foods that are always served in various geometric shapes.
Ex: bread/squares, crackers/circles.
4. Have class unscramble agriculture related words. Ex: hwtea (wheat), cbmoien (combine).
5. List as many types of farming that a group can think of.
Ex: dairy, wheat, beef, hog.
6. Draw three parts of an insect. See who can spell all parts correctly.
7. Have students list some seasonal insects and some all-year insects.
Ex: fall - locust, all-year - cockroaches.
8. Have students list products that have honey used in the product name.
Ex: Honey Nut Cheerios, Honey Grahams.
9. Draw/list the many various shapes cereal comes in. Let students bring in examples.
10. Formulate a list of all the different cereals eaten in the morning.
11. List as many nouns as you can that are farm-related words. Set a time limit.
12. List as many ways to eat turkey as you can within 90 seconds.
Ex: franks, lunch meat, roast.
13. Name foods that were served at the first thanksgiving.
14. List some of the responsibilities of a park ranger.
15. Describe the processes that milk undergoes from cow to table
Also bread from wheat field to table.
16. See who can make the longest list of wheat products in 90 seconds.
Do the same activity with other grains.
17. List all jobs needed in milk and/or bread production.
18. List some products indicative of a particular region.
Ex: maple sugar/northeast, oranges/southeast.
19. Explore how agriculture and Christmas relate. Have students list various ways.
20. Using the school menu, list all animals used in producing one lunch.
21. List natural and man-made fibers used in shoes.
22. Diagram students' shoes showing the parts and where each section originated.
23. Have the class pick a team sport. List ways an animal product is used in that particular sport.
24. Look at the Kansas flag - list agricultural/farming related activities depicted in the seal of Kansas.
25. Name the plants and trees on the school grounds.



LESSON PLANS AVAILABLE



As part of the newsletter to teachers, an overview of a few of the summer course projects will be included for you to look over. All of the projects mentioned as well as the others completed this summer are available by request at the cost of duplicating the material if the check is sent with the order. Much time and creative effort have been put into these lesson plans, and they are excellent tools for integrating agriculture into the classroom.

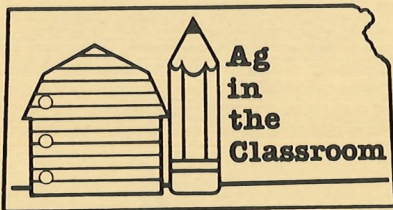


FROM WOOL TO SWEATER, compiled by Patricia Byers, can be used in the lower elementary classroom to give students an understanding of wool, from raw product to finished garment. The student activities include a matching activity, a "Weave Wool" card game, a simple art project, a trail game, a rebus and a drawing booklet. An audiovisual kit and a book with cassette can be included with the lesson, but would be obtained by the teacher. The concepts are clear and simple to understand, and the illustrations will draw the students into the project. Cost is \$1

VETERINARY MEDICINE, by Linda Garrett, is an independent study packet that can be used in an upper or lower level elementary classroom or in a resource room with gifted/talented students. The unit is divided into three sections: background information, student activities and bulletin board materials. The unit covers the types of vet practices, the types of animals treated by vets, and the ways human doctors and vets are alike. One of the activities included is called "What's Up, Doc?", a clinical observation activity requiring the student to observe a veterinarian in action. This packet makes use of critical thinking skills, evaluation skills and brainstorming. Cost is \$1



AGRICULTURE WITH AN ECONOMIC EMPHASIS by Della Winfrey is designed for a sixth grade class or a history course. The packet includes three lesson plans: The Impact of Technology on Agriculture, Water: Past and Present Uses, and American Agriculture and World Trade. Each lesson plan outlines the objectives, the teaching time and the key vocabulary for each lesson. There are extension activities and handout sheets for student participation which makes the student evaluate the new material and use it in other areas of study. Cost is \$1



Kansas Foundation for
Agriculture in the Classroom
124 Bluemont Hall
Kansas State University
Manhattan, Kansas 66506

NONPROFIT ORGANIZATION
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PERMIT # 19
MANHATTAN, KS 66502

Why agriculture in the classroom?

As the nation's supplier of food and fiber, agriculture certainly has a place in each of our lives. To limit the extent to which we participate in agriculture to our trips through the grocery store would be a serious oversight. Agriculture is really more than an industry. Sure, its designed to be a source of income for those who choose farming, ranching, or agribusiness as a career, but it also a source of life-supporting commodities for all of us. Since we all benefit directly from healthy, prosperous agriculture, shouldn't it also be important for all of us to participate in keeping agriculture viable and strong?

To support this belief, agriculturists and educators have formed groups in each state who are working toward a greater emphasis on agriculture in schools. The Kansas Foundation for Agriculture in the Classroom is one of those groups. We believe that helping today's youth to understand the nation's largest and most important industry will lead to a better informed public tomorrow.

The Kansas Foundation was formed for two reasons; to provide for Kansas students an understanding and appreciation of the food chain, which is the foundation of human life, and to promote the well being of agriculture as a necessary forerunner to the well being of America.

What has the Kansas Foundation for Agriculture in the Classroom done?

- Published a scope and sequence curriculum guide developed and field tested by Kansas teachers for grades kindergarten through twelfth.
- Initiated a summer course at Kansas State University to teach teachers how to integrate agriculture into their classroom.
- Assessed current knowledge of Kansas students about agriculture. This assessment helped identify areas where teaching materials need to be developed and will

assist in measuring the impact of the Foundation at a future date.

- Provides in-service training for teachers.
- Distributes numerous resource materials to teachers including the Farm and Food Bytes computer software program.
- Publishes a newsletter for educators.
- Organized a Friends of the Kansas Foundation for Agriculture in the Classroom who support the work of the Foundation.
- Developed a Resource Library of educational materials available for teachers.

What are the Foundation's priorities?

- to continue summer courses for teachers
- to continue in-service training of teachers
- to provide pre-service training for teachers
- to develop additional curriculum units for teachers
- to develop videotapes featuring agricultural experts for use by teachers
- to publish a booklet suggesting science fair projects related to agriculture for use by science teachers and students
- to print newsletters focusing on agriculture for students

Who benefits?

In addition to the exposure being provided to Kansas students, it is hoped that others including teachers, parents and administrators will develop a better understanding of agriculture, thus becoming better producers, and consumers of agricultural commodities.

What will young people learn from these efforts?

The Foundation, through its program development, will address seven areas of education. These are:

- The economics of agriculture
- Agriculture and world food production and distribution
- Agriculture and history
- The geography of agriculture
- Agriculture and technology
- Careers and agriculture
- Major agricultural policy issues

Will these new programs and materials create a new curriculum?

NO. The work being done by the Foundation is designed to supplement, not add, to existing public school curricula. Agriculture can successfully be taught as a part of math, language arts, science, social studies, art, music, current events, economics and business courses. The curriculum guide developed by the Kansas Foundation for use by teachers is simply a framework, a scope and sequence plan, to guide teachers in using materials made available by the Foundation.

How was the Foundation organized?

The United States Department of Agriculture invited representatives of our state to participate in a planning meeting during the summer of 1982. These state leaders established a task force which chartered the Foundation in July 1983.

Who serves the Foundation?

The Kansas Foundation includes farmers and individuals who represent the Kansas Legislature, the State Department of Agriculture and Education, agricultural industries, public schools, trade associations, professional groups and colleges and universities.

How can the people of Kansas help?

First, people can help the work of the Foundation by informing themselves about the purpose and plan of the group.

Second, they can join Friends of the Kansas Foundation for Agriculture in the Classroom to support the work through annual financial contributions and donations of time and talent that make possible the Foundation's programs.

Third, Kansans can support the use of Ag in the Classroom materials and programs in their local school districts.

For further information, or to join the Friends of the Kansas Foundation for Agriculture in the Classroom, contact:
Kansas Foundation for Agriculture in the Classroom
Fran Parmley, Administrator
Bluemont Hall, Kansas State University
Manhattan, Kansas 66506
913-532-5886

In 1896, William Jennings Bryan said,
"Burn down your cities and leave our farms and your cities will spring up again as if by magic, but destroy our farms and the grass will grow in the streets of every city in the country"

We invite you to join us in sharing with the young people of Kansas, the importance of agriculture to this state, this country and to the world!

Members of the Kansas Foundation for Agriculture in the Classroom

Dr. Dell Allen
Dept. of Animal Science & Industry
Kansas State University

Helen Bausch
United Agri-Women

Dr. Harold Blackburn
Kansas Dept. of Education

Jack Beauchamp
Kansas House of Representatives

Bob Broeckelman
Farm Credit Banks of Wichita

Dale L. Carey
Ottawa

Brian Davies
Osage City Elementary School

Dr. Calvin Drake,
Dept. of Animal Science & Industry
Kansas State University

Altis Ferree
Kansas State Board of Agriculture

Steve Fisher
State 4-H Youth Programs

Marvin Hachmeister
Adult & Occupational Education, KSU

Rich Hager
Soil Conservation Service

Chuck Hessenflow
Farmway Co-op of Beloit

Mr. Dee James
Topeka

Dr. Gene Kasper
Kansas Board of Regents staff

Duane Lankard
Correspondent & Agric. Banking Dept.
Merchants National Bank

HONORARY MEMBERS

Dr. David Mugler, Director, Resident Instruction, College of Agriculture, KSU

Dr. Jerry Horn, Associate Dean, College of Education, KSU

Harland Priddle, Former Secretary, Kansas State Board of Agriculture

Sam Brownback, Secretary, Kansas State Board of Agriculture

Janis Lee
Kansas Association of School Boards

Joe Lieber
Kansas Cooperative Council

Nancy Lindberg
Wichita

Loreen Locke McMillan
Board of Agriculture staff

Don Montgomery
Kansas Senator, 21st District

Barbara L. Moyer
Kansas Farm Bureau

Les Olsen
Kansas Dept of Education

Jo Ann Pottorff
Kansas House of Representatives

Mardelle Pringle
Kansas Livestock Assn.

Carolyn Schmitt
K-NEA President

Nancy Spiegel
W.I.F.E.

Clayton Stultz
Wamego

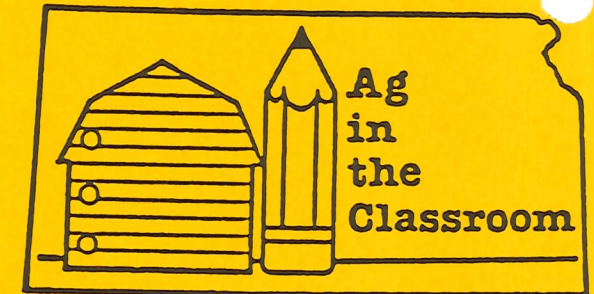
Randall D. Tosh
Valley Falls

Pat Vining
Richmond

Chris Mosier Wilson
Kansas Grain and Feed Dealers

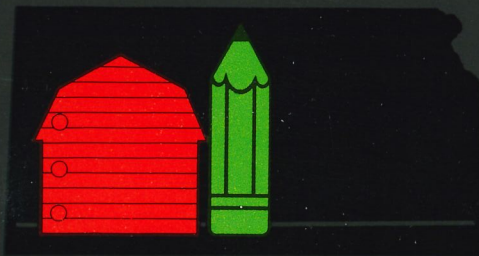
Dave Woolfolk
Fed. Land Bank Assn of
Manhattan-Abilene

*"A partnership
of agriculture
and education
serving Kansans"*



The Kansas
Foundation
for Agriculture
in the
Classroom

KANSAS
FOUNDATION
FOR AGRICULTURE
IN THE
CLASSROOM



\$500,000 is not a large amount compared to the net worth of American Agriculture, which is now in excess of \$1 trillion. It is, in fact, small compared to the value of the food, fiber and shelter we each receive as a result of agriculture. Most importantly, it is the key to endowing and maintaining a working partnership between Kansas Agriculture and Education. Now more than ever there is an urgency in the United States for agriculture to survive and prosper. This is not an easy time for those who make a living from agriculture to contribute personal finances to such a cause. However, one of the purposes of the Kansas Foundation of Agriculture in the Classroom is to impress on every citizen the significance of a healthy American Agriculture. Our greatest challenge in the days ahead will be fighting for the vitality of American and Kansas Agriculture through an informed public.

Throughout history, the rise of civilization has coincided with the development of agriculture.

In early days in the United States, every man, woman and



child worked the land — cleared it, plowed, planted, harvested and preserved the yield. There was little surplus. People farmed to survive and all food, clothing and shelter were the province of the family unit.

As people settled together some exchange of goods and services and talents began. Farm women kept the family cow, raised chickens and pigs, butchered, baked, canned, tanned, wove cloth and cobbled shoes.

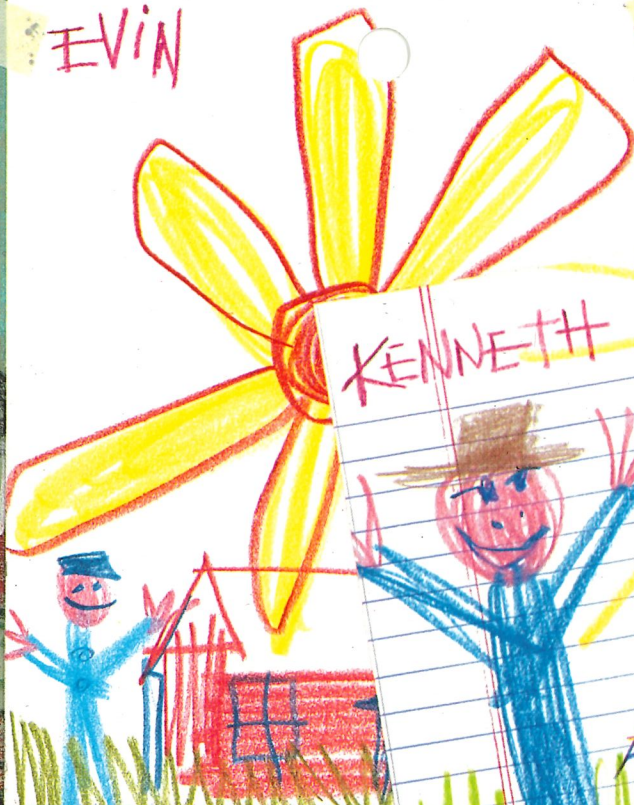
The men turned their efforts to increasing crop yield for market. Implements were improved, technology advanced and food gradually became more abundant.

Once there was a reliable pattern of living that guaranteed a surplus of food, people could buy from others instead of doing everything themselves. With the agricultural base established, people began to move to cities and turn their attention to other activities.

The shift from subsistence farming to a market economy also brought a change in the farm family. Only as long as someone stayed “down on the farm” could brothers and sisters pursue education or work in industry. People had choices.

In the United States today, “someone” is still down on the farm. Of every one hundred people, three work in agriculture taking care of the basics — food, clothing and shelter for the nation.

EVIN



KENNETH



Providing food, to most of us, means stopping at the store on the way home from work. We have lost a personal connection with agriculture in our daily lives. We expect the grocery shelves to overflow with cheap products even if they are out of season or come from another country. We have high expectations and yet very little awareness that agriculture is our number one industry, the number one employer and the number one exporter.

Every American depends on five acres of land. From that, every year, we consume 156 pounds of meat, 136 pounds of fruit, 156 pounds of vegetables, 348 pounds of dairy products, 81 pounds of potatoes, 49 pounds of poultry and 625 pounds of paper.

As consumers we don't realize the competing pressures to put agricultural land to other uses. We don't think about the consequences of problems or practices of other industries or the government on agriculture and, ultimately, on our lives.

Therefore, an agenda for including agriculture in the

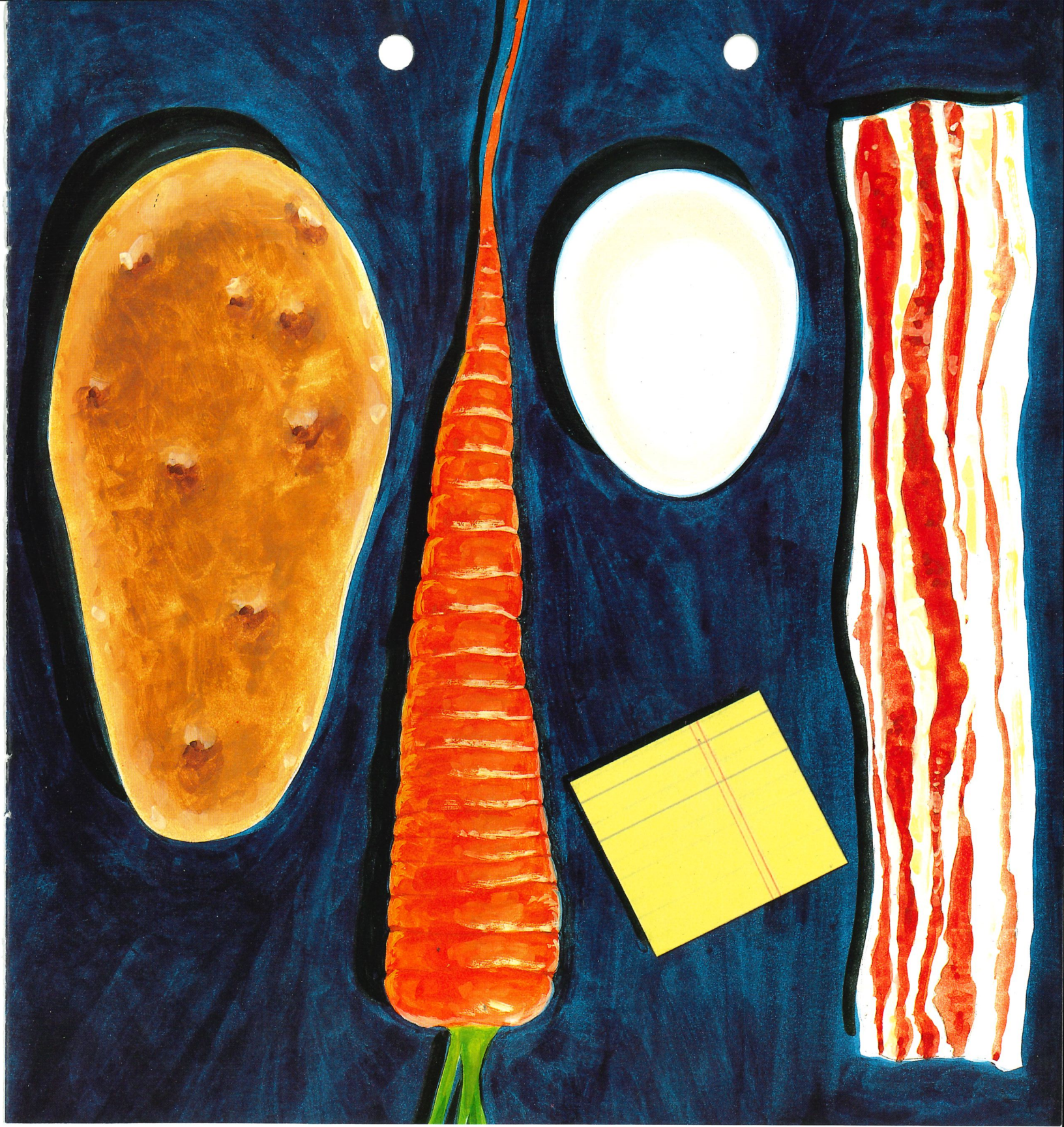


classroom is being prepared by the Kansas Foundation. It is offered to Kansas teachers as a tool to reintroduce agriculture in an integrated way through the classes now taught in schools.

Because agriculture is so much a part of every discipline, creating activities to illustrate it should be easy.

The world of tomorrow, the one our students will oversee, requires an understanding of the interconnectedness, interdependence and consequences of their decisions. As consumers and citizens of a democracy they will have to be informed about how land will be used, about who will control its use, and about the impact of their lifestyles on the environment. The decisions can either be made intelligently and cohesively or they will be haphazard and piecemeal. It is the hope of the Kansas Foundation for Agriculture in the Classroom that they will be made from a solid background of agricultural information.

The Agriculture in the Classroom effort began in 1982 under the guidance and leadership of the United States Department of Agriculture. In its earliest stages, leading farm states,



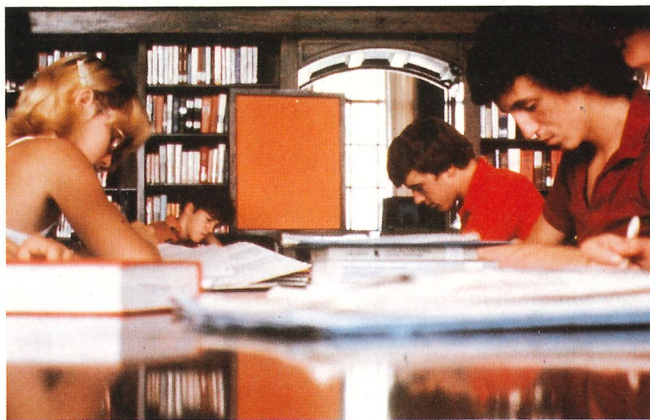
like Kansas, assembled task force groups. These were comprised of leaders in agriculture and education alike, including farmers, teachers, state legislators, representatives of the state departments of agriculture and education and business leaders. Together, they formed what is now called the Kansas Foundation for Agriculture in the Classroom. The Foundation was incorporated under Kansas law in July, 1983, for the purpose of establishing itself as a not-for-profit corporation. This simply means that the Foundation can now legally accept contributions from individuals and companies which may be deducted from the donor's tax liability. Although the U.S.D.A. played an important role in the establishment of Agriculture in the Classroom, the Kansas Foundation operates independently of U.S.D.A. oversight.

To date, all of the work accomplished by the Foundation has been the result of countless hours of volunteer effort from many individuals and businesses. Those serving on the Foundation and its Board of Directors either do so as an extension of their professional activities or give of their personal time without compensation. The Agriculture in the Classroom effort, however, has grown to the point that a full-time, salaried individual is now required to administer Foundation programs, gather and disseminate materials and coordinate activities. To provide a salary, office space and operating expenses, an endowed fund must

be created which will generate the annual revenue necessary to cover these costs.

The Kansas Foundation for Agriculture in the Classroom currently has five standing committees which include fund raising, materials, recognition, implementation and distribution and public relations. Previously a curriculum committee existed, but finished its work in the summer of 1984, with the completion of a comprehensive scope-and-sequence curriculum guide for grades K-12. Written under the guidance of ten Kansas educators, this curriculum outline is currently being edited, pilot-tested and prepared for distribution to teachers across the state.

Unlike many special interests competing for the attention of our children during their school day, this effort is designed to supplement, not add to





FARMERS

USDA UNIVERSITY

TEACHERS

EDUCATORS

STATE LEGISLATURES

STUDENTS

REPRESENTATIVES

Burdette



the curriculum already being used. U.S. Secretary of Agriculture John Block explained, "We are not interested in making farmers out of everyone or getting everyone "back on the farm." We simply want a nation of people who understand the significance of agriculture —

who appreciate the impact that its food, fiber and forestry have on their lives."

It seems this objective can best be carried out by sharing with students as a part of their formal education, an appreciation and understanding of our state and nation's most important industry! The curriculum guide outlines specific ways for teachers to teach the concepts of math, social science, history, geography, language arts, natural sciences and economics while highlighting for students the massive and complex business called agriculture. More and more, agricultural policy decisions run the risk of being shaped by people who, although they are concerned about agriculture and food issues, do not have the information or background to fully understand them. That's why educational materials and programs have been and will

continue to be developed to enhance our state's public school curricula.

Many of the state's agricultural trade associations, commodity producer groups and support organizations have joined this effort. Their representatives serve on the Foundation and its committees. They share materials and

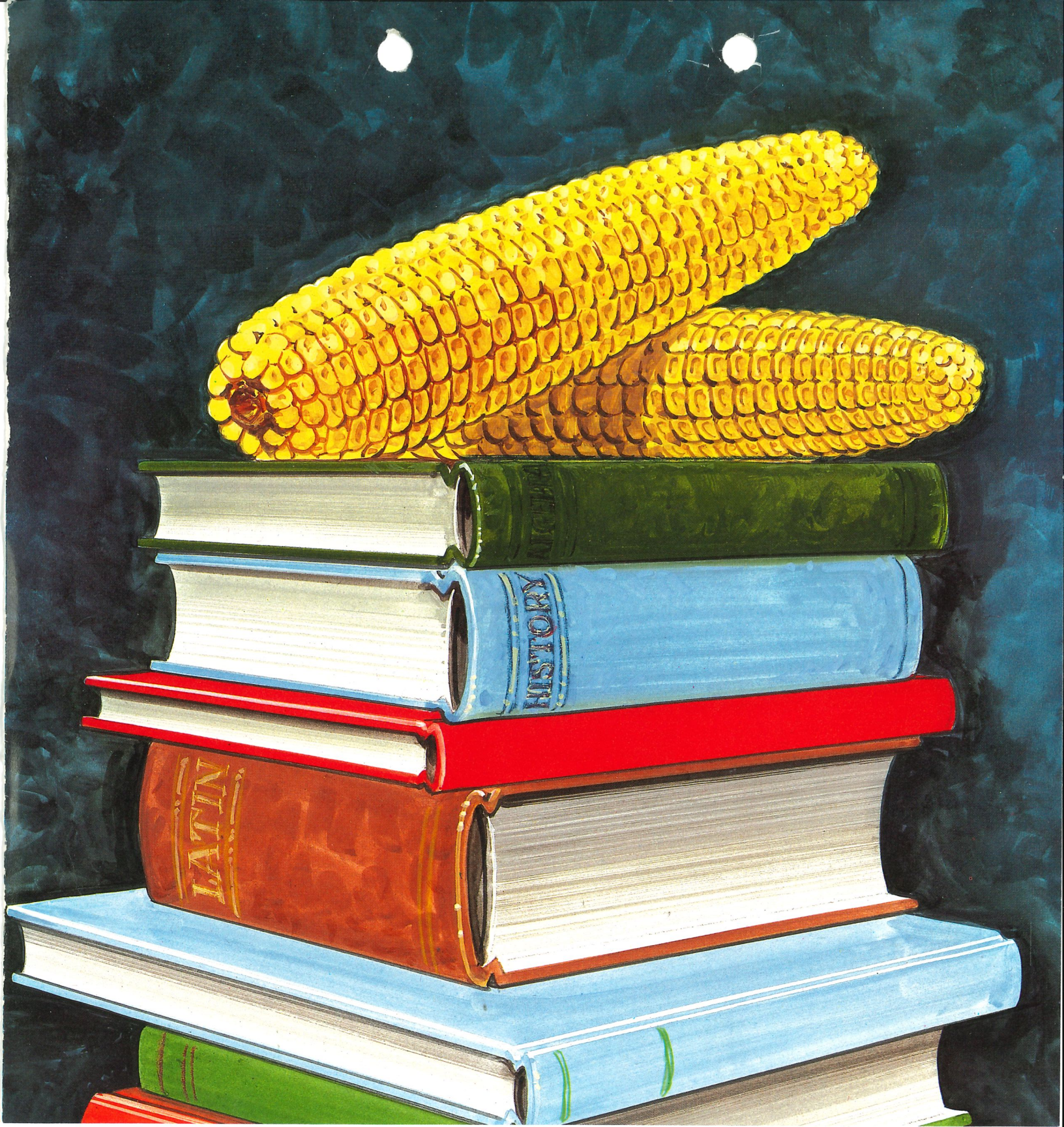


programs they have developed and carry the message of its purposes all across the state. These individuals, through their professional associations represent most, if not all, of the farm families in Kansas. Many of these groups have contributed funds directly from their treasuries for Foundation use. It is still imperative, however, that every person involved in Kansas Agriculture support this effort in order for it to succeed.

You are invited to join the Kansas Foundation for Agriculture in the Classroom as it works to meet two specific goals:

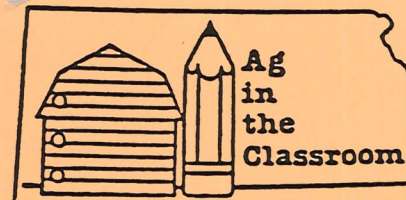
- to provide for Kansas students an understanding and appreciation of the food chain, which is the foundation of human life and,
- to promote the well-being of agriculture as a necessary forerunner to the well-being of America.

To make a tax-deductible contribution, please contact:
Duane Lankard
Treasurer
Kansas Foundation for
Agriculture in the Classroom
Merchants National Bank
P.O. Box 178
Topeka, Kansas 66601



SPECIAL EDITION!

AG - CITING



Published by:

Kansas Foundation for Agriculture in the Classroom
Bluemont Hall, Kansas State University
Manhattan, Kansas 66506

NEWS

Kansas State Fair Becomes Classroom

The Kansas Foundation for Agriculture in the Classroom sponsored at the 1987 Kansas State Fair an educational opportunity for students called an "Ag Citing Experience". The "experience" included a variety of activities. Publicity announcing the opportunity invited classes and individual students to participate by visiting the Foundation exhibit in the Pride of Kansas Building at the fair. At the Ag in the Classroom exhibit students were given an activity sheet, appropriate for their age level, which instructed them to visit other exhibits on the fairgrounds to find the answers to the questions on the activity sheet and to return their completed sheet to the Foundation exhibit for a reward. The answers were provided on posters seen in the exhibits cooperating with the Foundation on the "experience" project. Exhibitors staffing the various exhibits, where answers were to be found, were encouraged to provide additional information and educational materials to the students.

Teachers were invited to bring their class to the fair on a field trip and to pre-register for special mini-classes planned for groups participating in the "experience".

The mini-classes offered for groups focused on these eight topics: "Wheat Makes Neat Treats", "Beef on the Hoof", "The B in BLT", "Ice Cream on the Hoof", "Egg-stra, Egg-stra, Learn All About It", "The Great Pumpkin", "From Lamb to Sweater", and "The Amazing Seed". The classes were conducted by the superintendents of various fair exhibit departments and other ag experts.

As each student returned to the Foundation exhibit with a completed activity sheet, the questionnaire was checked for correct answers. Incorrect answers were discussed with the student. Then the sheet was stamped with a stamp that impressed "Good Job!", in large letters, and "Kansas Foundation for Agriculture in the Classroom" and the student was allowed to choose one reward from the selection of rewards offered.

The activity sheets were returned to the students with a suggestion that they show them to their teacher at school in order to extend the "experience" and information about the Foundation to teachers and other students.

The Foundation intends to continue and expand this learning opportunity for students at future state fairs. The Foundation offers in-service training and resource materials to assist teachers to integrate facts about agriculture into classes they currently teach in math, language arts, science, social studies, art, music, current events, economics and business courses in grades kindergarten through twelve. Watch for additional information about the "Ag-Citing Experience" and other projects sponsored by the Foundation published in the Ag in the Classroom Newsletter "Ag-Citing News" mailed to every school librarian in the state.

Pre-School and Kindergarten

- * circle - tomatoes, green peppers, grapes - they grow above ground
- * X - carrots, potatoes - they grow below ground
- * poultry-cracked corn; cattle-alfalfa hay, silage, grasses; swine-cracked corn; rabbits-alfalfa pellets; horses-oats, alfalfa hay; goats and sheep-oats, grasses, alfalfa hay

First and Second Grade

1. chicken-coop; pig-pen; horse-stable; duck-pond
2. goat-hair; rabbit-fur; chicken-feathers; calf-hair
3. combine
4. 1-combine; 2-flour mill; 3-bakery; 4-bread
5. wheat-flour, spaghetti; corn-corn oil, margarine; soybeans-margarine; oats-oatmeal.
6. 252 pounds, pounds.

Third and Fourth Grade

1. 26,000 brands
2. nitrogen
3. once a year, about 4 pounds
4. 252 pounds, 200 pies (80% yield-1 pound per pie)
5. 52.4 million acres in Kansas, 47.9 million acres farmland in Kansas-1986.
6. 220 pounds
7. 720 quarter-pound hamburger patties
8. 240 eggs, 20 cartons
9. summer - June and July, 70 loaves of bread
10. cooking oil, margarine, spoonable dressings, pourable dressings, shortening
11. 1000 pounds, 72 8-ounce glasses, a bathtub full of water-25-35 gallons
12. queen, drones, workers

Fifth and Sixth Grade

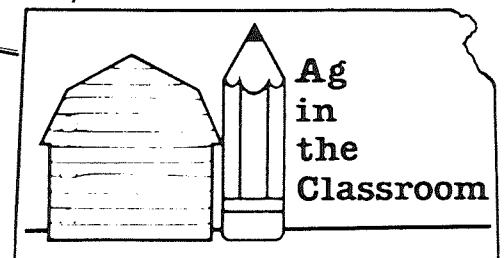
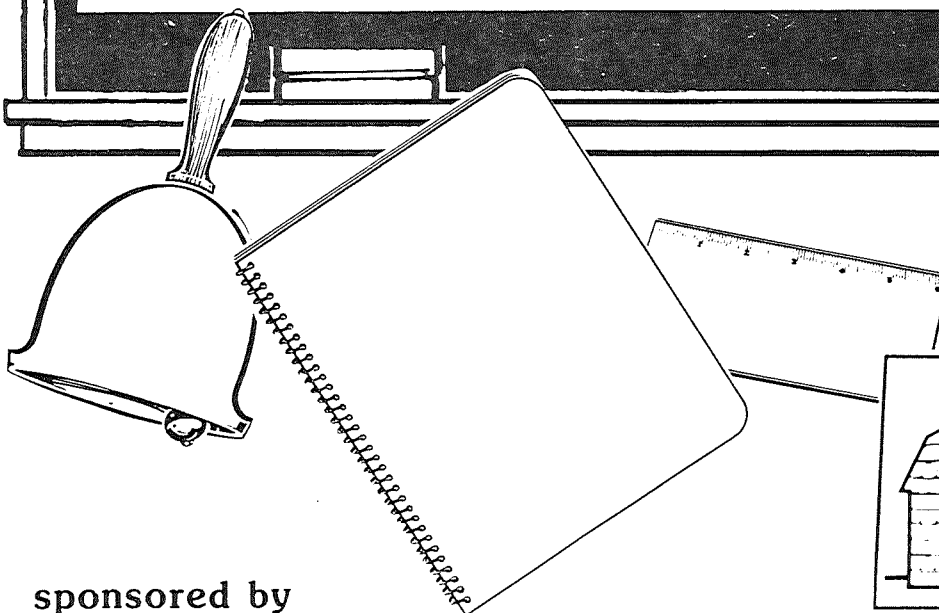
1. terraces, 100 years
2. brand
3. 3 million pounds of beef
4. cottonwood
5. 18,774,944 pounds of flour
6. burn
7. trademark
8. thiamine
9. calories
10. jumbo
11. corn-spring, fall; wheat-fall, summer; soybeans-spring, fall
12. apairy, apairist, honey and beeswax
13. 30 %, 78 %
14. yes, 10,000
15. protein and carbohydrates
16. seed, soil, water, and sun
17. pasteurized, homogenized
18. popcorn

What's Your Agricultural I.Q.?

1. 100 years
2. nitrogen, phosphorus, potassium
3. squash, 5 sided stem
4. value-added products
5. thiamine
6. nutrients to calories
7. one egg per day, about 240 eggs in a year, 20 egg cartons
8. 130 bushels per acre - 1985 average
9. less than 30 minutes, summer, fall, is planted in the fall and goes dormant in winter
10. Cooking oil, margarine, spoonable dressings, pourable dressings, shortening
11. 30 %, 78 %
12. 10,000
13. land area-52.4 million acres, 47.9 million acres-farming, 4.5 million acres-non-farm purposes-cities, roads, etc.
14. seeds, soil, water, and sun
15. 72 8-ounce glasses, a bathtub full of water-25-35 gallons each day
16. yeast breads and rolls
17. 1 of 14 acres
18. milling science, baking science, feed science
19. This answer depends on the price of the tractor viewed at the state fair.
20. 33.7%-Soviet Union, 60%-China; 8 minutes-Soviet Union, 200 minutes-China

WHAT'S YOUR AGRICULTURAL I. Q.?

Welcome to the Kansas State Fair. Would you consider yourself knowledgeable about about our state's largest industry? Test your understanding of Kansas agriculture by completing this Ag I.Q. questionnaire. Follow the map to find the designated areas where the answers can be found. The answers are located on posters displayed at the exhibits in those areas. Each exhibitor has something special on display for you to see, so be prepared for an "AG-CITING EXPERIENCE"! You'll discover that becoming informed about the industry that you rely on each day, to provide the food you eat and the fibers you wear, is interesting and easier than you thought! Don't forget to bring your completed questionnaire back to the Ag in the Classroom exhibit in the Pride of Kansas Building to receive a reward! The Ag in the Classroom exhibit in is the southwest corner of the Pride Building next to the Honey Show.



sponsored by

KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

1. How many years does it take to make one inch of topsoil? _____
 How many tons of Kansas topsoil is lost each year due to erosion? _____
 Knowing these two facts, it's easy to understand why soil conservation is so important. Learn more about soil conservation from the **Kansas Association of Conservation Districts** at their exhibit in the Pride of Kansas Building.

2. Both Kansas farmers and families living in Kansas cities and towns use fertilizer to raise field crops or gardens and lawns. The letters "NPK" are a key to selecting fertilizer. What do these letters represent on a bag of fertilizer? _____
 The **Agri-Pro Corporation** specializes in fertilizer. Check your answer at their exhibit.

3. Some vegetables which are commonly called pumpkins are actually _____
 Stop at the **Horticulture Display** to see the wide variety of vegetables and fruits grown in Kansas and learn how to identify a real pumpkin. What is the one characteristic of a genuine pumpkin that distinguishes it from other large, orange vegetables we call pumpkins? _____

4. The **Marketing Division of the Kansas State Board of Agriculture** helps to market products "From the Land of Kansas". Did you know that "From the Land of Kansas" is a trademark which is used to identify products produced or processed in our state. The Marketing Division can help you answer this question. What term is used to describe foods and beverages that result from the processing of farm commodities and other raw products? _____

5. Pork is the leading source of which B-vitamin? _____
 Pork contains three times more of this vitamin than any other food. That's just one of many good reasons for eating pork. This vitamin is important to your body's nervous system. Check for this answer and learn more about pork at the **Kansas Pork Producers** exhibit.

6. Beef is a nutrient-dense food. Learn the definition of the term nutrient-dense and other facts about beef from the **Kansas Beef Council**. Then fill in the blanks in this sentence. Beef is a nutrient-dense food because of the high proportion of _____ to _____.

7. Eggs really are incredible and versatile. They are one of the foods that are produced right in their own package. The **Kansas Poultry Association** is a walking "eggyclopedia" of facts about eggs. The KPA can tell you: How many eggs does one chicken lay each day? _____
 About how many eggs does one chicken lay in one year? _____
 Then how many one dozen egg cartons can one chicken fill in one year? _____

8. If you had planted an acre of corn 100 years ago you could expect to harvest 28 bushels of corn from that acre. If you had planted an acre of corn this spring, as an average, how many bushels would you expect to harvest this fall? _____
 Check with the **Kansas Corn Commission and Corn Growers** for the correct answer and learn about foods that are made from corn.

9. 100 years ago it took 2 to 3 days to harvest 1 acre of wheat. With today's modern equipment, how long does it take one combine to harvest an acre? _____

What season of the year do the combines go to work in Kansas to harvest our number one crop? _____

What season is wheat planted in Kansas? _____

Why is most of the wheat planted in Kansas called hard red winter wheat? _____

The people with all the answers are the people who grow wheat, the **Kansas Association of Wheat Growers**.

10. Many different foods are made from soybeans. The **Kansas Soybean Ladies** are experts on soybeans. Check the list at their exhibit for the types of foods made from soybeans and name four here.

1. _____ 2. _____ 3. _____ 4. _____

11. Weeds can significantly reduce crop yields. For this reason county weed directors have an important job working with property owners in the state of Kansas to reduce noxious weed infestations. Visit the exhibit sponsored by the **County Weed Directors of Kansas** to find the answers to these questions.

Research has shown that a severe bindweed infestation can reduce a wheat crop yield by _____ percent and a grain sorghum crop yield by _____ percent

12. Every year Kansas forests and woodlands grow a net volume of 80 million board feet of wood. Do you know what a board foot is? The **Kansas State University Department of Forestry** can show you a board foot. How many average size homes could be built from the wood grown in Kansas each year? _____

13. Statistics, the collection, analysis, interpretation and presentation of facts and figures, is very important work to the agricultural industry. Statistics on the Kansas industry are collected by **Kansas Agricultural Statistics**, formerly the Kansas Crop and Livestock Reporting Service.

Those statisticians know all about acres, bushels and many other things. and they like answering questions. Find out from them:

What is the land area of the state of Kansas in acres? _____

How many acres are used for farming? _____

Then, figure how many acres are used for non-farm purposes? _____

14. At least four things are necessary to raise a crop in Kansas. Can you name them? 1. _____ 2. _____ 3. _____ 4. _____
If you need help find the answers at the **Kansas Crop Improvement** exhibit.

15. The dairy cow is truly an amazing milk machine.

How many glasses of milk does the average dairy cow produce each day? _____
Cows must drink lots of water to produce milk.

About how much water does a dairy cow drink each day to produce milk? _____

See the experts on dairy facts at the **Midland Dairy Association** exhibit.

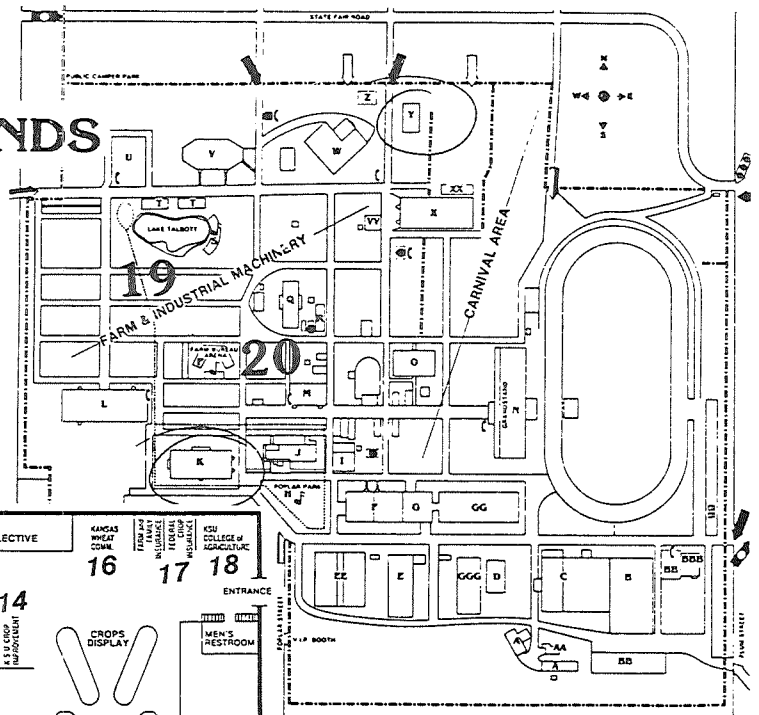
16. Earlier you learned that most of the wheat grown in Kansas is hard red winter wheat. Various types of flour are made from the different types of wheat. Flour made from Kansas wheat is best used to bake what foods? _____
Find this answer and the reason why at the **Kansas Wheat Commission** exhibit.

17. Mother Nature is a farmers friend, but she can be his enemy. There is no guarantee that she will let a Kansas farmer harvest every acre planted. How many acres which are planted each year in Kansas will never be harvested? _____ The Federal Crop Insurance Corporation can provide you the answer.
18. Kansas State University offers the only educational degree programs in the free world in the areas of _____, _____, and _____. Visit the KSU exhibit to learn about the school Willie Wildcat attends.
19. Farmers must have equipment to raise crops and feed livestock. A tractor is as important to a Kansas farmer as a truck is to an independent trucker or a printing press is to a printer who owns his own business. Visit one or more of the **machinery dealers** exhibiting at the fair to ask how much a tractor costs. _____ Then figure how many cars your family could buy for the same price if you could buy a car for \$10,000. _____
20. In the U.S. we spend 12.7% or 12.7 cents of every dollar earned for food. Visit the **Kansas Farm Bureau** exhibit to see the Food Globe where you can compare this figure with the amount spent on food in other countries. What percent of personal spending is spent for food - in the Soviet Union? _____ in People's Republic of China? _____

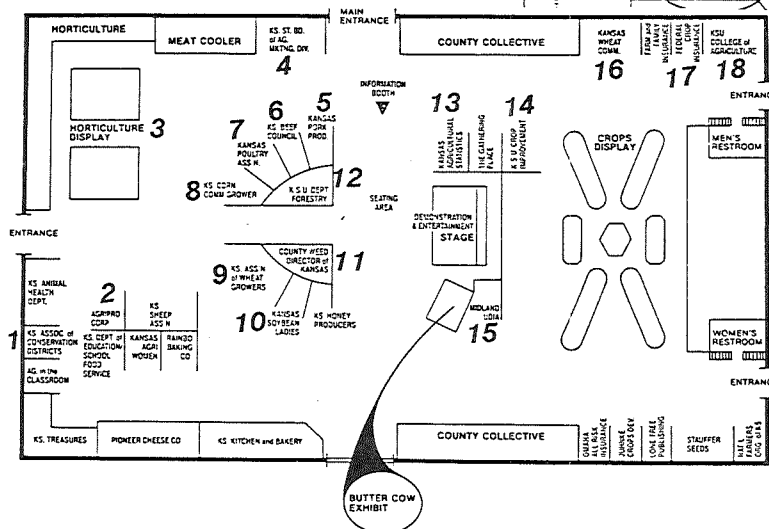
The average American works 3 minutes to earn enough money to buy a loaf of bread.

How many minutes would you have to work to buy a loaf of bread - in the Soviet Union? _____ in People's Republic of China? _____

Guide TO THE FAIRGROUNDS



K - PRIDE OF KANSAS BUILDING

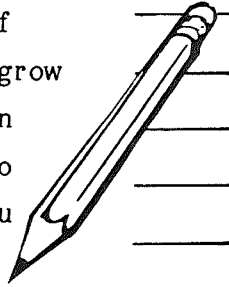


For further information about **AG IN THE CLASSROOM** write: Kansas Foundation for Agriculture in the Classroom Bluemont Hall, KSU, Manhattan, Kansas 66506 913-532-7946

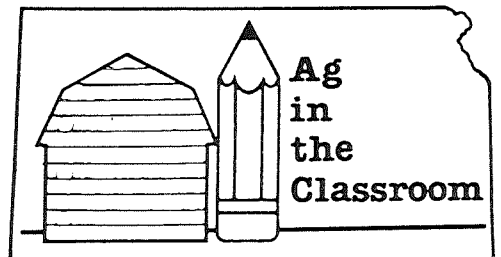
AG-CITING ACTIVITIES FOR PRE-SCHOOL AND KINDERGARTEN STUDENTS



Welcome to the Kansas State Fair! Your visit to the Fair is a good time to learn about Kansas farms that produce the food you eat. You are likely visiting the fair with Mom or Dad, a teacher or someone who can help you read the activity questions and learn about lots of things. The farms in our state grow many things which you will see on display. You can see animals who live on farms. They can help you learn more about Kansas farms. Finding the answers to the questions on these pages is a fun way to learn about farms and where food comes from. When you have answered each question return these activity pages to the Ag in the Classroom exhibit in the Pride of Kansas Building for a reward. The Ag in the Classroom exhibit is in the southwest corner of the Pride Building next to the Honey Show. Are you ready for an AG-CITING EXPERIENCE? Let's go!



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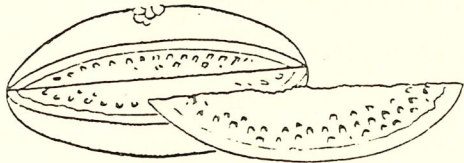


THE KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

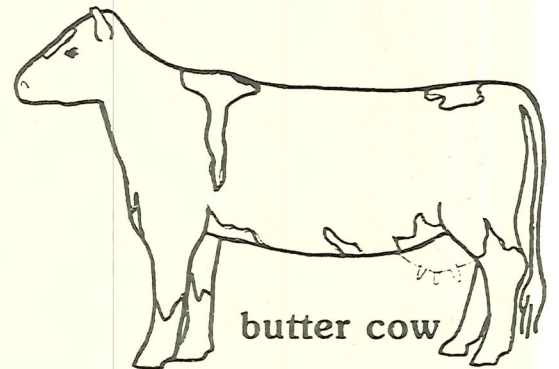
There are lots of fun things to see and learn

In the PRIDE OF KANSAS BUILDING

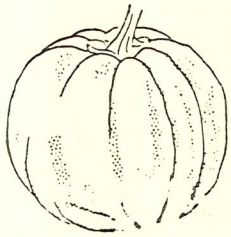
Circle these things as you see them in the PRIDE OF KANSAS BUILDING



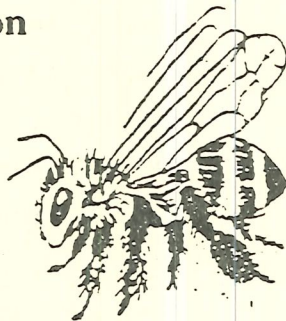
largest watermelon



butter cow



largest pumpkin

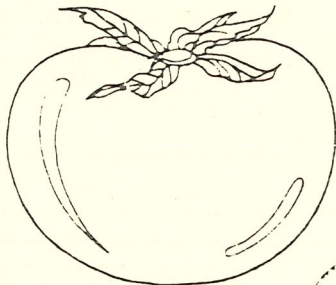


honeybees

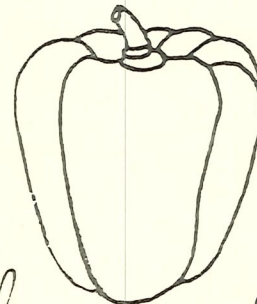
MANY FRUITS AND VEGETABLES GROW IN KANSAS .

CIRCLE THE ONES THAT GROW ABOVE THE GROUND

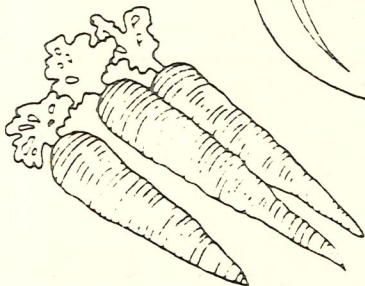
X THE ONES THAT GROW UNDERGROUND.



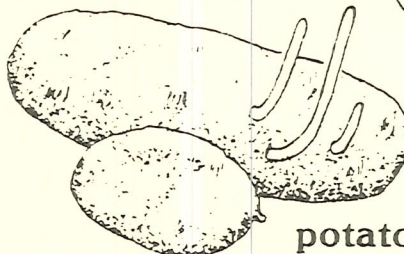
tomatoes



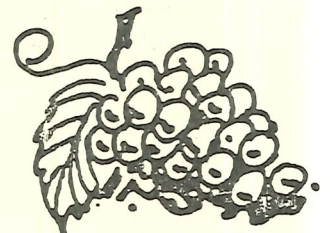
green peppers



carrots



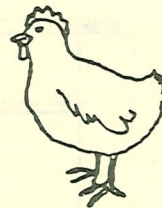
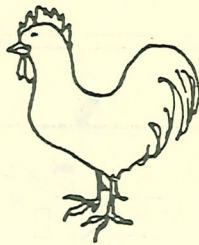
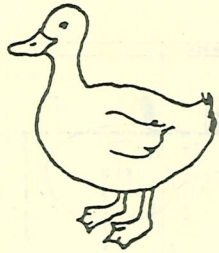
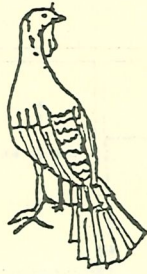
potatoes



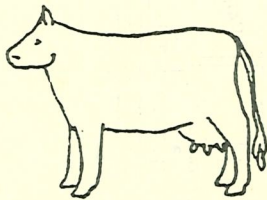
grapes

In the KIDDIES BARNYARD

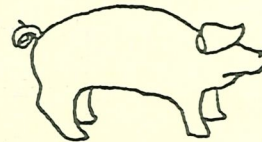
CIRCLE THE FOOD THESE ANIMALS EAT



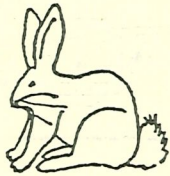
oats
peanuts
cracked corn



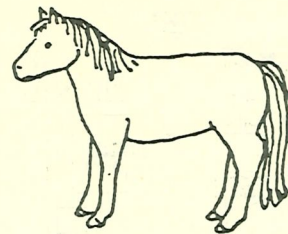
alfalfa hay
silage
grasses



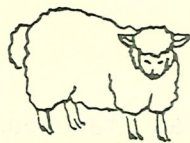
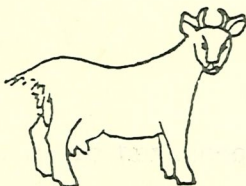
popcorn
hotdogs
cracked corn



alfalfa pellets
popcorn
potatoes



carrots
oats
alfalfa hay



oats
alfalfa hay
grasses
sweet corn

AG-CITING ACTIVITIES FOR FIRST AND SECOND GRADE STUDENTS

Welcome to the Kansas State Fair!

The State Fair is a fun place to learn about agriculture. Agriculture is important to Kansas and you! Agriculture gives you the food you eat and the clothes you wear. Agriculture also helped build the house you live in!

Kansas farms grow many crops and raise many animals. Learning about these crops and animals is easy and fun!

These activity pages contain questions about Kansas agriculture.

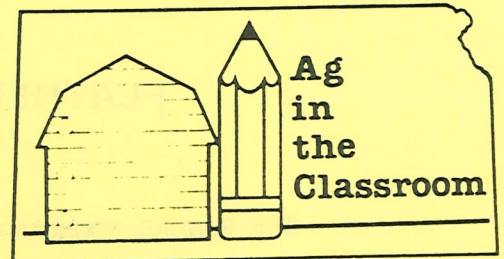
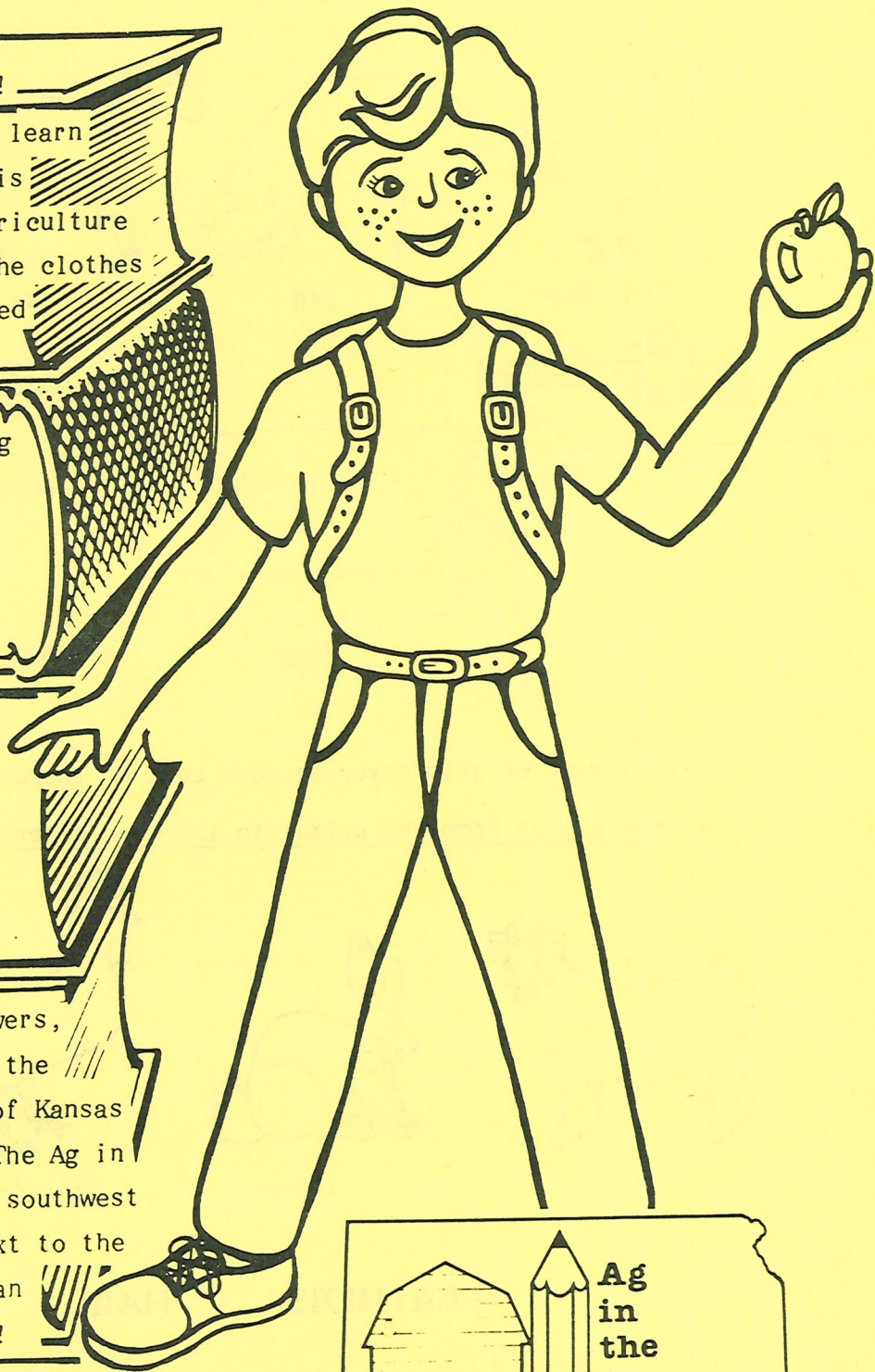
Can you answer them?

Follow the map to find exhibits where you will learn the answers.

The answers are written on posters

at the exhibits.

When you have found all the answers, return these pages to the Ag in the Classroom exhibit in the Pride of Kansas Building to receive a reward! The Ag in the Classroom exhibit is in the southwest corner of the Pride Building next to the Honey Show. Are you ready for an Ag-Citing Experience? Let's go!



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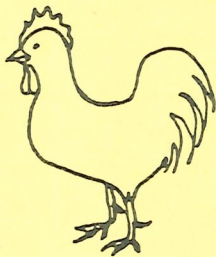
THE KANSAS FOUNDATION FOR AGRICULTURE IN THE CLASSROOM

In the KIDDIES BARNYARD

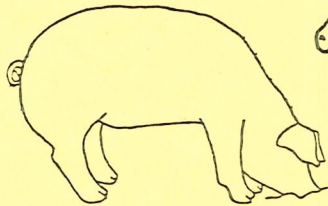
Visit the animals in the KIDDIES BARNYARD to find the answers to these questions

1. Animals live in different kinds of homes.

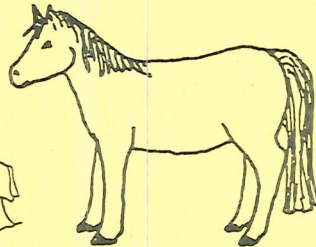
Draw a line from the animal to the home it lives in.



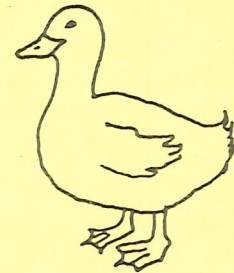
chicken



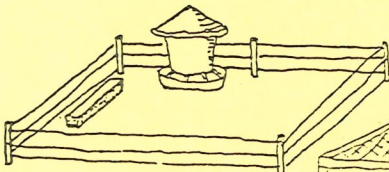
pig



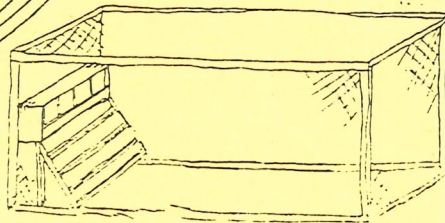
horse



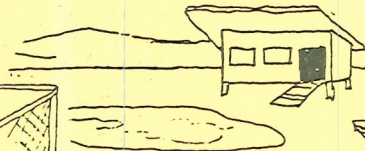
duck



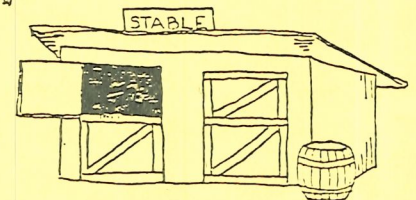
pen



coop



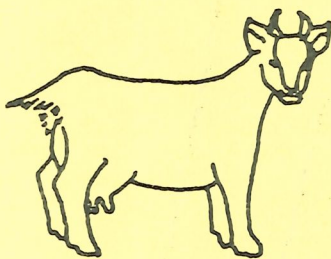
pond



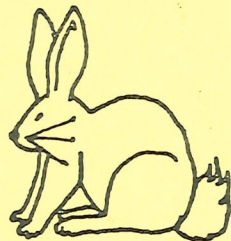
stable

2. What kind of skin covering does each of these animals have?

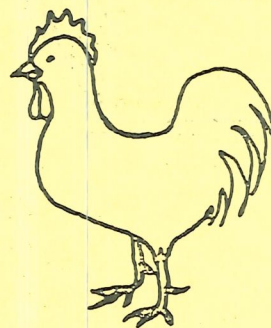
Draw a line from the animal to the word describing its skin covering.



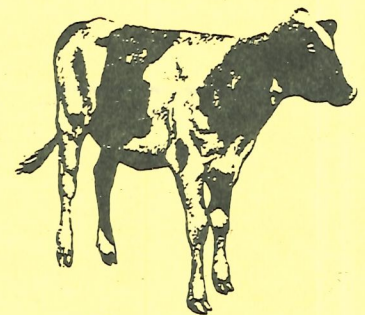
goat



rabbit



chicken



calf

FEATHERS

HAIR

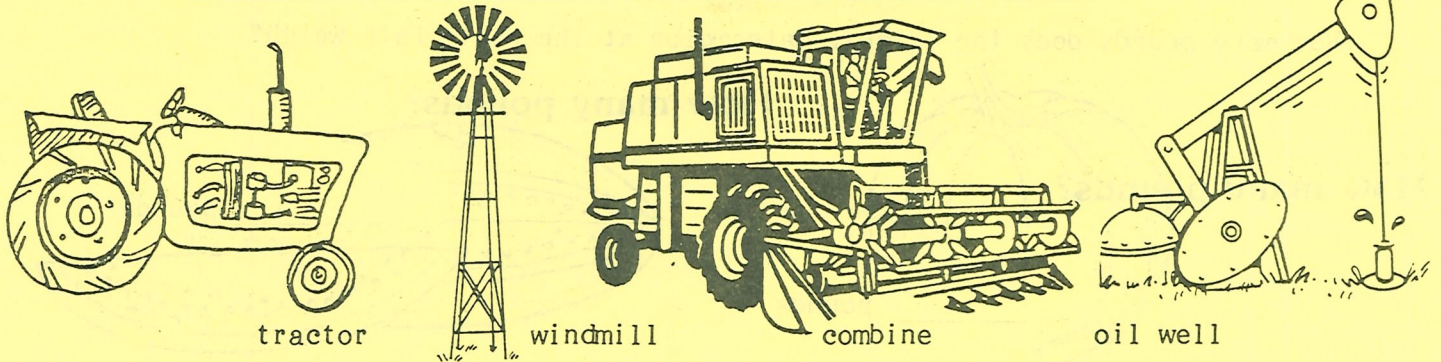
FUR

In the PRIDE OF KANSAS BUILDING

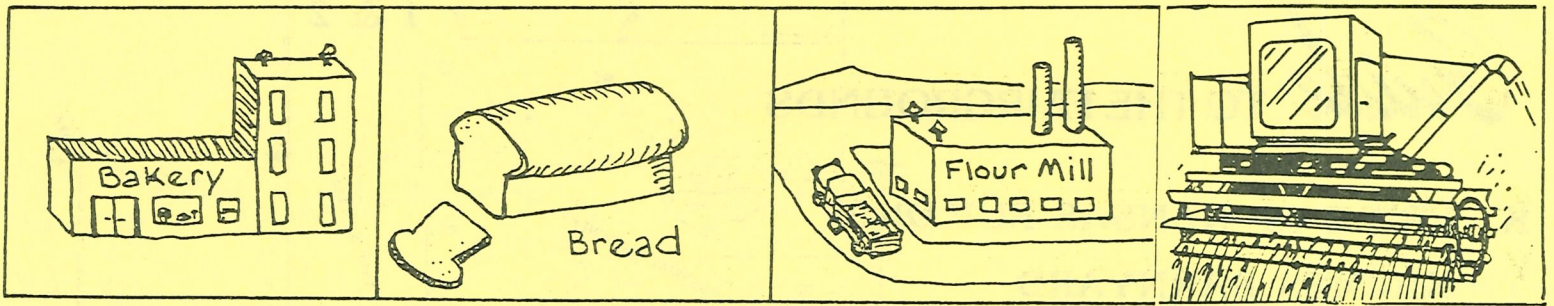
Visit the PRIDE OF KANSAS BUILDING to find the answers to these questions.

3. Kansas farmers grow many kinds of grain. Kansas is the Wheat State.

Circle the picture of the machine used to harvest grain.

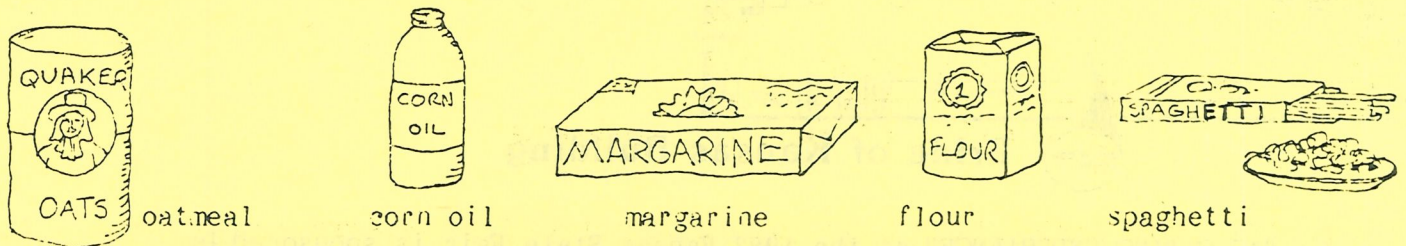
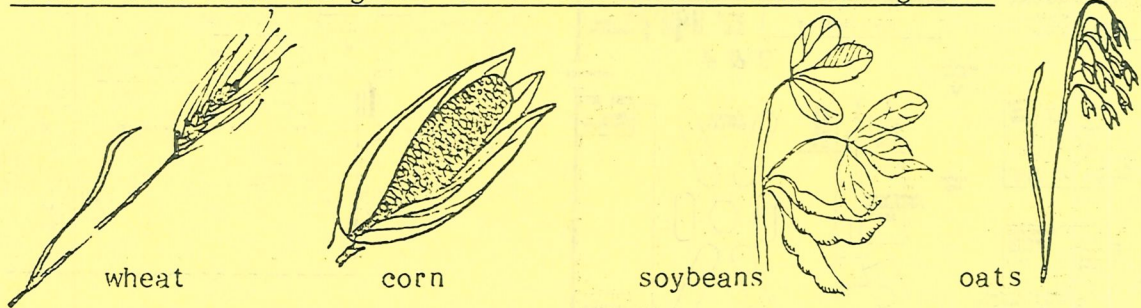


4. Wheat stops at many places in its journey from a Kansas farm to your dinner table. These are the stops. Number the pictures in order.



5. The grains grown in Kansas are used to make many foods.

Draw a line from the grain to the foods made from that grain.

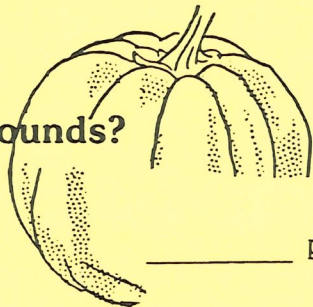


6. Vegetables and fruits like pumpkins and watermelons are grown on Kansas farms.

How many pounds does the largest pumpkin at the State Fair weigh?

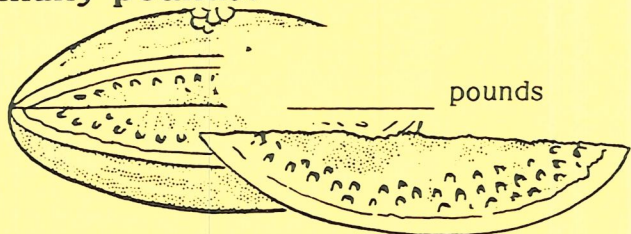
How many pounds does the largest watermelon at the State Fair weigh?

How many pounds?



_____ pounds

How many pounds?



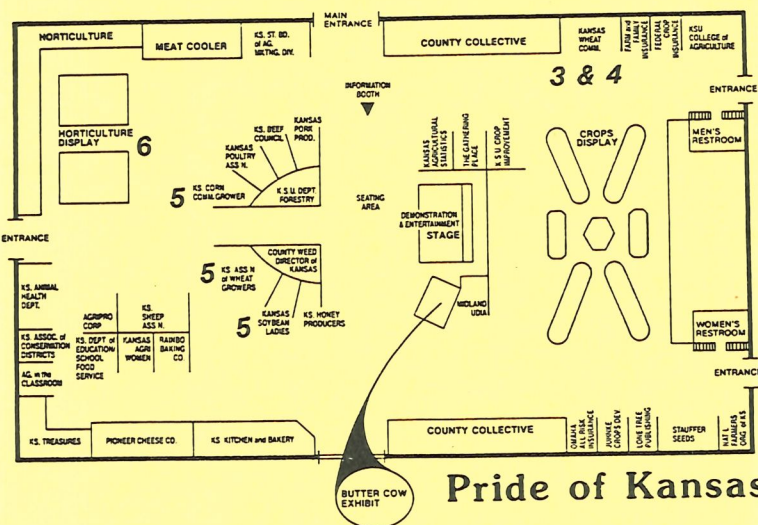
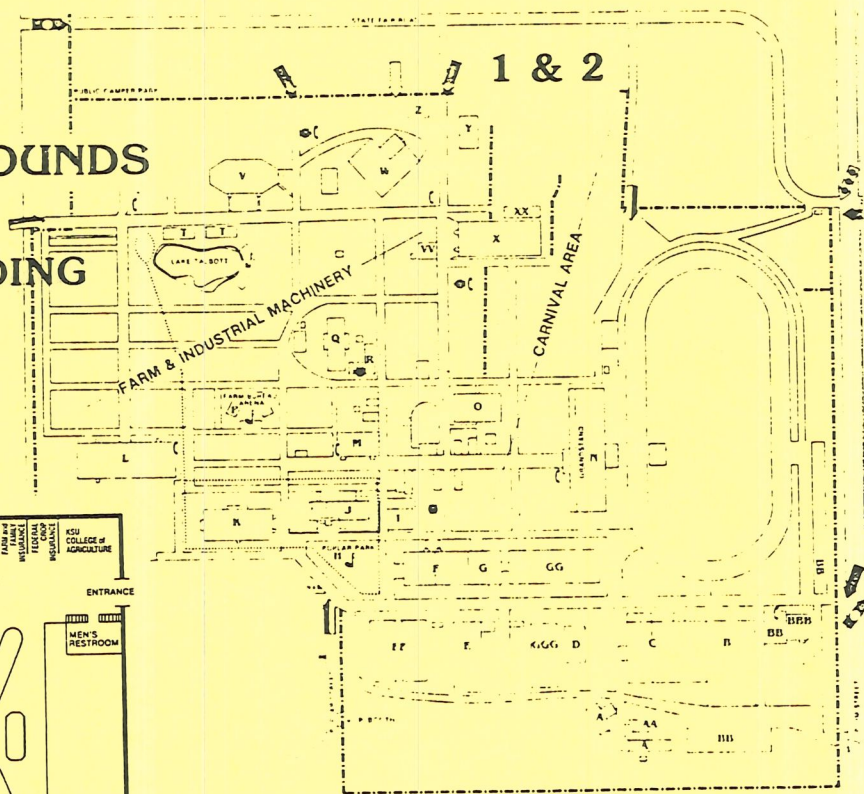
_____ pounds

Which weighs more you or the pumpkin? _____

Guide TO THE FAIRGROUNDS

K - PRIDE OF KANSAS BUILDING

Y - KIDDIES BARNYARD

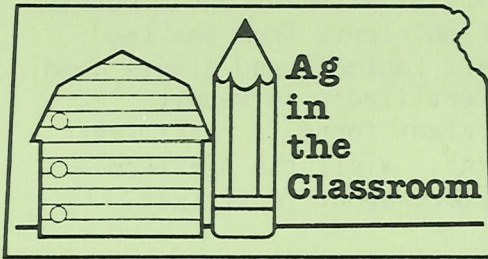


Pride of Kansas Building

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AG-CITING ACTIVITIES FOR THIRD AND FOURTH GRADE STUDENTS



Welcome to the Kansas State Fair! There are many things to see and do at the State Fair. For one thing you can learn lots about Kansas agriculture. Agriculture is the most important industry in our state. We depend on agriculture to provide us with food, clothing, and shelter. These activity questions will give you clues to some important Kansas ag facts. You'll be able to find the answers at the different exhibits on the fairgrounds. The map will tell you where to find the answers. The exhibits marked with a number will have posters to help you find the answers to the questions. When you have answered each question return these pages to the Ag in the Classroom exhibit in the Pride of Kansas Building for a reward. The Ag in the Classroom exhibit is in the southwest corner of the Pride Building next to the Honey Show. Now get ready for an AG-CITING EXPERIENCE!

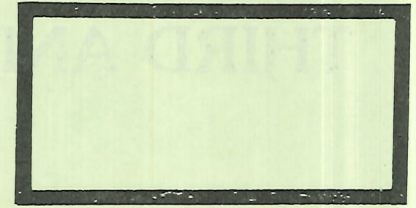
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There are lots of fun things to see and learn

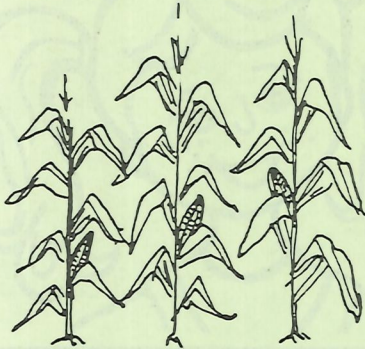
1. Brands such as XIT are a return address for cattle. They are used to help identify herds of cattle. Stop by the **Kansas Animal Health Department** exhibit to learn more about cattle brands in Kansas.

DRAW YOUR
FAVORITE
BRAND HERE.



How many cattle brands are registered in Kansas?

ANSWER: _____ brands



2. Boys and girls need nutrients like vitamins and minerals to live and grow. We get our nutrients from the food grown by farmers for us to eat. Animals and plants need nutrients too. Farmers use fertilizers to supply nutrients to plants. One nutrient found in fertilizer also begins with the letter "n". Visit the **Agri-Pro Corporation** exhibit to learn more about fertilizer.

Name the nutrient needed by plants beginning with "n".

ANSWER: N _____

3. Lambs are sheep which are less than one year old. Lambs bodies are covered with wool to keep them warm during the cold winter months in Kansas. Farmers shear their sheep and sell the wool fabric for making warm clothing for you to wear. See sheeps' wool at the **Kansas Sheep Association** exhibit and learn the answers to these questions.

How often are sheep sheared?

How much wool is sheared from one lamb?

ANSWER: _____

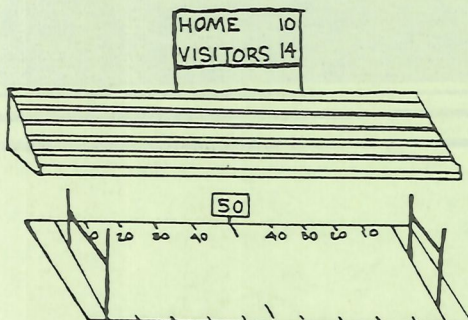
ANSWER: _____

4. Some Kansas farmers grow vegetables such as carrots, green beans, and pumpkins. How much does the largest pumpkin displayed at the **1986 Kansas State Fair** weigh? How many pumpkin pies would this pumpkin make?

ANSWER: _____ pounds

ANSWER: _____ pies

Which weighs more the pumpkin or you? _____



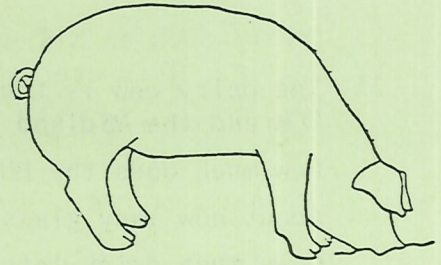
5. An acre is a piece of land about the size of a football field. Kansas farms are measured in acres. **Kansas Agricultural Statistics**, formerly the **Kansas Crop and Livestock Reporting Service** can tell you how much total land area in acres there is in Kansas and how many acres are farmland.

ANSWER: acres in Kansas _____

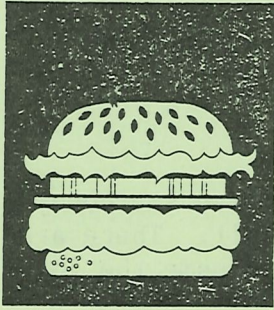
ANSWER: acres farmland _____

Learn about at the 1987 KANSAS STATE FAIR

6. Meat from pigs is called pork. Pigs give us bacon, ham, ground pork, and pork chops. Stop at the **Kansas Pork Producers** exhibit to ask questions you may have about pigs. Be sure to find out about how many pounds a pig weighs when it is sent to market.



ANSWER: _____ pounds



7. Beef is meat from cattle that is used to make hamburgers. A calf born when you were in the second grade will be sent to market when you are in the fourth grade. How many hamburgers can you get from a steer when it is sent to market? Find this answer at the **Kansas Beef Council** exhibit.

ANSWER: _____ quarter-pound hamburger patties

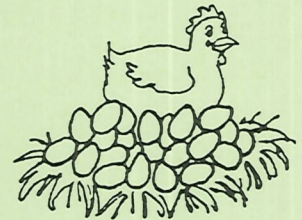
8. Chickens give us eggs. Chickens are one type of poultry. Visit the **Kansas Poultry Association** exhibit to learn these answers.

About how many eggs does one chicken lay in one year?

ANSWER: _____

Then how many one dozen egg cartons can one chicken fill in one year?

ANSWER: _____



9. Kansas grows more wheat than any other state in the United States. Visit the **Kansas Association of Wheat Growers** exhibit to learn the answers to these questions.

What season of the year is Kansas wheat harvested? ANSWER: _____

How many bushels of wheat were harvested in Kansas this year? ANSWER: _____

How many loaves of bread can be made from the flour made from one bushel of wheat?

ANSWER: _____ loaves



10. Soybeans are the third largest crop grown in the United States. You can see samples of soybeans at the **Kansas Soybean Ladies** exhibit.

Name four food products made from soybeans.

ANSWER: 1. _____ 2. _____ 3. _____ 4. _____

11. The dairy cow is truly an amazing milk machine. Be sure to see the BUTTER COW and the Midland United Dairy Industry Association exhibit.

How much does the BUTTER COW weigh? ANSWER: _____

About how many glasses of milk does a cow produce each day? ANSWER: _____

Cows must drink lots of water to produce milk.

About how much water does a dairy cow drink each day to produce milk?

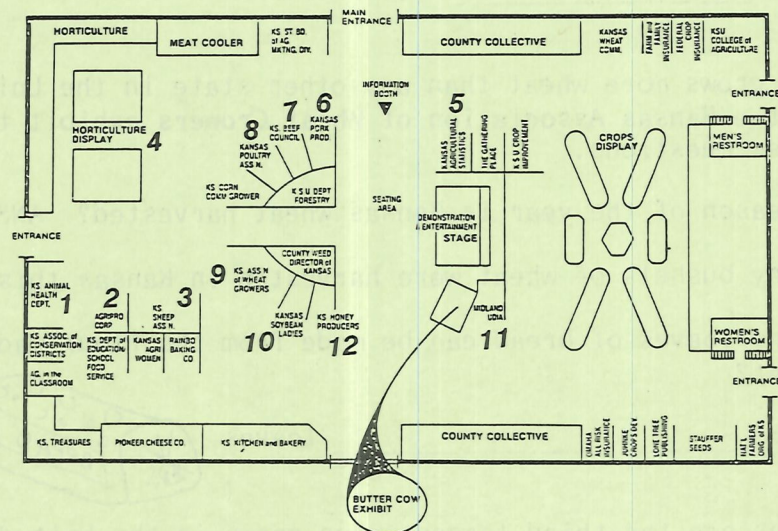
ANSWER: _____

Visit the Dairy Barn on the fairgrounds to see the different breeds of dairy cattle and to see cows being milked.

12. Honeybees work hard to fill their hives with honey. You can see honeybees at work in their hive at the Kansas Honey Producers exhibit. There are three types of honeybees that live in each hive. Can you name the three types?

ANSWER: 1. _____ 2. _____ 3. _____

GUIDE TO The Pride of Kansas Building

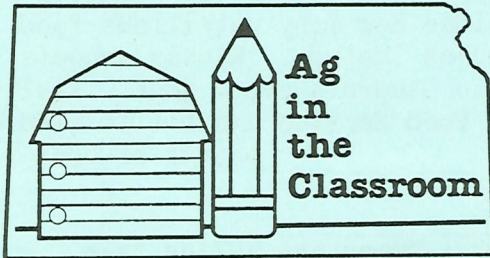


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AG-CITING ACTIVITIES FOR FIFTH AND SIXTH GRADE STUDENTS



Welcome to the Kansas State Fair! The State Fair is a good opportunity to learn about agriculture. If you have wondered why agriculture is the highlight of the State Fair, it's because agriculture is so important to Kansas. Let's see how many ag facts you can learn. Follow the map to find the answers to the questions on these pages. The map indicates the designated exhibits where you will find clues to the answers written on posters. Don't forget to return your completed activity pages to the Ag in the Classroom exhibit in the Pride of Kansas Building for a reward. The Ag in the Classroom exhibit is in the southwest corner of the Pride Building next to the Honey Show. Start now for an AG-CITING EXPERIENCE!

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FIND THE ANSWERS TO THESE QUESTIONS? CHECK MAP ON BACK PAGE TO FIND EXHIBITS.

1. Farmers build _____ for soil conservation. Visit the **Kansas Association of Conservation Districts** exhibit to learn the answer and more about soil conservation. Find out how many years it takes to make an inch of top soil - which is the reason soil conservation is so important.
ANSWER: It takes _____ years to form an inch of topsoil.
2. A return address for cattle is a _____. The **Kansas Animal Health Department** has the answer for this one.
3. Every school day the students of Kansas eat 265,000 school lunches. That's a total of 45 million school lunches which are served in Kansas each school year. Stop right now to consider how many nutritious food products produced in this state those lunches include. Kansas schools serve more than 10 thousand tons of food to students every year. Visit the **Kansas Department of Education School Food Service** exhibit to find out how much of that is Kansas beef. ANSWER: _____ pounds of beef
4. What is the state tree? ANSWER: _____
This is one of the questions the **Kansas Agri-Women** are asking fair visitors. Visit their exhibit to meet the challenge of their quiz board.
5. The Betts Baking Company, Hutchinson which bakes Rainbow Bread uses an average of _____ pounds of Kansas flour to make its products each year. Find the answer to this question and others you may have about bread products at the **Rainbow Bread-Betts Baking Company** exhibit.
6. Wool is a good fiber for making clothing because it will keep you warm and will not _____. Visit the **Kansas Sheep Association** exhibit to fill this blank, learn why this answer is true, and more about sheep and wool.
7. "FROM THE LAND OF KANSAS" is a _____ program used to promote Kansas agricultural products. The **Marketing Division** of the **Kansas State Board of Agriculture** helps farmers and Kansas companies sell the products they produce. The **Marketing Division** can tell you about products "FROM THE LAND OF KANSAS". See product samples at their exhibit.
8. Pork is the leading source of which B-Vitamin? ANSWER: _____
Pork contains three times more of this vitamin than any other food. This vitamin is important to your body's nervous system. Learn the answer to this question and more about pork at the **Kansas Pork Producers** exhibit.
9. Beef is a nutrient dense food. Learn the definition of the term nutrient dense from the **Kansas Beef Council** then fill in the blank in this sentence. Beef is a nutrient dense food because it contains a high proportion of nutrients to _____.
10. There are five sizes of eggs.
In other words, chickens lay eggs in five different sizes.
The largest chicken eggs are called _____.
Who can tell you about chickens and eggs?
The **Kansas Poultry Association** of course.
By the way which came first the chicken or the egg?

11. Wheat, soybeans and corn are very important grain crops grown in Kansas. Visit the exhibits of the experts on these grains the **Kansas Corn Commission and Corn Growers, Kansas Association of Wheat Growers, and Kansas Soybean Ladies** to check for the answers to these questions.

What season of the year is - corn planted? _____ harvested? _____

What season of the year is - wheat planted? _____ harvested? _____

What season of the year are - soybeans planted? _____ harvested? _____

12. A beehive is called an _____.
A beekeeper is called an _____.
What two products do bees produce. ANSWER: _____ and _____
Visit the **Kansas Honey Producers** exhibit to learn about these two products and see a live colony of bees.

13. Weeds can significantly reduce crop yields. For this reason county weed directors have an important job working with property owners in the state of Kansas to reduce noxious weed infestations. Visit the exhibit sponsored by the **County Weed Directors of Kansas** to find the answers to these questions.

Research has shown that a severe bindweed infestation can reduce a wheat crop yield by _____ percent and a grain sorghum crop yield by _____ percent

14. If you were asked the question "Does Kansas have any forests?". What would your answer be? ANSWER: _____
A forest is defined as: a dense growth of trees and underbrush covering a large tract. Did you know that every year the forests in Kansas grow 80 million board feet of wood? The **Kansas State University Department of Forestry** can tell you what a board foot is and how many average size homes 80 million board feet of lumber would build. ANSWER: _____

15. Breads and other wheat foods are important sources of two of the three primary nutrients. Learn the answers at the **Kansas Wheat Commission** exhibit.

ANSWERS: protein and _____

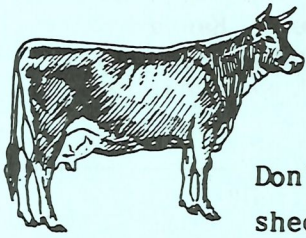
16. At least four things are necessary to raise a crop in Kansas. Can you name them?

1. _____ 2. _____
3. _____ 4. _____

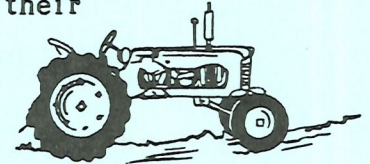
If you need help find the answers at the **Kansas Crop Improvement** exhibit.

17. If the Butter Cow could talk she'd have lots of stories to tell. She'd tell you that milk is _____ to kill harmful germs. And that milk is _____ to break up fat particles and spread them evenly in the fluid. Her friends at the **Midland United Dairy Industry Association** exhibit are speaking for her during the fair. Check there for these and other answers about milk and all the dairy products.

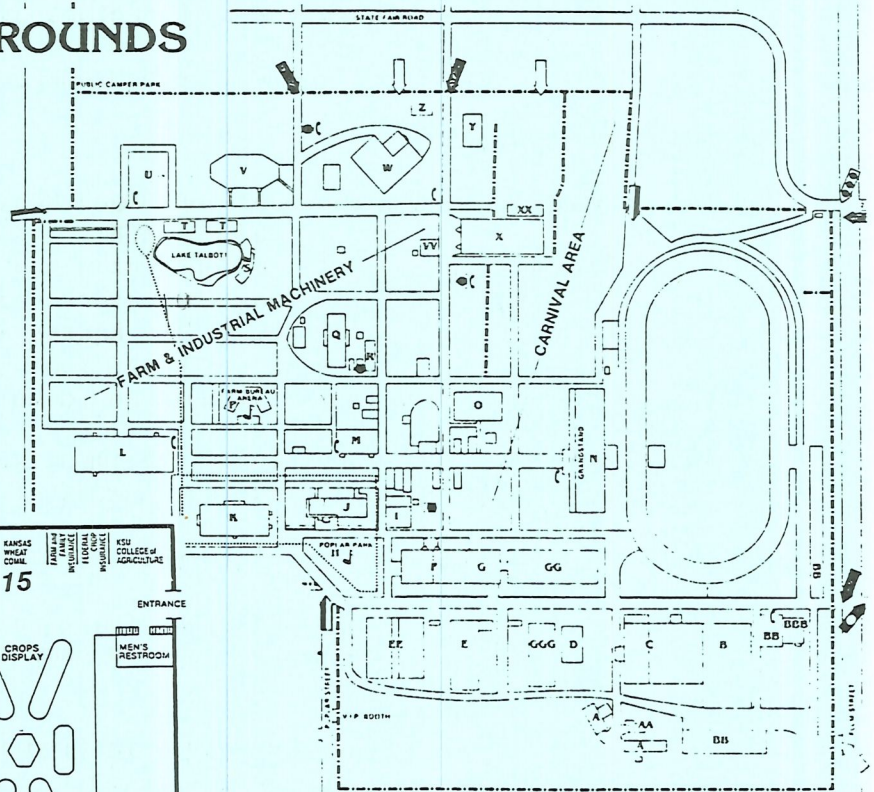
18. _____ is a very nutritious snack that is grown in Kansas and sometimes used as a Christmas ornament. Learn the answer at the **Kansas Treasures** exhibit. It's on the way as you return your completed activity sheet to the Kansas Foundation for Agriculture in the Classroom exhibit to receive your reward.



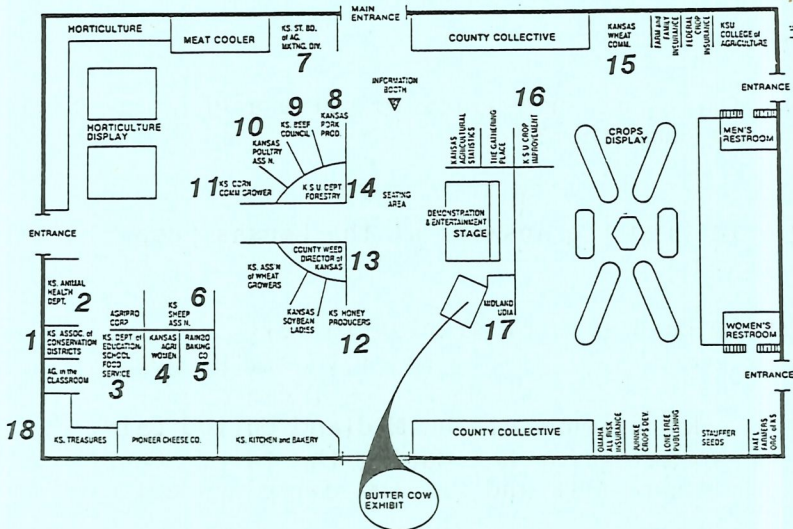
Don't miss seeing the various breeds of cattle, swine, sheep, horses, rabbits and poultry in the livestock barns on the south side of the fairgrounds. Walking through the machinery exhibits provides an interesting view of the equipment used by Kansas farmers in their business of producing food and fiber.



Guide TO THE FAIRGROUNDS



K - PRIDE OF KANSAS BUILDING



BUILDINGS B - G ARE LIVESTOCK BARN

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SENATE RESOLUTION NO. _____

By Committee on Agriculture

A RESOLUTION urging the Secretary of Transportation of the United States, James H. Burnley IV, to withdraw the proposed rule concerning reclassification of anhydrous ammonia.

WHEREAS, Anhydrous ammonia is an efficient, effective, economical source of nitrogen fertilizer; and

WHEREAS, Anhydrous ammonia is currently classified as a nonflammable gas; and

WHEREAS, The United Nations, yielding to pressure from countries whose farmers are in direct competition with U.S. farmers, has recommended that anhydrous ammonia be reclassified as a poisonous gas; and

WHEREAS, This recommendation, if adopted by the United States, would significantly increase food costs to consumers and impose serious additional economic hardship on farmers in Kansas and throughout the United States; and

WHEREAS, Transporting anhydrous ammonia would be seriously threatened, effectively curtailed and prohibitively expensive because of sky-rocketing insurance costs for the few who would transport anhydrous ammonia if it is reclassified; and

WHEREAS, The recommendation is totally insensitive to economic conditions under which U.S. farmers are operating, and represents an unwarranted intrusion into the free flow of commerce: Now, therefore,

Be it resolved by the Senate of the State of Kansas: That we urge the Secretary of Transportation, James H. Burnley IV, to immediately withdraw the proposed rule which seeks to change the classification of anhydrous ammonia from "nonflammable" to "poisonous"; and

Be it further resolved: That the Secretary of the Senate be

attachment 5
3-23-88

directed to send enrolled copies of this resolution to Secretary James H. Burnley IV, Secretary of Transportation, 400 Seventh Street S.W., Washington, D.C. 20590, and to each member of the Kansas congressional delegation.