

MINNESOTA EXTENSION SERVICE NEWS

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No. 1

Secretary Wallace Defines Agricultural Extension Work

Henry C. Wallace, secretary of agriculture, has issued a statement concerning the relation of cooperative extension employees to agricultural organizations. While the statement does not contain anything essentially different from the general policy which has long obtained relative to the work of such employees, it will prove of value in making a little more clear to employees as well as others the legal background of the movement from a national standpoint. The statement also contains pertinent reference to the relation of the extension service to local farm bureaus or like organizations in citing federal legislation which virtually requires such organizations to handle properly the financing of the movement. The statement is reproduced in full herewith:

Work Is Educational

The act of congress approved May 8, 1914, and supplemental acts thereto, established cooperative agricultural extension work between the Federal Department of Agriculture and state agricultural colleges. Section 2 of that act defines the work as follows:

Sec. 2. That cooperative agricultural extension work shall consist of the giving of instruction and practical demonstrations in agriculture and home economics to persons not attending or resident in said colleges in the several communities, and imparting to such persons information on said subjects through field demonstrations, publications, and otherwise; and this work shall be carried on in such manner as may be mutually agreed upon by the secretary of agriculture and the state agricultural college or colleges receiving the benefits of this act.

It is thus made clear that the work of the cooperative extension employees, whether county agents, home demonstration agents, boys' and girls' club agents, or other cooperative extension workers, is educational. These extension workers are public teachers paid with money largely raised from all of the people by taxation and are charged with giving instruction and practical demonstrations in agriculture and home economics. Their work covers the entire rural field, which includes economic production, economic marketing, and the development of better home, community and social conditions.

As they are public teachers it is not a part of the official duties of extension agents to perform for individual farmers or for organizations the actual operations of production, marketing, or the various activities necessary to the proper conduct of business or social organizations. They may not properly act as organizers for farmers' associations; conduct membership campaigns; solicit membership; edit organization publications; manage cooperative business enterprises; engage in commercial activities; act as financial or business agents, nor take part in any of the work of farmers' organizations, or of an individual farmer, which is outside of their duties as defined by the law and

by the approved projects governing their work. They are expected, however, to make available to organizations such information as will be helpful to them and contribute to the success of their work.

Coöperation With Organizations Proper

The various federal laws provide that cooperative extension work shall be conducted in such manner as shall be mutually agreed upon by the secretary of agriculture and the state agricultural colleges. By an agreement between these agencies an extension director located in each state is the representative of both the college and the department. He submits projects for extension work to the secretary for approval.

In carrying out these projects the law provides that no federal Smith-Lever money, except \$10,000 per state, shall be

organized groups of rural people. It is entirely proper for any agricultural organization desiring to cooperate financially in the work of the extension agents to contribute funds for the support of such work, and these funds may be accepted legally by the extension service of the agricultural colleges and by the federal government for work on approved projects.

Must Have No Favorites

In short, it is the business of the extension agent to cooperate with all agricultural organizations which desire to cooperate on approved projects. If more than one organization exists in a county he must cooperate with all fairly and impartially in the educational work in which they are mutually interested.

The department of agriculture must necessarily consider in its administration of federal cooperative extension funds the laws which have been passed by the various state legislatures in accepting these funds and under which agreements have been made with those states for conducting this work. If special provisions relating to the methods of cooperation with agricultural organizations or other agencies are contained in the state laws, which do not conflict with the federal laws, it is clearly the duty of the secretary of agriculture to accept such provisions in a cooperative project.

DATES OF EXTENSION CONFERENCE CHANGED TO NOVEMBER 13 AND 14

The annual conference of agricultural extension workers will be held at University Farm Monday and Tuesday, Nov. 13 and 14, instead of Nov. 20 and 21, as originally scheduled and announced. This change has been ordered for the reason that the Association of Land Grant Colleges will be in session at Washington, D. C., Nov. 21 to 23. Every extension worker in Minnesota is expected to attend the conference at University Farm.

paid to the states for cooperative extension work until—

* * * an equal sum has been appropriated for that year by the legislature of such state, or provided by state, county, college, local authority, or individual contributions from within the state, for the maintenance of the cooperative agricultural extension work provided for in this act.

Under a later act provision was made that—

* * * moneys contributed from such outside sources * * * shall be paid only through the secretary of agriculture or through state, county or municipal agencies, or local farm bureaus or like organizations, cooperating for the purpose with the secretary of agriculture.

This makes it very clear that the law contemplates cooperation with farmers' organizations willing to cooperate in the work with which the cooperative extension agent is charged. It is the duty of the extension agents to render such assistance whenever possible in his teaching capacity to any agricultural organizations desiring it. Furthermore, the work of these extension agents can be the most effective where it is carried on with or-

LIVESTOCK SHOW FOR JUNIORS NOV. 15 TO 17

Nearly 2,200 club boys and girls of Minnesota are feeding and growing livestock for the fifth annual Junior Livestock show, which will be held at South St. Paul, November 15, 16 and 17. There will be three classes of baby beef—one for grade junior yearlings, another for calves, and the third for purebred steers—and competition will be spirited in each. Either grades or purebreds can be entered in the market hog contest and also in the competition for ewe and wether lambs. Particulars concerning the show will be given in the November number of Extension Service News.

BENTON AND OLMSTED MAKE APPROPRIATIONS

Benton county, after being without a county agent the last year, has taken steps to renew the work. Commissioners of Benton county, in special session Sept. 12, voted an appropriation of \$1,000 in support of the work, available when the county farm bureau has 300 paid-up members. The board of county commissioners in Olmsted county recently made an appropriation of \$1,500.

PECK CITES NEEDS IN STATE FAIR ADDRESS

Increased Credit, Crop Insurance, Lower Railroad Rates and Fair Taxation Are Due the Farmers, He Says

In an address to farmers on Farm Bureau Day at the state fair, Director F. W. Peck of the agricultural extension service said the records show that the extension forces have made more than four million "service contacts" with the people of the state the last five years.

"An even greater result," he said, "is the effect on the attitude of the mind of the rural folks, the stimulus for self improvement, and the building of character and moral force into the fiber of our people. These are the more permanent results of education in the art of living and the science of making a living.

Days of Stress for Farmers

"The present is decidedly a period of economic stress for the farmer," Mr. Peck said. "The making of sufficient income to cover expense alone, to say nothing of profits, is indeed a problem. When we are faced with a shrinkage in the total value of agricultural products in this country of 45 per cent since 1919, the best year agriculture ever saw, and when this value represented not more than \$800 a farm worker, it is a serious condition.

"The farm dollar is worth only 70 cents in exchange for other commodities and it may be less before it is more. Although agriculture is supposed to represent 40 per cent of the purchasing power and its products contribute more than 50 per cent of the raw material for all manufacturing, and though about 27 per cent of those gainfully employed in the United States are farm workers, they have received only about 18 to 20 per cent of the national income."

Needs of State Listed

Among the general needs of the state, according to Director Peck, are—

The more general awakening of farmers to the need of more education, co-operation and organization.

The development of local leadership with responsibility for definite tasks.

More business practice in conducting their own business and in their own organizations.

The long-time point of view with a realization that a steady, though slow, pace is better than a spectacular, spasmodic spurt and then later dropping behind.

More rural credits, crop insurance, lower transportation rates, equitable taxation.

Mr. Peck also cited the specific needs on which the program of the extension department is being planned. They are: More efficient production, more efficient marketing, and more efficient living.

Slackers Thrown Overboard

Splendid interest in extension demonstrations held for culling poultry for egg production is reported from Pipestone county. In 28 flocks culled on or before Sept. 1, 1,222 hens were rejected as being poor layers out of 3,774 under examination, or an average of 32.4 per cent culls.



FAIRIE MALLORY

Miss Mallory has come to Minnesota to take the position of clothing specialist with the home demonstration section at University Farm. She is a graduate of the University of Chicago. She has had several years' teaching experience and has been state clothing specialist at Illinois.

U. S. BUREAU TO MAKE CONVINCING DISPLAYS

That the coming National Dairy Exposition in the twin cities will far surpass the one held in 1921 seems to be the settled opinion of all the men and interests concerned in staging the big show. The federal government itself is planning to outdo its wonderful exhibits of last year. This from The Official Record of the United States Department of Agriculture gives an inkling of what may be expected at the 1922 exposition:

"From the feeding of the cow to the feeding of people on the products of the cow is the scope of an exhibit the department is preparing to put on at the National Dairy Exposition to be held at St. Paul, Minn., Oct. 7 to 14. The office of exhibits, the Bureau of Animal Industry, and the Bureau of Agricultural Economics are cooperating to make this the most inspiring presentation of facts and figures on breeding, feeding, marketing, manufacturing, and utilization that has ever been given to the public at a show or fair."

W. E. Skinner, general manager, reports an unprecedented number of entries. The sum of \$35,000 will be divided as prize money among breeders of dairy cattle. Awards in other departments will be on a corresponding scale. Exhibits are already being put in place.

Thinking More Of and About Poultry

One result of the poultry culling demonstrations this year, says the agent in Lyon county, is that more and more people of the county are beginning to realize that poultry on the farm can be made a paying proposition rather than just an ordinary sideline or nuisance.

MINNESOTA CANNERS WIN PLACE IN FINALS

Alberta Team Has a Chance for Free European Trip—Minnesota Juniors Carry Off Honors at La Crosse

Minnesota club boys and girls gave a good account of themselves in contests staged the week of Sept. 17-23 at the Inter-State fair at Sioux City and the Tri-State fair at La Crosse.

Iowa canners carried off first honors at Sioux City. Minnesota, represented by the Alberta canning team, was second. Both teams are eligible to participate in the nation-wide contest at the Chicago International Livestock show when a team will be selected for the free European trip. There were eight teams in the Sioux City competition.

The Minnesota livestock judging trio placed third at Sioux City. North Dakota was first and Iowa second. Ten teams competed. Edith Alexander, from Kittson county, was first of the entire group of about 30 youngsters in judging hogs.

Coe's Team Triumphs

The Kansas clothing team, which was trained by M. H. Coe, formerly the Blue Earth county, Minnesota, club leader, was first among home economics teams, and an Iowa poultry team won the championship of the crop and livestock section. In the try-off the Kansans proved their superiority and were awarded the grand championship. There were 12 home economics teams on the ground; the Alberta sewing team from Minnesota ranked seventh. Though handicapped by the loss of one of its members the Minnesota sheep team, from Kittson county, came in fourth.

The Minnesota juniors won a total of \$71 on their exhibits. They were placed first in three classes and second in four classes.

Twelve club booths, each exemplifying some leading line of club work, attracted general attention and will be brought to the National Dairy show in the twin cities. Minnesota's booth will illustrate breadmaking. The federal office of exhibits cooperated with the States Relations Service in preparing and installing the series of booths.

Results at La Crosse

Five demonstration teams from Minnesota and a like number from Wisconsin took part in the contests at the Tri-State fair at La Crosse. Three prizes were awarded. A canning team from Winona was first, a milk drinks team from Wisconsin second, and a Winona bread team third. Winona also sent a poultry team and Spring Grove and Preston canning teams.

The demonstrations were staged in a big tent and were a drawing card.

Increased Fall Planting Seen

The planting of increased acreages of winter wheat and rye is indicated in Nobles, Murray and other southern counties. Miesen of Nobles is urging farmers to give these crops a thorough trial. Winter wheat seed has been supplied several Murray county farmers, who will try out this crop. Min-turki winter wheat yielded 25 bushels an acre in Murray county this year.

ITASCA COUNTY FAIR BANS PAID FEATURES

Local Talent Given Every Incentive to Lead Off—New Plan Brings Best Sort of Results.

With the active support of the county farm bureau, the Itasca county fair this year was largely a home products affair and as such received the hearty approval of those who attended. In an effort to make the entire fair of the greatest value to the people, every department was studied so as to give local initiative the largest possible opportunity. Some of the results are given in the report of County Agent A. H. Frick, as follows:

The paid attractions were conspicuous by their absence. In their place there was a county baseball tournament between rural baseball teams; a horseshoe tournament participated in by enthusiastic horseshoe pitchers of both country and city; boys' and girls' club demonstration teams exhibited their different club activities; and there was a splendid display of agricultural products in every section of the competitive department.

Already Planning for Next Year

Seventeen calves were entered in the boys' and girls' dairy calf contest, whereas two calves had been the most ever entered before. There was a dairy judging contest to select the winning team of boys and girls for the trip to the State Fair. There was a children's hour held between 1 and 2 each day, during which capable instructors were in charge of the playground, providing recreation and amusement for the children while their parents visited other parts of the fair.

On the last day of the fair, an exhibitors' meeting was held for discussion and suggested improvements, and a statement of resolutions and suggestions was drawn up and presented to the fair management, looking toward the improvement of next year's show. In the open classes of competition, there was a particularly fine show due to the efforts which had been made to develop this department. The Guernsey class was particularly good with an outstanding show of well bred and well fitted animals on display.

All Hands Boost

A feature which was particularly appreciated was the interest which the county fair took in the various community fairs preceding the county fair itself. Five such community fairs were held and the ribbons for them were furnished by the county fair association. This was greatly appreciated, as the community fairs had but little money to provide ribbons or prizes. In return, each of these community fairs sent an excellent community booth for competition at the county fair.

The new plan of holding the fair was a decided success if the comments of the people are any measure. The feeling was general that the county fair was really a home production, and that the measures which had been taken by local people in making it a success had not only satisfied the public, but had given each participant a greater interest in his county fair than could have been obtained in any other way.

Rust Proof Oats Coming, Say "U" Plant Breeders



COUNTIES PLANNING EGG LAYING CONTEST

An egg laying contest in every county in Minnesota would furnish effective means for exposing the faults of scrub flocks and locating good flocks from which stock could be obtained, says Cora Cooke of the home demonstration section, University Farm.

For this type of contest coöperators are obtained who agree to keep daily records of their production for a period of one year. Monthly reports are made to the county agent, giving number of hens, number of eggs laid and average production per hen. Publicity is given each month to the highest records and special emphasis is placed on the records of those showing the highest average production for the year.

Such a contest would serve to place on file in the county agent's office the names of owners of high producing flocks of the various breeds, thus enabling the people of the county to obtain stock in their own vicinity.

Six counties have already signified their intention of carrying on such contests. These are Nicollet, Red Lake, Roseau, Waseca, Wilkin and Winona. In at least three of these counties it is planned to give prizes for the ten flocks showing the highest average production for the year. The contests will be under the direction of Miss Cooke.

550 Attend Unit Meeting

Farm bureau unit meetings in Watonwan county are largely attended and are helping to maintain a splendid interest all through the county. L. E. Hudson, county agent, says that 550 persons attended a unit meeting in Odin township. At the Butterfield unit meeting, local men and boys sprung a surprise by putting on a minstrel show full of pep and real stage business. Farm folks to the number of 425 attended. The Long Lake meeting was attended by 325 persons and the Rosendale meeting by 250.

Plant breeding specialists of the university have undertaken to develop rust-resistant, high-yielding midseason oats. This project, like most of those associated with plant breeding, entails an interminable amount of work and study.

The picture gives a view of a part of the oat nursery at University Farm this year. There were between 1,000 and 1,500 of these plots (two rows to the plot), each of which was planted from an individually selected plant. Each of these individual plots consists of two short rows, 25 plants to the row. As soon as a selection shows promise, that is, is uniform in type, time of heading, etc.—generally from the third to the fifth generation after the cross is made—all of the plants of an individual plot are then bulked together and placed in a rod row test, also carried on by the plant breeding section. The final test is in fortieth acre field plots carried on by the farm crops section at University Farm.

"The oats shown in the cut," says Dr. H. K. Hayes, who is in charge of the plant breeding section, "are known to have the rust resistance of the White Russian parent and the open panicle and general habit of midseason oats which was obtained from the Victory parent. With a large number of strains which are known to have the general characters desired, it seems very reasonable to suppose that some of these will have the yielding ability of Victory coupled with the rust-resistant quality of White Russian. It will be necessary to continue the yield test for a period of about four years before it will be known which of the strains excel in the characters desired."

New Appointment

Miss Janet Fowlds of Arco has been appointed home demonstration project leader for Lincoln county.

Miss Ryan Resigns

Miss Eunice Ryan, the state clothing specialist, is leaving Minnesota to take a similar position in Michigan. Miss Ryan has been in Minnesota a year and has done splendid work in developing the clothing project. We wish her as great a measure of success in her new position as she has achieved in Minnesota.

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OCTOBER, 1922

OUR FIRST BIRTHDAY

This issue of the Extension Service News marks the start of the second year of its publication. The past year has given us some very valuable lessons in extension publicity, and we trust the paper has been of some service to those who have been interested in reading it from month to month. It is always a matter of opinion perhaps as to what should and should not be included in such a medium of publicity, but we have attempted to print the kind of material that would keep the extension workers interested, in touch with the program in extension service, and to point out from time to time those ideas, practices, and expressions of opinion that would help in improving the kind of service being given.

We want to make the publication the coming year many times more valuable and serviceable to its readers. We feel that this places some responsibility upon its readers, and its editors will appreciate receiving material from county agents, extension specialists and others, that may be used for its improvement.

Starting with this first issue we are glad to say a word for diversified farming; not that it is a new word, but that it is always an opportune word. Plans for this year include a series of short articles dealing with the growing and utilization of more legumes on Minnesota farms. This is in reality a part of the diversified farm idea. The economic situation as it can be interpreted for practical use in connection with prices, costs, and probable tendencies will hold an important place in the paper. Activities of extension workers who have a message of value to the rest of us will continue to be stressed as in the past. We especially request the continued cooperation of readers and promise to do our best to make it continually more worth while as we go along.

DIVERSIFIED FARMING

Diversified farming is not a new subject. For 20 years the extension service of the University of Minnesota has worked on the problem and has largely built its programs of work around this factor of successful agriculture.

Unfortunately types of farming in

Minnesota are not definitely outlined in a geographic sense, and we find considerable overlapping of territory in various types of farming in our various sections. It is worth while noting, however, that 80 per cent of Minnesota farms maintain some cows of either the beef or the dairy breeds. This is one indication of diversity. The specific crops grown is not always the correct measure of the diversity of a farm business, and the common measure or indicator of the degree of diversity is the number of sources of

cate hope for good returns from hogs and corn, low returns for oats and hay, favorable returns for wool, rather low returns at present from poultry, just reasonable returns from dairy products and slightly better prospects from beef cattle, with potatoes and oats exceptionally low and unprofitable.

This factor of relative prices focuses particular attention upon the economic situation with which the farmer is confronted. The value per acre of products in 1919 was \$31, in 1920 a little more than \$17, last year about \$10, and probably this year about the same or in some cases slightly better. From a total valuation standpoint of all products in the United States there was a drop of 45 per cent from 1919 to 1921. This means that if we assume 100 as the relative index figure for the value of farm products in 1913, the index figure for 1919 was 206; for 1921, 106; and at the present time about 120.

When we consider the purchasing power of farm products it is still more discouraging because of the difference in the price levels between those articles the farmer must buy and the price he receives at the farm for his products.

We believe there are certain factors in the situation that will result in time in a more profitable industry. These briefly outlined may be considered under the heads of, first, more efficient, better balanced, lower cost production adjusted to probable demands; second, more efficient, lower cost distribution of farm products; third, more education, more cooperation, more organization of the forces that operate between farmers as producers and consumers in general; fourth, the development of a better community spirit with frank publicity and more widespread knowledge of the factors that affect production and prices of products in various lines of business.

VALUE OF HOME FAIRS

Though primitive and crude in instances, community and county fairs have often been of real value in teaching the farmer how to exhibit. Farmers have learned the importance of thorough preparation before the show and thus become better able to anticipate what will win. "By hard work for several seasons," says the Star-News of Elk River, "a local farmer has won the sweepstakes with the best showing of potatoes at the Minnesota State Fair. The winner, Eric Sparre of Burns, has done this by yearly exhibits at county fairs, each year improving until finally he has won over every exhibitor in the state. Perseverance brings success."

Colt Show at Lincoln's Fair

A colt show proved to be one of the most interesting features of the Lincoln county fair.

Bankers Indorse County Agent

Bankers of Swift county, holding their annual convention, adopted resolutions strongly indorsing the farm bureau movement and the achievements and record of W. E. Hargrave, the county agent. The bankers as a body went on record as favoring county appropriations for the maintenance of the office of county agent.

NATIONAL DAIRY SHOW

The management of the National Dairy show proposes to provide a heated building for the headquarters of extension workers for Minnesota and other states, with the idea of making available a comfortable room in which they may hold meetings, confer with one another, and consider as extension headquarters. We commend the management for their thoughtfulness in this connection and know that the forces will appreciate this courtesy.

The management further announces a plan to provide adequate parking space for automobiles by counties properly supervised and cared for, so that delegations coming in in groups may know they will be well taken care of.

Surely the exhibits being planned for the education of those concerned in efficient dairying and more profits in farming will prove most interesting and instructing. The new features this year, including the grade cow exhibit, the enlarged U. S. Department of Agriculture exhibit, and the "Healthland," or the consumption side of the industry, should prove strong drawing cards for the show.

The extension division is making an earnest attempt through the field agents and central office force to interest our progressive farmers, business men, and consumers to consider the show an opportunity and an investment rather than as a passing incident of little importance. We receive not only knowledge but inspiration, stimulus, and incentive to do better things by seeing and feeling the results of such practice.

Remember the dates, October 7 to 14.

income that results from the system of farming that is practiced.

From an economic standpoint, particularly in considering available markets, the diversity or the number of sources of income has been found to be a most important factor in farm profits. A study of prices of farm products shows in many instances that some products are relatively high while others are low. An excellent example last year was the relatively low price of corn and the higher price of hogs, the low price of oats and the higher price of potatoes, higher prices for dairy products and lower for beef cattle, higher poultry and low wool prices. This year prices indi-



MANKATO BREAD TEAM OF 1921 WINS NEW HONORS—DEMONSTRATES ON INVITATION BEFORE BOYS' AND GIRLS' CLUB INSTITUTE AT WINNIPEG

Director S. T. Newton of the agricultural extension service of Manitoba, Canada, invited the Mankato bread team, which won state and interstate championships last year, to be present at the boys' and girls' club institute in Winnipeg, Sept. 4 to 8. They were accompanied by Miss Julia O. Newton, the state home demonstration leader. The Iowa clothing team and the North Dakota potato team were also present. The three teams did not compete with Manitoba teams, but each gave several demonstrations before large adult audiences for the purpose of showing the value of team demonstration work.

Director Newton, in speaking of the teams, said: "The girls were really splendid and created a very favorable impression in regard to club work. They were ready at all times to give demonstrations when asked, and whenever it was known they would be giving a demonstration, they were sure of every seat being full. Another thing that pleased us very much was that they were not backward in getting acquainted with the Manitoba girls, and I can assure you that our girls appreciated their taking the lead, as in many cases the Manitoba girls had not had an opportunity of meeting girls from other places.

"The demonstrations put on by the three American teams served a double purpose: First, they afforded an opportunity for the Canadian club girls and their leaders to see the kind of work done by the best exponents of club work in the United States, and afforded them considerable encouragement to know that they were on the right track. Second, they served to demonstrate methods in team work that will be a very great help to us in having future teams trained in this province."

The Pilot Mound team in the foreground is from the province of Manitoba.

REDWOOD COUNTY TOUR IS REAL EYE OPENER

Business Men and Officials Study Junior Club Work at Close Range and Give Strong Indorsement

A convincing demonstration of the worth of boys' and girls' club work was recently put on in Redwood county by Max R. H. Treu, county agent. The demonstration took the form of a tour through various districts of the county with leading business and professional men and county and city officials as the guests of the day. At its close a leading banker said:

"I have seen today one of the biggest things in my life. I have seen the farmers of tomorrow in our county. Henceforth I am in favor of the work and will stand ready to finance the boys and girls. Come to my office and let's talk things over."

One of the county commissioners said: "This is real work. The money spent for the maintenance of the county agent is worth while. When you work with

our boys and girls you touch our heart-strings."

This from a Lambertton banker: "I did not have the slightest conception of this work. I never thought such wonderful things could be accomplished with our boys and girls. Let me assist you financially hereafter. It has been an instructive day."

A farmer, who had been urged to join the tour because of his previous hostile attitude toward extension work, said: "If this is a sample of the work that is being carried on by the county agent then I wish to say I am sorry for the unkind utterances that I have made. I am glad of what I have seen."

County Agent Treu sums up by saying: "A great battle has been won in Redwood county; the farm bureau has the business men convinced of its place in the sun."

A canning demonstration put on by the girls' canning team of Lincoln county attracted an attendance of 300 persons.

ALFALFA ACREAGE IN PIPESTONE SHOWS GAIN

The alfalfa growing area in Pipestone county has been increased the present season by about 150 acres, says A. E. Enerson, county agent. The bulk of the seed used was Grimm. "Alfalfa received a decided boost in Pipestone county during the hot dry season," he says, "after it stood up in wonderful shape and furnished three cuttings of hay and an excellent hog pasture when used for that purpose. It is becoming the practice to give the hogs a larger alfalfa pasture than they need and to cut it for hay once or twice to keep it down. In this way the alfalfa is not pastured too closely and a fresh crop starts up immediately after each cutting."

Various county agents report a few cases of hog cholera. In Lyon county the veterinarians have been doing excellent work by vaccination, says Louis Kelehan, county agent.

CLUB WORK AT STATE FAIR AN INSPIRATION

Juniors of Minnesota Reach New Heights in the Quality of Their Exhibits and Demonstrations

Eight hundred members of boys' and girls' clubs of the state, representing every county, took part in the program of exhibits and demonstrations put on at the State Fair by the agricultural extension service to show the object, organization and results of extension work with young folks. The program was the most pretentious yet attempted in the state. Those in charge of the work feel that the quality of exhibits and demonstrations was far superior to those of any previous year.

Moves Into Own Building

For the first time club work had an entire building of its own, fitted up especially for club activities. Four large demonstration platforms were kept in constant use during the week.

Among the demonstrators were 126 individual breadmakers, 6 cakemakers, and 32 canning, 8 garment, 8 bread, 4 cake, and 22 agricultural teams. Seventy-two boys and girls judged dairy cattle and 65 took part in the general livestock judging. Sixty-four dairy calves and 46 purebred pigs were exhibited by prize winners in the various counties where these lines of club work have been featured during the year.

The budget for club work in the premium list of 1922 aggregated more than \$16,000. The total cost of club work at the fair, including new buildings and cost of maintenance, totaled nearly \$20,000.

In the club building 36 clubs made an exhibit of one or more lines of work, and ten counties qualified for special prizes with three or more clubs exhibiting from the same county.

Something Doing in Six Departments

The work was carried out in six departments, as follows:

1. Club building, including general club exhibits, individual and team demonstrations.
2. Dairy calf club exhibit barn.
3. Pig club exhibit barn.
4. Regular club boys' camp on the fair grounds.
5. Girls' camp in girls' dormitory at University Farm.
6. Junior boys' club camp at boys' dormitory at University Farm.

In the club building 74 demonstration teams gave demonstrations from 9 a.m. to 5 p.m. daily in breadmaking, garment work, canning, cake baking, dairy work, poultry management and crops.

Ten counties showed results of club work in their counties through excellent club booths in charge of county agents and club leaders.

The individual garment exhibit was excellent, and the exhibit of canned products was by far the best yet shown at the fair, comprising more than 1200 jars.

Win in Open Classes, Too

The dairy calf club exhibit was one of the most interesting features of the livestock department. Sixty-four boys and girls were there with their calves representing the best from 32 counties. Many county agents, club leaders and agricultural teachers chaperoned their groups and helped materially by helping

the boys to learn as much as possible from the fair.

Some of the calves were of unusual quality. Lloyd Vermilyea of Dexter won first in the open class of 40, competing with the best breeders; Marcella Keefe of Eyota won second in open class and second in Minnesota class. Several Guernsey calves made splendid winnings in the open class.

In the pig club barn 46 unusually fine gilts were shown. The special point was the splendid improvement in quality. Very few pigs were too fat and down on their feet, as in previous years. Superintendent Gregg of the swine department offered special prizes for best decorated pens. The pig showing contest included the work of 35 boys and girls.

Juniors in Camp Feted

The regular boys' camp included 160 club boys 16 years and over who had the best record in their respective counties in 1921. These boys studied the fair in groups under competent leaders and visited twin city points of interest.

The girls' camp included all the club girls demonstrating at the fair. A regular program was carried out each day which, besides the work at the State Fair, included visits to twin city points of interest, a club program every evening, and a club picnic at Como Park.

The junior club boys' camp program was much the same as that for the girls.

Coöperation Did It

The outstanding fact which made the splendid showing of club work possible was the fine coöperation by county agents,

home demonstration agents, club leaders and agricultural teachers, together with a large number of voluntary leaders. Here are illustrations of what some of the last named group did to make for success:

Miss Mary Jacobson, a teacher from Koochiching county, spent her own time and money to bring her bread club girls to the fair.

Miss Aura Kingsley, teacher of Brice-lyn, did as much for her girls.

Mrs. Frank Clarey, president of the Woman's club of Nelson, came with her canning team on her own time and money.

Ruth Keller came with the group from Lamberton.

Carl Schlesselman, president of the Rochester Loan and Trust company, was here most of the week as leader of the local dairy calf club which made such a fine record. Many other similar instances might be cited.

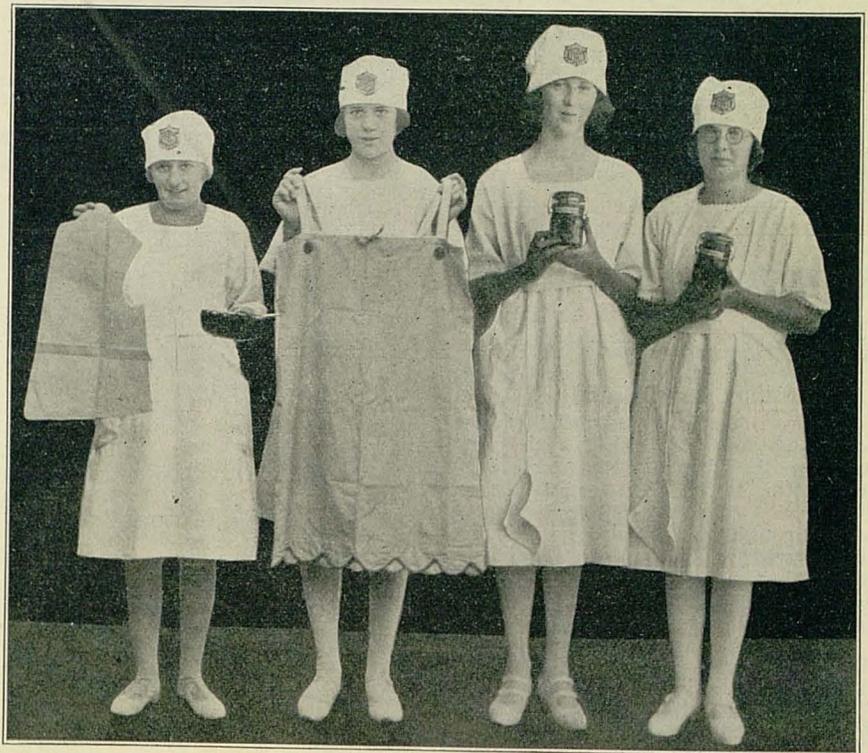
A great many county and city superintendents spent their time and efforts with their groups.

Summing up, T. A. Erickson, the state leader, says:

"We feel that one of the best effects of the work of the juniors was the impression it made on the public in regard to the magnitude and far reaching results of club activities."

The growing of soybeans with corn is becoming more and more the vogue in Nobles county, says A. R. Miesen, county agent. Several men raised soybeans for seed this year.

Alberta Club Teams Make Good at the State Fair



The consolidated school at Alberta, Stevens county, developed two first prize demonstration teams in the junior contests at the fair. One, which demonstrated the making of garments, also was first in the competition for selection of a home economics team to represent the state at the Sioux City Inter-State fair. The Alberta canning team was first in its class and also won a free trip to Sioux City. A cakemaking team from Alberta was awarded second place. From left to right the club girls in the picture are Mildred Gulbranson and Mabel Lee, garment makers, and Lucile Larson and Palma Norby, canners.

Junior Club Members Who Won Prizes at State Fair

Principal awards made in the various boys' and girls' club contests at the 1922 State Fair have been summarized in the office of T. A. Erickson, state leader, as follows:

Home Demonstration Team Winners

First, Alberta garment team, Stevens county, Mildred Gulbranson and Mabel Lee; trip to Sioux City.

Second, Buhl bread team, St. Louis county, Barbara O'Donnell, Tillie Wadd, Leslie Smith; trip to Eastern States Exposition.

Third, Alberta canning team, Stevens county, Palma Norby and Lucile Larson; trip to Sioux City.

Fourth, Coleraine cake team, Itasca county, Mary Murphy, Irene Lynn and Sigrid Martinson.

Individual Cake Champion

Florence Uvass, Lamberton, Redwood county, trip to Chicago International Livestock Show; Bernice Kirk, Bemidji, second; Aila Heikkila, Eveleth, third; Emma Koenig, Swanville, fourth.

Team Demonstrations in Cake

Coleraine club team, Itasca county, first; Alberta club team, Stevens county, second; Ulen club team, Clay county, third; Dexter club team, Mower county, fourth.

Team Demonstrations in Bread

Class A, Buhl team, St. Louis county, first; Ceylon club team, Martin county, second; Lancaster club team, Kittson county, third; Excelsior club team, Hennepin county, fourth.

Class B, Lamberton club team, Redwood county, first; Forsythe club team, Koochiching county, second; Eldred club team, Polk county, third; Wendell club team, Grant county, fourth.

Individual Bread Winners

Gladys Lawson, Wadena, state champion.
Class A—First, Gladys Kelly, Bloomington; second, Hazel Crofoot, Winona; third, Edna Lindberg, Rush City; fourth, Eunice Neierbachtel, Springfield; fifth, Blossom Van Dyken, Two Harbors; sixth, Harriet Dunton, Bagley; seventh, Owedra Tollefsrud, Pine River; eighth, Veronica O'Donnell, Buhl; ninth, Bertha Weise, Lakefield; tenth, Iva Jacobson, Belview.

Class B—First, Ruth Tarvestad, Hendrum; second, Clara King, Dentaybow; third, Eva Daniels, Monticello; fourth, Evelyn Roseth, Cotton; fifth, Ethel Brown, Graceville; sixth, Juliette Martin, Nymore; seventh, Lillian Breddie, Eldred; eighth, Andrea Peterson, Orleans; ninth, Anna Redlinger, Breckenridge; tenth, Louise Schroeder, East Lake.

Garment Making

Class A—Collection of three articles including one article with French hemming, one dress, record and story—First, Verna Blowers, Lansing; second, Stella Johnson, Coleraine; third, Ragnhilde Jacobson, Two Harbors; fourth, Mabel Larson, Two Harbors.

Class A—Chemise, princess slip or petticoat—First, Herma Bain, Swanville; second, Stella Johnson, Coleraine; third, Mabel Larson, Two Harbors; fourth, Lila Boeff, Dexter.

Class A—Drawers or bloomers—First, Myrtle Kahn, Swanville; second, Emma Koenig, Swanville; third, Helen Brown, Judson; fourth, Egatle Beukauski, Swanville.

Class A—Wash middy dress—First, Emma Koenig, Swanville; second, Margaret Sulheim, St. James; third, Thea Hunstad, St. James; fourth, Jessie Partridge, Owatonna.

Class A—Wash dress, type best adapted to tall, slender girl, or for short, stout girl.—First, Frances Nelson, Coleraine; second, Mildred Kukas, Coleraine; third, Mabel Mason, Redwood Falls; fourth, Andrea Peterson, Orleans.

Class B—Collection of five articles including patch and darn with record and story—First, Celia Wilcox, Two Harbors; second, Elsie Strom, Two Harbors; third, Olga Alland, Waseca; fourth, Marion Weybrach, Waldorf.

Class B—Apron—First, Lila Boeff, Dexter; second, Agnes Engen, Sacred Heart; third, Lola Johnson, Sacred Heart; fourth, Catherine Fink, Rose Creek.

Class B—Nightgown—First, Evelyn Westrill, Odin; second, Mabel Larson, Two Harbors; third, Anna Simondson, Two Harbors; fourth, Cyrilla Delaney, Lebanon.

Canning Contest

Demonstration	Name of Team	Exhibit
1st	Alberta Canning club.....	5th
2nd	Rose Creek Canning club.....	35th
3rd	Winona Canning club.....	1st
4th	Humboldt Canning club.....	34th
5th	Virginia Canning club.....	2nd

6th	Clearwater Canning club.....	4th
7th	Blooming Prairie Canning club....	33rd
8th	Mankato Canning club.....	3rd
9th	St. James Canning club.....	32nd
10th	Petersburg Canning club.....	11th
11th	Lake Crystal Canning club.....	7th
12th	Preston Canning club.....	30th

County Club Exhibits

Kittson, first; Blue Earth, second; Itasca, third; Mower, fourth; Winona, fifth; Steele, sixth.

Individual Clubs

Coleraine Garden club, first; Glue club, second; Judson, third; Mankato, fourth; Lake Crystal, fifth; Dexter, sixth.

Corn Project

Northern Zone—Dora Steen, Lancaster; Peter Olson, Thief River Falls.

North Central—G. Mielke, Richville; Geo. Karkowski, Brandon.

South Central—L. Rauson, Annandale; R. Palmer, Excelsior.

Southern—T. Haskins, North Redwood; H. Hermanson, Faribault.

Championship—T. Haskins, North Redwood.

Sweepstakes (white)—Marvel Schultz, Sleepy Eye.

Sweepstakes (any other)—Gunsten Olson, Fisher.

Sweepstakes (yellow)—T. Haskins, North Redwood.

Best 30 ears (yellow)—D. Hermanson, Boyd.

Best 30 ears (white)—H. Strandberg, Alexandria.

Pig Club

Name and address	Score	Breed
Helen R. Smisek, Lonsdale, grand champion.....	94.5	Poland
Martha Lamberton, Kasota.....	93.2	Duroc
Lawrence Vaux, Owatonna.....		
Knuth Johnston, Foreston.....	89.9	Duroc
Eunice Wagner, Raymond.....	89.8	Duroc
Clement Chase, Farmington.....	89.7	Duroc
Herman Schmidke, Wheaton.....	89.4	Duroc
Lawrence Anderson, Nelson.....	89.2	Duroc
Laura Goodman, Bemidji.....	88.0	Duroc
Vernon C. Sommers, Lake Benton.....	92.2	Poland
Dorothy Leeman, Winnebago.....	92.1	Poland
Leo Conzemius, Hastings.....	90.6	Poland
Fred Lippmann, Gibbon.....	90.1	Poland
La May Olson, Hoffman.....	87.7	Poland
Melvin Baker, Kerkhoven.....	87.5	Poland
Clifford Mayhood, Eyota.....	92.2	Chester
Elna Connor, Dawson.....	91.8	Chester
Carol Moorhead, Crookston.....	90.1	Chester
Grace Luchsinger, Lake Elmo.....	89.1	Chester
Wayne E. Silcox, Dunnell.....	85.9	Chester
Herman Keil, Springfield.....	82.9	Chester
Clayton Anderson, Lowry.....	84.5	Hampshire
Everett Michels, Pipestone.....	78.2	Hampshire

Pig Showing Contest—First, Clement Chase, Farmington; second, Helen Smisek, Lonsdale; third, Carol Moorhead, Crookston.

Decorated Pens—Leonard Anderson, Rose Creek, trip to 1923 State Fair.

Dairy Calves

Breed champions—Grand champion, Lillian Katzung, Alden, Guernsey calf.

Holstein, Marcella Keefe, Eyota.
Jersey, Stanley Hilliers, Brownsdale.

Holsteins, purebred yearlings (in order given)—Lloyd Vermilyea, Dexter; Milton Truwe, Amboy; Marvin Sorenson, St. James; Willebauld Pontius, Long Prairie; Marvin Stanton, Rush City; John Kauth, Loretta.

Holsteins, grade yearlings—L. E. Peterson, Beardsley.

Holsteins, purebred calf (in order given)—Marcella Keefe, Eyota; George Round, West Concord; Erwin Hoveen, St. James; Violet Nesbitt, Hopkins; Percy Engle, Stewartville; Lillian Rose, Dundas.

Holstein, grade calf (in order given)—Anna Larson, Bertrum; Edwin Erickson, Foreston; Garrett Dousma, Princeton; Clarence Christianson, Kerkhoven.

Guernsey yearlings, purebred (in order given)—Richard Roberts, New Ulm; Herbert Hageman, Hastings; Pearl Conklin, Thief River Falls; Chas. Sumpter, Anoka; Elmer Haase, Mora; Myrtle Bemis, Long Prairie.

Guernsey yearlings, grades—Murton Pennie, Villard.

Guernsey calves, purebred (in order given)—Anna Olson, Carver; Hazel Sheldon, Waseca; Warren Nettleton, Lewiston; Herman Welch, Barnum; Lisle Patchin, Anoka.

Guernsey Calves, grade (in order given)—Lillian Katzung, Alden; Florence Dennistown, Redwood Falls; Fred Welch, Barnum; Elmer Fossen, Aitkin; Wm. Leaf, Gilbert.

Jersey, 2 year old purebred—Sadie Krueger, Paynesville.

Jersey yearling, purebred—Stanley Hillier, Brownsdale; Myron Burnham, Minneapolis.

Jersey calves, purebred—Fred Bronniche, Mora; Vernon Allen, Triumph; George Frost, Hastings.

Jersey calves, grade—Edwin Knight, Montevideo; Edward Michaelson, Hartland; Edward Aiton, Grand Rapids; Ingolf Erickson, Carver.

Ayrshire calves, purebred—Lester Rombough, Villard; John Chambers, Owatonna.

Brown Swiss, 2 year old purebred—George Minette, Sauk Center.

Special Sheep Judging Contest—First, Edith Alexander, St. Vincent; second, Clement Chase, Farmington; third, Stephen Easter, St. Vincent.

General Livestock Judging Teams—First, Winona, Aldred Steuernagel, Utica; Neil Selvig, Lewiston; trip to International Livestock show.

Second, Dakota, Paul L. Miller, Randolph; Martin Coizemius, Hastings.

Third, Steele, Valdimore S. Kasper, Medford; Norbert Vesely, Owatonna.

Dairy Livestock Judging—First, Pine, Raymond Larson, Hinckley; second, Marshall, Arthur Wiegert, Warren; third, Freeborn, Alton Anderson, Albert Lea; trip to National Dairy show.

Stock Judging Team to Sioux City—Steele county, Floyd Eskra, Owatonna; Kittson county, Edith Alexander, St. Vincent; Kittson county, Ernest Clinton, St. Vincent.

Jersey yearling, purebred—Stanley Hillier, Brownsdale; Myron Burnham, Minneapolis.

Jersey calves, purebred—Fred Bronniche, Mora; Vernon Allen, Triumph; George Frost, Hastings.

Jersey calves, grade—Edwin Knight, Montevideo; Edward Michaelson, Hartland; Edward Aiton, Grand Rapids; Ingolf Erickson, Carver.

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WILSON BELIEVES IN 'FARM FRESHMAN SQUAD'

Building from the foundation, or the "freshman squad," as he calls it, is a fad with L. V. Wilson, who makes the point that the great football and baseball teams of past and present have been built up from such squads, often dating back several years.

"Connie Mack's Athletics of 1910-14 started working together in 1906 as the freshman squad does in college," says Mr. Wilson. "In other words, they grew from a foundation. Now how about the freshman squad on the farms? I refer to the boys and girls from 10 to 18 who are already or can be interested in club work. I have never been so impressed with the great possibilities here as during a recent club visiting tour to Rochester, Redwood Falls and other points.

"In Redwood county we visited the Campbell farm, where four boys, ranging from 16 years down, are interested in some livestock project. Two purebred dairy calves, a sow and litter, a purebred gilt, a fat barrow and two lots of chicks were enrolled by the four splendid lads on this farm.

"After giving instruction as time permitted as to the feeding and care of the calves and pigs, County Agent Max Treu and I had to leave for other appointments. The youngest boy kept us company to the roadside, firing one question after another at us as to what is good for chicks and increased egg production.

"Somewhere among these club boys are the future Devines, Lockes and Southworths of agriculture."

Little Visits to Cattle Farms Popular

Sunday afternoon trips to purebred cattle farms are proving successful and popular in Stearns county, according to P. W. Huntmer, county agent.

FARM FOOD PRODUCTS EXHIBIT ASTONISHES

All the Substantials, and Dainties and Delicacies in Large Numbers, Produced on the Old Home Place

An interesting and significant exhibit in the Woman's building at the Minnesota State Fair was that of the farm food products.

Four farm women of the state had displays of their work in the booth assigned to this exhibit, which was in charge of Mrs. R. H. Fairfield of Wayzata. The first prize of \$80 was won by Miss Clara P. Wickstrom of Anoka county; second, \$65, by Mrs. L. J. Breyen, also of Anoka county and a neighbor of Miss Wickstrom; third, \$50, by Mrs. Mary Jerbek of Eden Prairie, and fourth, \$35, by Mrs. Charles Krause of Como station. The state fair board offers ten prizes in this department, and six women cheated themselves of generous remuneration by not exhibiting.

This feature of the fair was founded by the Northwest Farmstead, which offered the prizes for two years. The fair managers were quick to see the educational value of such a competition and for the last three years have included it in their premium list.

All Produced at Home

The object of the exhibit is to show the foods which can be produced on the Minnesota farm and prepared in the farm home for the use of the family by some member of the family. The rules governing the competition say that all products must be grown on the farm home and prepared by some member of the family, or, in the case of wild fruit, game or fish, must be secured by some member of the family and prepared in the home. Nothing is accepted which is not prepared for winter use. For instance, tomatoes, berries and such like fruit and vegetables must be canned in some way or dried; but beets, carrots, etc., may be sent in sand boxes, or in any way which will preserve them during the winter.

The exhibits are scored by experts, upon the number of classes entered, the number of entries in each class, the utility of the product and its general appearance and color, and the uniformity of containers and labeling.

Miss Wickstrom had 305 articles in her display. Mrs. Breyen had the almost unbelievable number of 369, but the judges scored Miss Wickstrom's products a trifle higher upon appearance.

The exhibits included almost every kind of vegetable and fruit raised north of the torrid zone—dried, canned, pickled, preserved and in dry sand; a full line of meats and fish native to our streams, canned, smoked, fried and pickled; dried herbs of all descriptions, and a really remarkable line of canned fruit, jellies, jams, butters and conserves.

Full Lines of Goodies

There were home-made sugars and syrups from beets, maple, boxelder, carrots and rhubarb; fruit juices and fruit syrups; sorghum, honey, popcorn, peanuts, walnuts, butternuts, hickorynuts. Candies had been made from these various sugars and syrups, sorghum and nuts; even crackerjack

was displayed, and candied pumpkin, strawberries and other candied fruits.

The display included substitute coffees, breakfast foods; meals and flours; butter, lard, and substitutes for both; cheeses, cottage cheese, pimento cheese and other varieties; eggs prepared in three different ways for winter keeping, and also pickled for serving; as a by-product, bees-wax, soap, both hard and soft, candles and cedar candles for Christmas use. Melons in great variety, citrons, pumpkins and squashes were shown.

The exhibits clearly demonstrated that the Minnesota farmer is absolutely independent so far as the food question is concerned. With the liberal premiums offered this farm food exhibit should have at least a dozen individual contestants, instead of but four.

NUTRITION PROJECTS ARE GETTING RESULTS

Reports furnished by the home demonstrators in nutrition in Nobles, Lake, Pipestone, and Watonwan counties are exceedingly interesting. Of the 156 women who enrolled for the course, 89 completed a project and reported.

One of the demonstrators reported that she has lowered the high cost of living; from two of the counties come reports of better natured children; a number report they are using less sweets than hitherto and yet have satisfied and healthy families. Several are delighted because their children have learned to drink milk and to enjoy it, and the children, too, write of their pleasure in this achievement.

Seventy report an increased use of vegetables, 20 that they have canned more vegetables than in former years, and seven that they planted more vegetables in their gardens.

Twenty-seven have used more fruit while 33 increased their use of milk.

From the health standpoint these women are glad they enrolled in the nutrition project for 28 have overcome constipation either themselves or in their families, and 29 report an improvement in general health.

Five women proudly relate that they have gained weight and thirteen report that the wheels of meal planning have been oiled.

The nutrition specialist of the extension division, Miss Cordiner, was assisted in completing the discussions by Miss Edna Anderson of the resident home economics staff.

GIRL RIDES A WHEEL TEN MILES TO STUDY DEMONSTRATION WORK

Not only the mothers but their daughters also are eager to avail themselves of the work given by home demonstration agents. At Deer River a 14 year old girl has represented her mother at two meetings of the clothing group which is being conducted by Miss Clover Sabin, joint home demonstration agent. The girl rides ten miles on a bicycle to get to the meetings. She takes a keen and active interest in the work given.

DOORS THROWN OPEN TO JUNIOR CLUB WORK

The National Dairy Exposition, to be held Oct. 7 to 14 on the Minnesota fair grounds, is giving boys' and girls' club work a place in the limelight that it has not had heretofore at the big dairy show. The executive committee has appropriated \$3,500 for prizes and expenses of the juniors, and the dairy cattle associations are offering liberal prizes.

Club work at the exposition will embrace a dairy cattle judging contest, a dairy calf exhibit, dairy demonstrations and poultry demonstration work. Twelve states, including Minnesota, have entered teams in the judging contest. Dairy calves exhibited must be owned by boys and girls who are members of calf clubs and must be shown by the owner or by a calf club member from the owner's state. Cash prizes and special premiums will be awarded.

Twelve states have given notice of intention to send dairy demonstration teams to the exposition. The demonstrations will provide a continuous program in the club department the entire week of the show.

Junior poultry club members will have their department in the National Poultry Exposition. The club demonstrations will be in charge of T. A. Erickson, state leader.

WHEAT AND FLAX NEW KIND OF SUCCOTASH

Goodhue county farmers find that wheat and flax sown together make an easier handling bundle for both binder and shocker. Easier threshing and yields fully as large as when sown separately are further advantages claimed by farmers who have been following the practice for 15 years, according to V. H. Kingsbury, county agent. Two groups of farmers have perfected home-made machines which are proving excellent separators of the mixture when separation is desired for market purposes. Flax seed industries are said to favor the practice and to be encouraging it in other sections.

Mrs. Beard New Agent

Mrs. Lillian P. Beard has been appointed urban home demonstration agent for Minneapolis. Mrs. Beard is a graduate of the North Dakota Agricultural College. She has had several years of experience teaching in both high school and North Dakota College of Agriculture. While her husband served in France, she was a home demonstration agent in North Dakota.

Wilson in Demand as Judge

L. V. Wilson has accepted an invitation to judge Holsteins, Guernseys, Jerseys, Ayrshires, milking Shorthorns and dairy calf club entries, while on his vacation, at the California National Livestock show to be held at San Francisco October 14 to 22.

New Association in Sight

A new cow testing association seems assured for Watonwan county. Fifteen farmers had agreed to join when County Agent Hudson made his report for August.