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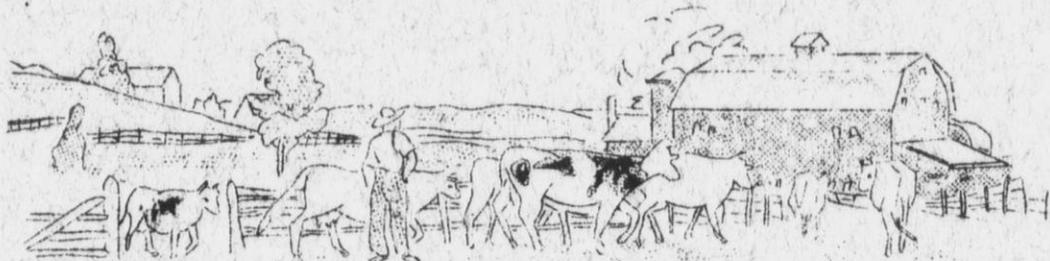
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1940
ANNUAL REPORT

WAUSHARA COUNTY AGRICULTURAL AGENT



A good productive farm is the result of careful
planning and the application of proven practices.

AGRICULTURAL COMMITTEE

A. C. Munding, Chairman
Fred R. Weymouth
W. L. Wilson

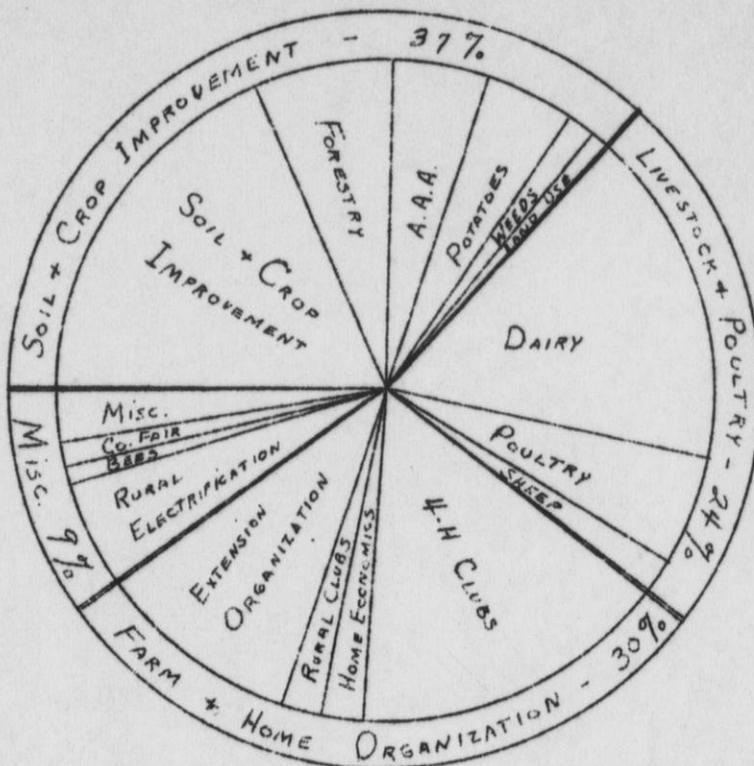
E. S. Hamilton
Arthur Dietz
A. R. Albert, Advisor

H. W. KAUFERBECKER
COUNTY AGRICULTURAL AGENT

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Distribution of Time
on Extension Programs



Statistics of Interest

167 meetings were held
9308 attendance at these meetings
79 different circular letters mailed to
17310 people
2888 personal letters mailed
221 news articles were prepared and published
4175 office calls
2615 telephone calls
449 farm and home visits
103 days in office
195 days in the field
16932 miles driven

FARM AND HOME ORGANIZATIONS

4-H Clubs

The 4-H Club organization reached into every township in Waushara County for its membership this past year. There were 30 clubs with a total enrollment of 375 members. The following table shows the number and kinds of projects carried:

Foods and Nutrition-----	96	Dairy-----	157
Sewing-----	106	Pig-----	25
Canning-----	40	Colt-----	22
Home Improvement-----	3	Beef-----	4
Garden-----	75	Sheep-----	17
Junior Leadership-----	17	Poultry-----	47
Potatoes-----	27	Corn-----	12
Forestry-----	18	Grain-----	8
Handicraft-----	39	Farm Records-----	4
Home Grounds Beautification-	3		

County-wide activities were again arranged to encourage more club activity and make 4-H work interesting to the members.

A three day 4-H camp was held at Wild Rose. Here instructions were given in all the regular projects. The demonstration contests and the selection of the county dairy queen were likewise held at this time. Approximately ninety club members found time to take part in the camp activities. More members would have undoubtedly attended if weather conditions had been more ideal previous to the opening of the camp. The haying season was delayed which kept many farm boys away. Those, however, who attended enjoyed it and expressed a desire to see it continue. Three specialists from the extension staff of the 4-H Club Department assisted with camp instruction.

A dairy cattle judging contest was held for the boys. The two boys rating highest were entered in the state contest at Milwaukee, and one of them placed 12th out of 102 boys competing, the other 50th.

The girls demonstration team won the district contest held at Fond du Lac and then competed at Milwaukee for state honors placing third among the six best teams in the state.

There were also entries in the state dairy queen contest and in the state health contest.

The County Fair usually stimulates a lot of activity among club members. A few of the 4-H fair departments had their greatest number of exhibits this year.

The number of entries in each department is as follows:

Calf-----	152	Poultry-----	102
Colt-----	19	Crops-----	275
Swine-----	27	Handicraft-----	33
Sheep-----	29	Clothing-----	263
	Foods and Nutrition---		321

The following is a list of the 4-H Club leaders and clubs in Waushara County this past year.

Aurora Girls - - - - -	-Mrs. Harry Rodencal
Aurora Boys- - - - -	-Wid Fralish
Coloma Girls - - - - -	-Mrs. Walter Klusmeyer
Coloma Boys- - - - -	Walter Klusmeyer
DaMar Girls- - - - -	- Belva Wilcox
DaMar Boys - - - - -	- Belva Wilcox
Elmer's Everyday Hustlers, Girls - - - - -	- Elmer Greenman
Elmer's Everyday Hustlers, Girls - - - - -	- Elmer Greenman
Hancock American Legion Forward Girls- - - - -	-Mrs. J. E. Parkin
Hancock American Legion Forward Boys - - - - -	-Stanley Flyte
Lakota Girls - - - - -	-Mrs. F. C. Frater
Lakota Boys- - - - -	- Earl Towne
Marion Girls - - - - -	- Mrs. J. Kotlowski
Marion Boys- - - - -	-Henry Kropp
Mt. Morris Pioneer Girls - - - - -	-Mrs. R. O. Williams
Mt. Morris Pioneer Boys- - - - -	- Griff Williams
Oasis W.S.L. Girls - - - - -	- Mrs. Ray Eager
Oasis W.S.L. Boys- - - - -	-Alvin Olson
Plainfield Girls - - - - -	- Mrs. Hazel Osterhaus
Plainfield Boys- - - - -	- Lloyd M. Lea
Poy Sippi Busy Bees Girls- - - - -	- Mrs. George Vergin
Poy Sippi Busy Bees Boys - - - - -	-Norman Lindekugel
Rose Girls - - - - -	-Jane Davies
Rose Boys- - - - -	- J. O. Williams
Tamarack Girls - - - - -	-Mrs. Chet Wandrey
Tamarack Boys- - - - -	-Elmer Wandrey
Warren's Future Citizens, Girls- - - - -	-Mrs. Cliff Finnerty
Warren's Future Citizens, Boys - - - - -	- Halsey Paulsen
Wautoma Girls- - - - -	- Helen Stratton
Wautoma Boys - - - - -	-Marvin Bartel

Two club leaders will be honored this year for ten years of service devoted to their club and community. These two leaders are Elmer Greenman of Elmer's Everyday Hustlers Club, and Mrs. George Vergin of the Poy Sippi Busy Bees.

The number of 4-H members completing their work successfully thereby becoming achievement members will average 80% of those enrolled in club work.

Homemakers Clubs

The women and girls who so largely influence the living in farm homes are endeavoring to develop efficiency in their homemakers duties and to find satisfaction for themselves and their families. The Homemakers clubs, of which there are twenty-one in the county, provide a means by which they can satisfy some of their desires. The following is the goal of the homemakers: "In Waushara County we want to brighten our homes as inexpensively as possible during the coming year in order that they will be more healthful and happier homes for our families".

The program of work for 1939-1940 was:

- Color and Color Schemes for the Home
- Braided Rugs
- Bedding and Bedroom Accessories
- Construction and Remodeling of curtains

Two leaders from each group attend the leaders training meetings. Four meetings are held at Wautoma and four at Hancock. Miss Helen Pearson, of the Home Economics Department Madison, was their leader.

The clubs listed below were members of the county group:

<u>Name of Club</u>	<u>Leaders</u>	<u>No. in Club</u>
Badger	Mrs. R. E. Gustin	26
Marion	Mrs. Otto Duwe	13
Wautoma	Mrs. James Dunnett	12
Spring-Rose	Mrs. Ed. A. Somers	23
Harmony	Mrs. Myron Pierce	20
Oakdale	Mrs. I. C. VanAirdale	15
Friendly Neighbors	Mrs. John Thompson	17
Richford	Mrs. Clara Berg	18
Happy Hours	Mrs. Fred Sawallish	19
Springlake F.C.	Mrs. Ed. Luhm	14
Pine River	Mrs. John Weid	13
Wautoma Auxiliary	Mrs. Attie Johnson	38
Poy Sippi	Mrs. Floyd Davis	17
Help One Another	Mrs. J. Mumbrue	20
West Hancock	Mrs. Chas. Rous	18
Hancock	Mrs. A. R. Albert	12
Four Corners	Mrs. Elmer Parkinson	10
Oasis	Mrs. Glen Detlor	16
Coloma	Mrs. Darwin Follett	30
West Plainfield	Mrs. Clifford Abbott	20
Woodville	Mrs. Gilbert Janke	10
		<u>381</u>

Rural Clubs

The community clubs provide their local people with programs of an educational, social and recreational nature.

Early this fall a meeting was held for the leaders of the clubs in the county on building programs. The leaders felt that drama, music, and public discussion would serve as a basis for planning their work. They also voted in favor of having a training school for leaders of all club organizations in the county.

Thirty two leaders and fifty other persons attended the afternoon and evening training school conducted by Martin Anderson, Marie Kellogg and Dan Vornholt of the Discussion, Drama, and Music Extension Department. A county committee was selected at the close of the school to guide the clubs in their activities and provide assistance when it is needed.

Extension Organization

The Agricultural Committee at its first meeting of the year discussed farmers institutes as a means of developing interest in better farm practices. Three of these meetings were planned and held in March and all attracted good crowds. The business men of each village cooperated splendidly in making each meeting a success. Foy Sippi had 250 in attendance, Wautoma 400, and Plainfield 450 with 1200 in the evening.

The program at each meeting dealt with fertilizers for the farm, feeds for dairy cattle, self feeders and rations for hogs, poultry, and overcoming calf feeding troubles. The AAA program for 1940 was explained at each meeting for the benefit of those who intended to comply with it. Farmers as a result of the institute came into the office for further information on the topics that were discussed.

The farm institute is still a good way of reaching a great many farmers and it was used quite extensively over the state this past winter.

The County Agricultural Committee made a tour of the county in July visiting some of the results of extension work and projects carried out under their jurisdiction. Fertilizer and hybrid corn trials, pasture renovation, forestry plantings, dairy herds, and the marl digging project were observed during the tour.

I believe the Committee will still agree that sandy soils handled in the right way will make good productive farms.

SOIL AND CROP IMPROVEMENT

Soil Improvement

Crop yields per acre depend upon how well the farmer handles the levers that are under his control. Soils still need lime, phosphorus, and potash according to the large number of tests made in the office. Of the 789 samples brought in for testing, 85 per cent needed lime, 90 per cent needed phosphorus and 72 per cent needed potash.

The farmer's dollar is scarce and there is seldom sufficient available when it comes to buying the needed fertilizers for the farm. However, through the W.P.A. marl project; the cooperation of the fertilizer dealers in the county; the grants of aid under A.A.A.; and paper mill sludge, the cost of these materials have been greatly reduced.

The W.P.A. marl pits have stock piles at Curtis Lake in Richford, Phil Macjeski's pit in the town of Rose, Mankowski's pit in the town of Wautoma, at Jorgensen's pit in the town of Saxeville, and at the Springlake pit in Marion. In addition there is a private pit near Wautoma, another in Mt. Morris and a third in Springwater.

The fertilizer dealers of the county were called in for a meeting on fertilizer prices in early spring before any sales had been made. They agreed at that time to sell potash cash from car at \$40.40 per ton and phosphorus at \$53.30. This price was much less than it could be purchased for in adjoining counties.

The A.A.A. under grants of aid provides farmers with lime which is hauled directly to the farm. It appears that phosphate may be available this winter and for spring delivery at a price of \$40 per ton.

Fertilizer trials were again tried on fifteen farms. Most of these trials showed up very favorably. In one trial where an 0-20-20 mixture was used on grain and new seedings in comparison with a 3-12-12 mixture, the 0-20-20 proved much the better fertilizer. While there was not much difference in the growth or yield of the grain there was a decided difference in the new seeding. The other 0-20-20 trials likewise showed up very well on the sandy soils.

Four more pasture trials using phosphate secured from the T.V.A. were tried with farmers who were willing to make use of this material secured only for the payment of freight charges. One of these trials is located in Plainfield, two in Mt. Morris, and one in Warren. Five hundred pounds of phosphorus and one hundred pounds of potash is portioned to each user. He agrees to put this on a five acre field and use a seeding mixture of alfalfa or sweet clover, red clover, timothy, and brome grass. The purpose of these pasture trials is to interest the farmer and his neighbors in the need for establishing permanent pastures and to fertilize such pastures for greatest productivity.

Crop Improvement

Some time was devoted to new grain varieties and hybrid corn. Two trials with spooner oats show it to yield 12 to 15 bushels per acre over the standard varieties now used. This oat is somewhat later, but with favorable weather conditions will give good yields. A new oat called vicland is being distributed to a limited number of growers for next year's seed production. I have two requests in for growers of this county, but cannot at present be assured of any until actual distribution begins.

A four acre trial with twenty two varieties of hybrid corn was tried as a test plot for determining the best variety for this section. This plot included 90, 95, 100, 105, 107, and 110 day varieties. Of this group the 90 and 95 day varieties gave the best yields, but not the tallest stalks. The ears were well matured and of good size, whereas the 100, 105, and 110 day grew taller stalks but did not develop mature ears. Evidently the longer growing corn is more desirable for silage.

Forestry

The number of ever green trees received this year was the highest on record for Waushara County, totaling 880,000. These trees were ordered under several classifications.

The A.A.A. offered farmers a payment of \$7.50 per acre up to four acres of trees. These had to be purchased in order to qualify for the payment. The trees so purchased numbered 223,100. Another group ordered for shelterbelts, windbreaks, and replacements consisted of 603,200 trees. This year the Conservation Department offered 1000 tree allotments to farmers which were to be used only for solid plantings. A total of 53,700 or enough to plant slightly over 53 acres of trees spaced 6 feet by 8 feet was planted.

On an inspection trip made during the year approximately 98 per cent survival was found.

Potatoes

Two meetings were held with J. G. Milward, Potato Extension Specialist, on potato varieties and diseases. These meetings were quite well attended and served to acquaint the farmer with the progress made along these lines.

The Wisconsin Potato Growers Association supplied some of the 4-H boys with certified seed stock. The fields were inspected during the summer for disease by J. G. Milward and rechecked after they were harvested. Several other fields in the county were also checked for disease. As a result some good seed is available in the county this year.

A.A.A. Program

The following chart gives a rather complete picture of the 1939 Agricultural Conservation program in the county.

A TOWNSHIP ANALYSIS OF 1940 AGRICULTURAL CONSERVATION ASSOCIATION BENEFIT PAYMENTS

Township	Total Number Farms	Total Crop Acres	Alfalfa Acreage Old	New	Total Allotment	Average Productivity	% Farms Participating	Total Payment	Estimated Possible Payment	% of Available Money Rec'd
AURORA	168	9696.8	1324.2	544.2	5338.5	130	94	\$8680.05	\$ 9293.08	93
BLOOMFIELD	162	10721.5	1843.6	698.1	5387.3	125	91	8937.63	9780.73	91
COLOMA	139	12503.5	1239.1	393.5	5611.2	88	83	6444.27	9206.86	70
DAKOTA	112	9351.1	915.5	336.1	4610.3	92	87	5042.63	7193.50	70
DEERFIELD	142	14234.9	1417.4	414.8	6928.4	90	82	8187.35	11314.94	72
HANCOCK	157	14623.1	1370.8	315.8	6016.4	88	86	7763.84	10542.63	74
LEON	139	10067.2	1130.0	310.9	3642.0	98	88	5383.19	7124.21	76
MARION	149	11343.7	1407.0	421.4	5059.0	98	89	7927.96	8781.26	90
MT. MORRIS	133	11326.5	1367.2	335.2	4673.1	95	88	7335.85	8610.98	85
OASIS	150	17023.1	1086.6	334.2	8616.9	98	88	13214.78	14812.31	89
PLAINFIELD	200	14925.2	644.0	196.2	5919.2	89	79	7940.55	11127.29	71
POY SIPPI	140	8694.8	770.5	536.6	4510.4	129	96	7899.83	8074.73	98
RICHFORD	109	10159.0	1839.5	375.4	5164.5	96	87	7264.84	8081.42	90
ROSE	157	14724.4	1298.8	381.7	6411.1	97	89	10366.13	12115.02	86
SAXEVILLE	138	10859.9	1909.5	636.6	4789.9	100	92	8219.69	8512.71	97
SPRINGWATER	131	10256.0	1492.0	328.4	3966.8	93	85	6682.57	7860.28	85
WARREN	136	9482.2	451.8	240.1	4680.8	113	84	6784.85	8025.77	85
WAUTOMA	164	12898.4	1589.2	377.9	5684.9	93	84	8215.82	9888.68	83
COUNTY TOTAL	2626	212891.6.	23096.7	7177.1	97010.7	88.6	87	142291.83	170346.40	84

AVERAGE PAYMENT PER FARM: \$54.19

AMOUNT AVERAGE FARM COULD EARN: \$64.87

Weeds

Interest in weed control is gradually increasing over the state. In some counties money has been appropriated by county boards and town boards for the purchase of chemicals to destroy the weeds that are difficult to eradicate by cultivation. Creeping Jenny or field bindweed is the weed that is causing most concern at present.

During the summer several patches of creeping jenny were located on farms in the county. Three demonstrations on its control were held with George Briggs, of the College; one each in Aurora, Pine River, and Plainfield. These meetings drew 54 farmers and since then 200 pounds of sodium chlorate has been ordered through the office and sold to farmers at cost.

LIVESTOCK AND POULTRY IMPROVEMENT

Dairy

The dairy herd on most farms brings in about 42 per cent of the total cash income. With that picture in mind, two things can be done if the cash income of the dairy herd is to be maintained or even increased.

The dairy herd improvement association offers the farmer an opportunity as one means of improving his dairy herd.

The average production of the members herds in the associations average 297 pounds of butterfat, whereas the average production for the county, as taken from the Wisconsin Crop Reporting Service, is 200 pounds of fat.

Two associations are operating in the county at present. Griff Williams is the tester for the West Waushara Association, and Donald Campbell is the tester for the East Waushara Association.

The Cooperative Bull Association is serving as the means of building production in dairy herds. The association has 72 bulls out among farmers at present and since its organization has put into the herd two good crops of heifer calves and in some cases a third crop where the sire was obtained early. A few exchanges of sires have been made and some new ones purchased. The real value of the organization will be determined after the daughters of these sires are milking.

Poultry

Poultry management and disease control were stressed at meetings held during the year. A great many flocks again became infected with range paralysis principally because of chicks being purchased from unknown flocks. Sanitation and proper feed and range management are other factors that enter into developing a good flock.

All of the flocks of the local hatchery have been checked for disease and other hatcheries are invited to get the same service. So far good cooperation has been received from the hatchery operators. This service should help the farmers get better chicks.

Sheep

Prof. J. J. Lacey, extension sheep specialist, and R. E. Richards, of the Wisconsin Wool Pool, met with the sheep breeders and discussed sheep management. Prof. Lacey stressed flock selection, dipping, worming, and using good rams. Mr. Richards explained the process of marketing wool through the cooperative wool pool. This year about half of the breeders sold their wool in this manner.

Three good rams were purchased by sheep raisers in the county from outside breeders.

MISCELLANEOUS

Rural Electrification

The Rural Electrification program was started at the request of a group of farmers in Richford. A meeting was held to find out how much interest existed. A vote taken favored working up an R.E.A. membership in this town connecting it on an extension line from Adams or Marquette county.

At a district R.E.A. meeting held at Wisconsin Rapids, it was suggested by the federal district representative that a mass meeting be held to determine the interest in the county. Here again a favorable vote was shown, and in order to get the membership drive underway a temporary board of directors was elected.

The present membership of the Waushara Electric Cooperative is 442 with about 398 prospective members along the proposed 290 mile line.

The project data is now filed at Washington D.C. for final passage.

OUTLOOK FOR 1940-1941

Program of Work for 1940-1941

The following program of work has been adopted jointly for Waushara County for 1940-41 by the county agricultural committee, county extension agents, and extension supervisor.

<u>MAJOR PROBLEMS</u>	<u>PHASES OF WORK</u>	<u>GOALS</u>
1. Soil Improvement	Wind Erosion Control Continue Marl Program Continue Soil Testing Head Educ. work A.A.A. Promote interest in use of fertilizer, legumes	Shelterbelts and report poor land Plant one-half million trees Cooperate with W.P.A. & A.A.A. Act as Secretary and promote good soil building practices Put in 5 demonstrations Organize fertilizer orders
2. Junior Education	4-H Club Organization Older Young People's Org.	500 members, 30 clubs, demonstration teams, Cooperate with Co. Fair, Tours Assist with programs
3. Dairy and Livestock Improvement	Dairy Cattle Swine Promotion Sheep Improvement	Assist D.H.I.A. and Bull Ass'ns 4-H Swine Projects, Work out county swine program 4-H Sheep Projects, Use of pure bred rams, dipping
4. Crop Improvement	Potato Improvement Alfalfa Promotion Weed Control Insect Control	4-H Potato Projects, Promote use of better seed Coop with A.A.A. in education Put on 5 demonstrations As needed
Dairy Quality Improvement Program		Cooperate with Wis. Dept. of Agric.
Homemakers		Assist clubs with their program
R.E.A.		Assist with organization of program
Land Use Planning		Conduct Community discussion Meetings on recommendations Hold meetings of County Land Use Planning Committee
Poultry Improvement		As requested