2018-2019 AMERICORPS FARM TO SCHOOL PROGRAM IMPACT REPORT

Report by: Kara Ignasiak, MS, RDN, CD The AC F2S Program is housed at the WI Dept. of Public Instruction.



THE AMERICORPS F2S PROGRAM BY THE NUMBERS

15

AmeriCorps Farm to School host sites.

23

AmeriCorps Farm to School members.



hours served by AmeriCorps Farm to School members.

4

new AmeriCorps Farm to School host sites added in the 2018-2019 service year.

32

Wisconsin school districts participated in farm to school programming.

88 Wisconsin schools were served

by AmeriCorps members.





NUTRITION EDUCATION

5,212

students participated in a series of five, 30 minute nutrition lessons.

1,849

nutrition lessons taught by AmeriCorps Farm to School Nutrition Educators.

44

Wisconsin Model Academic Standards for Nutrition covered.

74%

of our nutrition education goal reached.

6,277

students who received at least one nutrition lesson.

1,156

hours of nutrition education provided by AmeriCorps Farm to School Nutrition Educators.



LOCAL FOODS AND WISCONSIN FARMERS

34

local procurement education documents shared with school food service directors.

495

local food taste test activities were done with Wisconsin students.

26

local foods were served as part of a school meal.

33

miles was the average distance between the schools and local foods purchased.

135

Wisconsin farmers sold or donated local foods to schools.

58

Wisconsin farmers gave educational presentations to students.

SCHOOL GARDENS

221

hours were spent with students in school gardens.

40

school gardens grown with Wisconsin students.

Lettuce

was the number one harvested and tasted garden produce item.

9

new school gardens were built or added onto.

Herbs

were the second most harvested and tasted garden produce item.



different food items grown, harvested, and tasted by students in school gardens.



COMMUNITY EVENTS AND VOLUNTEERS

Kale

111

community events were planned or participated in to promote farm to school.

64%

of volunteers were episodic, one time volunteers.

36%

of volunteers were ongoing, repeat volunteers.

615

volunteers were engaged to support farm to school programming.

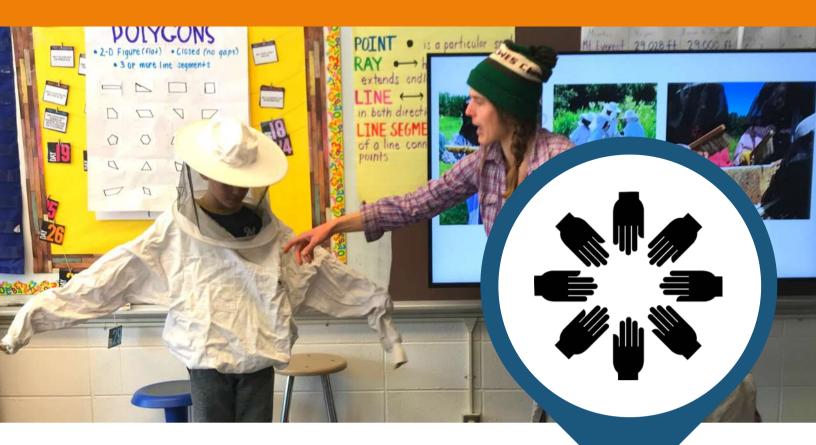
2,536

hours were served by volunteers.

Events & Gardens

were the two most common volunteer activities.





FARM TO SCHOOL COMPONENTS

19

schools received five or more local procurement education documents.

54

schools received five or more local food taste tests.

4

schools served four or more local foods for school meals.

18

schools engaged two or more farmers in educational presentations.

38

schools spent an hour or more with students in a school garden. 64

schools were supported by a farm to school task force.

38

schools received three or more farm to school components.





3RD-5TH GRADE STUDENT SURVEY RESULTS

3,272

students took the presurvey.

2,364

students took the postsurvey.

1,310

students took both surveys and participated in nutrition lessons.

12

host sites participated in the survey analysis.

8

knowledge questions were analyzed.

7

food neophobia and experience questions were analyzed using the Bhapkar test.





FOOD NEOPHOBIA (FEAR OF TRYING SOMETHING NEW)

26%

of students improved their willingness to try a new fruit.

31%

of students improved their willingness to try a new vegetable. The student survey analysis showed a statistically significant improvement in willingness to try a new vegetable; however, there was no statistically significant change for willingness to try a new fruit. These results are the opposite of the 2017-2018 service year. This is analysis does not include students who already reported the highest likelihood to try a new fruit or vegetable on both pre- and post-surveys (i.e. space to improve).

Overall, the Crawford County UW-Extension host site students had the highest increase in likelihood to try both fruits and vegetables, 38% and 45% respectively. The Fort HealthCare students tied Crawford County UW-Extension students with their increase in likelihood to try fruits, 38%.

The Grow LaCrosse and Howard Suamico School District host sites had the lowest increase in students' likelihood to try a new vegetable, 19%. It is worth noting that the Howard Suamico School District did not join the program until halfway through the year, so their students only received 3-4 months of programming before they took the post-

survey. The Grow LaCrosse host site also had the lowest increase in students with improved likelihood to try a new fruit, 15%.





STUDENT EXPERIENCES AND BEHAVIORS AROUND FRUITS AND VEGETABLES

30%*

of students improved their likelihood to choose a fruit or vegetable for snack.

27%

of students improved their likelihood to ask their parents/guardians for fruits at home.



of students improved their likelihood to ask their parents/guardians for vegetables at home.

24%

of students improved their likelihood to choose a fruit for lunch at school.

31%*

of students improved their likelihood to choose a vegetable for lunch at school.

Of the five experience and behavior questions, only two questions resulted in a statistically significant increase in students who improved their likelihood to do something by at lease one categorical response. These are noted with an asterisk. This is analysis does not include students who already reported the highest likelihood to do something on both pre- and post-surveys (i.e. space to improve).

Overall, 25% of students who could improve in willingness to try new experiences with fruits and vegetables did so. More of these students improved in their likelihood to experience vegetables than fruit.





OVERALL IMPROVEMENT IN LIKELIHOOD TO CHOOSE FRUITS AND VEGETABLES

53%

of students improved their likelihood to choose fruits and/or vegetables on at least 2 questions.

20%

of students improved their likelihood to choose fruits and/or vegetables on at least 4 questions. When comparing improvement across all seven neophobic and experience/behavior questions, we decided an improvement in at least one response category on at least two questions was considered a considerable student improvement in likelihood to choose/request fruits and vegetables. This is analysis does not include students who already reported the highest likelihood to do something on both pre- and post-surveys (i.e. space to improve).

When comparing results at the host site level, Crawford County UW-Extension, REAP Food Group, and Stevens Point YMCA students had the greatest increase in students choosing a fruit or vegetable for lunch at school, 33%. Crawford County-UW Extension students also had the greatest increase in improved likelihood to eat a fruit or vegetable for snack and likelihood to ask parent/guardians for fruits or vegetables at home, 38% and 37% respectively.





NUTRITION KNOWLEDGE

69% of knowledge questions answered correctly on the pre-survey.

77%

of knowledge questions answered correctly on the post-survey.

7 of 12

host sites had a statistically significant increase of student nutrition knowledge. Overall, there was a statistically significant increase in nutrition knowledge for students who received at least five, 30-minute nutrition lessons (p<0.0001). At the host site level, all but 5 host sites showed a statistically significant increase in student nutrition knowledge. The Stevens Point YMCA host site saw that greatest increase in student scores, +16%, from pre- to post-survey.

Among the sites that did not have a significant increase are the 16th St. Community Health Center, Bayfield School District, Fort HealthCare, Howard Suamico School District, and the Oregon School District. It is worth mentioning that Fort HealthCare had a very small sample size of students that received lessons and took the survey (n=8). Additionally, the Howard Suamico School District students had a very small window of time between the pre- and post- survey due to joining the AmeriCorps Farm to School Program halfway through the year.





PARENT/GUARDIAN SURVEY RESULTS

209

parents/guardians took the survey.

10

host sites participated in the parent survey analysis.

15 questions were on the survey.

50%

of parents/guardians were aware of their student participating in farm to school activities.

45%

of parents/guardians said their student talks about farm to school at home.

61%

of parents/guardians said they do their best to seek out local food items to feed their family.





AFTER PARTICIPATING IN FARM TO SCHOOL...

33%

of parents/guardians said their student eats more vegetables.

32%

of parents/guardians said they purchase more fruits and vegetables for their family.

18-20%

of parents/guardians said they eat more fruits or vegetables themselves.

37%

of parents/guardians said their student eats more fruits.

39%

of parents/guardians said their student asks them to purchase more fruits and vegetables. The most common reasons for why parents/guardians reported that they purchased more fruits and vegetables after their student participated in farm to school was because their student had a notable interest/openness and they were finding fruits and vegetables they liked at school. The most common reason why parents/guardians did not increase their fruit and vegetable purchases was that they already purchased a lot. This may be skewed due to our small sample. There is a chance that only parents/guardians who were already interested in healthy eating took the time to fill out our survey.

Additionally, 69% of parents received two or less farm to school newsletters. Host sites across the state sent an average of eight newsletters home throughout the year. This shows a communication barrier that we will have to investigate.



12

school food service directors (FSDs) completed the survey.

25%

of FSDs increased their confidence in knowing how to find and purchase local items for their school meal program.

42%

of FSDs increased their willingness to purchase local items for their school meal program.

92%

83%

of FSDs already used local foods on their menus.

50%

of FSDs serve produce from the school garden.

of FSDs work with local farmers to purchase local foods.



SUPPORTING SCHOOL FOOD SERVICE DIRECTORS

50%

of school food service directors (FSDs) participated in a farm to school task force.

50%

of FSDs received local procurement education from their AmeriCorps member.

50%

of FSDs spent 1-10 hours working with their AmeriCorps member.

16%

of FSDs spent 11-20 hours working with their AmeriCorps member.

17%

of FSDs spent 21+ hours working with their AmeriCorps member.

The Food Service Director Survey was sent out to 32 school food service directors in Wisconsin that are associated with the schools our AmeriCorps members serve. We received 12 responses back, which gave us a response rate of 37.5%. This was much lower than anticipated. There is a possibility that responses we received came from food service directors already heavily involved in farm to school. We were surprised that 92% stated that they already used local foods on their menus because our members only recorded a few local menu items served this year. This may be part of the reason why the majority of survey responses were neutral about any changes in confidence or willingness. This was our first year administering this survey, so we will have to investigate how to increase our response rate in the 2019-2020 service year.





SCHOOL FOOD SERVICE DIRECTOR INTERVIEW RESULTS

Motivation for Buying Local

- Better food quality
- Supporting local farmers
- Supporting the local economy
- Would buy more locally if prices were lower
- Would buy more locally if local items could be easily delivered

Barriers to Buying Local

- School gardens and some small farmers do not produce the volume of food schools need
- Not all farmers can deliver to the kitchens
- Lack of farms in their area
- Short growing season
- Storage for items is a challenge
- Lack of kitchen capacity to process large amounts of "whole foods"
- Hard to logistically connect to local farmers (ex. lack of time)
- Some farmers are dissuaded from working with schools due to the bureaucratic processes

Support Needed to Increase Local Purchases

- Help food service directors understand when items are in season
- Foster communication and connections between food service directors and farmers
- Connecting farmers who can deliver to food service directors
- Letting food service directors know what farmers have available and how much they have





16TH ST. COMMUNITY HEALTH CENTER

Members: Amanda Nelson and Danielle Lussier

325

students participated in a series of five, 30 minute nutrition lessons.

2

schools received three or more farm to school components.

32

local food taste test activities were done with Wisconsin students.

2

new school gardens were built or added onto.

20

volunteers were engaged to support farm to school programming.

6

community events were planned or participated in to promote farm to school.

155

hours were served by volunteers.





16TH ST. COMMUNITY HEALTH CENTER SURVEY RESULTS

26%

of students improved their willingness to try a new fruit.

35%

of students improved their willingness to try a new vegetable.

31%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

28%

of students improved their likelihood to choose a fruit or vegetable for snack.

28%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

65%

of knowledge questions answered correctly on the pre-survey.

69%

of knowledge questions answered correctly on the post-survey.





ARBOR VITAE-WOODRUFF ELEM. SCHOOL

Member: Adriane Morabito

98

students participated in a series of five, 30 minute nutrition lessons.

1

school received three or more farm to school components.

Iocal food taste test activities were done with Wisconsin students.

4

hours were spent with students in school gardens.

13

volunteers were engaged to support farm to school programming. community events were planned or participated in to

promote farm to school.

96

hours were served by volunteers.





ARBOR VITAE-WOODRUFF ELEM. SCHOOL SURVEY RESULTS

No surey results to report.





BAYFIELD SCHOOL DISTRICT

Member: Gene Whipple

113

students participated in a series of five, 30 minute nutrition lessons.

2

schools received three or more farm to school components.

12

local food taste test activities were done with Wisconsin students.

48

hours were spent with students in school gardens.

22

volunteers were engaged to support farm to school programming.

8

community events were planned or participated in to promote farm to school.

117

hours were served by volunteers.





BAYFIELD SCHOOL DISTRICT SURVEY RESULTS

25%

of students improved their willingness to try a new fruit.

27%

of students improved their willingness to try a new vegetable.

22%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

18%

of students improved their likelihood to choose a fruit or vegetable for snack.

29%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

80%

of knowledge questions answered correctly on the pre-survey.

78%

of knowledge questions answered correctly on the post-survey.





CRAWFORD COUNTY UW-EXTENSION

Member: Dana Scheffen

858

students participated in a series of five, 30 minute nutirtion lessons.

3

schools received three or more farm to school components.

58

local food taste test activities were done with Wisconsin students.

26.5

hours were spent with students in school gardens.

83

volunteers were engaged to support farm to school programming.

11

community events were planned or participated in to promote farm to school.

227

hours were served by volunteers.





CRAWFORD CO. UW-EXTENSION SURVEY RESULTS

38%

of students improved their willingness to try a new fruit.

45%

of students improved their willingness to try a new vegetable.

33%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

38%

of students improved their likelihood to choose a fruit or vegetable for snack.

37%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

65%

of knowledge questions answered correctly on the pre-survey.

74%

of knowledge questions answered correctly on the post-survey.





FORT HEALTHCARE

Members: Jorie Brenner and Taylor Hall

119

students participated in a series of five, 30 minute nutrition lessons.

3

schools received three or more farm to school components.

14

local food taste test activities were done with Wisconsin students.

17

hours were spent with students in school gardens.

49

volunteers were engaged to support farm to school programming.

14

community events were planned or participated in to promote farm to school.

526

hours were served by volunteers.





FORT HEALTHCARE SURVEY RESULTS

38%

of students improved their willingness to try a new fruit.

25%

of students improved their willingness to try a new vegetable.

7%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

25%

of students improved their likelihood to choose a fruit or vegetable for snack.

19%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

63%

of knowledge questions answered correctly on the pre-survey.

66%

of knowledge questions answered correctly on the post-survey.





Member: Caroline Kerr

GROW LACROSSE

310

students participated in a series of five, 30 minute nutrition lessons.

0

schools received three or more farm to school components.

12

local food taste test activities were done with Wisconsin students.

10.5

hours were spent with students in school gardens.

80

volunteers were engaged to support farm to school programming. 5

community events were planned or participated in to promote farm to school.

234

hours were served by volunteers.





GROW LACROSSE SURVEY RESULTS

15%

of students improved their willingness to try a new fruit.

19%

of students improved their willingness to try a new vegetable.

19%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

22%

of students improved their likelihood to choose a fruit or vegetable for snack.

21%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

76%

of knowledge questions answered correctly on the pre-survey.

80%

of knowledge questions answered correctly on the post-survey.





HOWARD SUAMICO SCHOOL DISTRICT

Members: Sam Inman and Morgan Thums

262

students participated in a series of five, 30 minute nutrition lessons.

4

schools received three or more farm to school components.

16

local food taste test activities were done with Wisconsin students.

3

hours were spent with students in school gardens.

5

volunteers were engaged to support farm to school programming.

5

community events were planned or participated in to promote farm to school.

56

hours were served by volunteers.





HOWARD SUAMICO SCHOOL DISTRICT SURVEY RESULTS

29%

of students improved their willingness to try a new fruit.

19%

of students improved their willingness to try a new vegetable.

21%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

21%

of students improved their likelihood to choose a fruit or vegetable for snack.

18%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

72%

of knowledge questions answered correctly on the pre-survey.

72%

of knowledge questions answered correctly on the post-survey.





JUNEAU COUNTY HEALTH DEPARTMENT

434

students participated in a series of five, 30 minute nutrition lessons.

schools received three or more farm to school components.

40

local food taste test activities were done with Wisconsin students.

2

hours were spent with students in school gardens.

38

volunteers were engaged to support farm to school programming. 6

community events were planned or participated in to promote farm to school.

196

hours were served by volunteers.



The data in this report was compiled by Kara Ignasiak, MS, RDN, CD. The survey analysis was conducted by the Wisconsin Evaluation Collaborative.

Member: Charitee Seebecker



JUNEAU COUNTY HEALTH DEPARTMENT SURVEY RESULTS

23%

of students improved their willingness to try a new fruit.

34%

of students improved their willingness to try a new vegetable.



of students improved their likelihood to choose a fruit or vegetable for lunch at school.

35%

of students improved their likelihood to choose a fruit or vegetable for snack.

30%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

71%

of knowledge questions answered correctly on the pre-survey.

82%

of knowledge questions answered correctly on the post-survey.





OREGON SCHOOL DISTRICT

Member: Jenna Sward

453

students participated in a series of five, 30 minute nutrition lessons.

3

schools received three or more farm to school components.

39

local food taste test activities were done with Wisconsin students.

61

hours were spent with students in school gardens.

84

volunteers were engaged to support farm to school programming. 7

community events were planned or participated in to promote farm to school.

322

hours were served by volunteers.





OREGON SCHOOL DISTRICT SURVEY RESULTS

21%

of students improved their willingness to try a new fruit.

29%

of students improved their willingness to try a new vegetable.

30%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

26%

of students improved their likelihood to choose a fruit or vegetable for snack.

34%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

68%

of knowledge questions answered correctly on the pre-survey.

72%

of knowledge questions answered correctly on the post-survey.





REAP FOOD GROUP

1,014

students participated in a series of five, 30 minute nutrition lessons.

schools received three or more farm to school components.

92

local food taste test activities were done with Wisconsin students.

13

hours were spent with students in school gardens.

27

volunteers were engaged to support farm to school programming.

16

community events were planned or participated in to promote farm to school.

Patty Muether,

Leah Cooke, Tessa Cushman, and Bronte Adamson

131

hours were served by volunteers.





REAP FOOD GROUP SURVEY RESULTS

22%

of students improved their willingness to try a new fruit.

32%

of students improved their willingness to try a new vegetable.

33%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

30%

of students improved their likelihood to choose a fruit or vegetable for snack.

35%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

67%

of knowledge questions answered correctly on the pre-survey.

79%

of knowledge questions answered correctly on the post-survey.





SHEBOYGAN AREA SCHOOL DISTRICT

Members: Aandi Kropelin and Jess Childs

428

students participated in a series of five, 30 minute nutrition lessons.

2

schools received three or more farm to school components.

23

local food taste test activities were done with Wisconsin students.

2

hours were spent with students in school gardens.

14

volunteers were engaged to support farm to school programming. 6

community events were planned or participated in to promote farm to school.

77

hours were served by volunteers.





SHEBOYGAN AREA SCHOOL DISTRICT SURVEY RESULTS

28%

of students improved their willingness to try a new fruit.

27%

of students improved their willingness to try a new vegetable.

25%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

31%

of students improved their likelihood to choose a fruit or vegetable for snack.

28%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

67%

of knowledge questions answered correctly on the pre-survey.

75%

of knowledge questions answered correctly on the post-survey.





STEVENS POINT YMCA

Members: Alyssa Morris and Amberle Schwartz

598

students participated in a series of five, 30 minute nutrition lessons.

2

schools received three or more farm to school components.

73

local food taste test activities were done with Wisconsin students.

2

hours of educational farmer presentations were given to students.

113

volunteers were engaged to support farm to school programming.

12

community events were planned or participated in to promote farm to school.



hours were served by volunteers.





STEVENS POINT YMCA SURVEY RESULTS

20%

of students improved their willingness to try a new fruit.

30%

of students improved their willingness to try a new vegetable.

33%

of students improved their likelihood to choose a fruit or vegetable for lunch at school.

27%

of students improved their likelihood to choose a fruit or vegetable for snack.

24%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

71%

of knowledge questions answered correctly on the pre-survey.

87%

of knowledge questions answered correctly on the post-survey.





TOMORROW RIVER SCHOOL DISTRICT

Member: Rachel Kubacki

300

students participated in a series of five, 30 minute nutrition lessons.

2

schools received three or more farm to school components.

8

local foods served as part of a school meal.

10

hours were spent with students in school gardens.

24

volunteers were engaged to support farm to school programming.

3

community events were planned or participated in to promote farm to school.

38

hours were served by volunteers.





TOMORROW RIVER SCHOOL DISTRICT SURVEY RESULTS

22%

of students improved their willingness to try a new fruit.

28%

of students improved their willingness to try a new vegetable.



of students improved their likelihood to choose a fruit or vegetable for lunch at school.

27%

of students improved their likelihood to choose a fruit or vegetable for snack.

28%

of students improved their likelihood to ask their parent/ guardian for a fruit or vegetable at home.

73%

of knowledge questions answered correctly on the pre-survey.

80%

of knowledge questions answered correctly on the post-survey.





WASHBURN SCHOOL DISTRICT

Member: Jamie Zak

35

students participated in a series of five, 30 minute nutrition lessons.

0

schools received three or more farm to school components.

3

local food taste test activities were done with Wisconsin students.

19

hours were spent with students in school gardens.

18

volunteers were engaged to support farm to school programming.

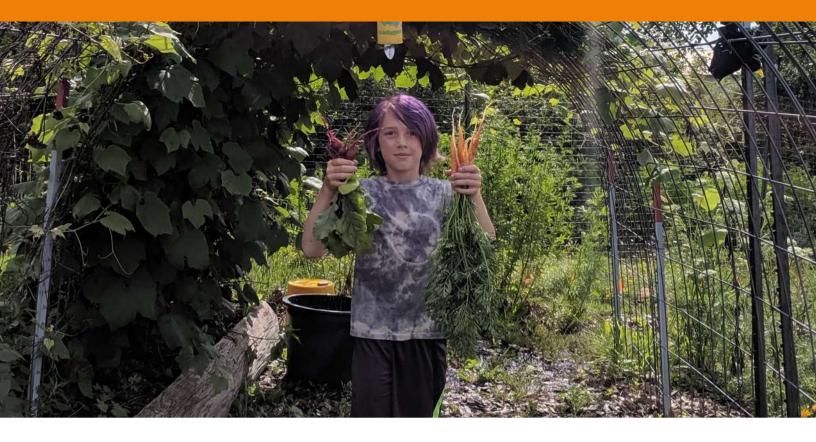
1

community event was planned or participated in to promote farm to school.

36

hours were served by volunteers.





WASHBURN SCHOOL DISTRICT SURVEY RESULTS

No surey results to report.





WAUPACA COUNTY UW-EXTENSION

Member: Alex Richeson

127

students participated in a series of five, 30 minute nutrition lessons.

0

schools received three or more farm to school components.

72

local food taste test activities were done with Wisconsin students.

1

Wisconsin farmer gave an educational presentation to students.

47

volunteers were engaged to support farm to school programming. 4

community events were planned or participated in to promote farm to school.

67

hours were served by volunteers.





WAUPACA COUNTY UW-EXTENSION SURVEY RESULTS

No surey results to report.

