



# ***GREEN LAKE COUNTY***

*571 County Road A, Green Lake, WI 54941*

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**January 3, 2017**

**The following documents are included in the packet for the Ag/Extension Education & Fair Committee Meeting on Tuesday, January 10, 2017:**

- 1) Cover Sheet
- 2) Agenda
- 3) Draft minutes from the December 13, 2016 meeting
- 4) County Library Reports
- 5) Educator Reports for: Jay Dampier (Community Resource & Economic Development), John de Montmollin (4-H Youth Development), Katie Gellings (Family Living), and Nav Ghimire (Agriculture Agent).



**AGRICULTURE, EXTENSION EDUCATION & FAIR  
MEETING NOTICE**

**Date: Tuesday, January 10, 2017 – 10:00 a.m.  
Green Lake County Government Center, Training Room  
571 County Road A, Green Lake, Wisconsin**

**AGENDA**

**Committee Members:**

Joanne Guden,  
Chairperson  
Bob Schweder, Vice-  
Chairperson  
Patti Garro  
Katie Mehn  
David Richter

*Mailing Address:*  
**Green Lake County  
UW-Extension  
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Green Lake WI 54941-  
3188  
920-294-4032  
FAX: 920-294-4176  
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1. Call to Order/Pledge of Allegiance
2. Certification of Open Meeting Notice
3. Approval of Agenda
4. Approval of the December 13, 2016 Minutes
5. Public Comments – 3 Minute Limit
6. Public Appearances
7. County Library Services Report – Linda DeNell, Caestecker Public Library, Green Lake
  - a. Submitted Monthly Report
8. Correspondence
9. **FAIR – 2017**
  - a. 2017 Fair Contracts – Discussion/Approval
  - b. Green Lake County Fair Promotions Committee – Discussion/Approval
  - c. 2016 DATCP Annual Report
  - d. Informational Handouts – Discussion/Approval
10. **UW-EXTENSION**
  - a. Educator Report – John de Montmollin, 4-H Youth Development Educator
  - b. Educators' Summary of Monthly Reports & Relevant Trainings, Meetings & Programs
  - c. nEXT Generation of UW-Extension – Committee Discussion
  - d. Tap Into It: Responses from Green Lake County
  - b. Approval of Educator Out of County Days – Discussion/Approval
  - c. Committee Discussion
11. Future Agenda Items
12. Next Regular Meeting Date – Tuesday, February 14, 2017
13. Adjournment

Kindly arrange to be present; if unable to attend, please notify our office.  
Sincerely,

Jay Dampier  
Green Lake County UW-Extension  
Community Resource & Economic Development Educator/Department Head

*An EEO/Affirmative Action employer, University of Wisconsin-Extension provides equal opportunities  
in employment and programming, including Title IX and ADA requirements.*

*Please note: Meeting area is accessible to the physically disabled. Anyone planning to attend who needs visual or audio assistance  
should contact the UW-Extension Office at 294-4032 no later than Noon on the day preceding the meeting.*



The meeting of the Green Lake County Agriculture, Extension Education and Fair Committee was called to order by Chairman, Joanne Guden, at 10:00 a.m., on Tuesday, December 13, 2016 in the Training Room of the Green Lake County Government Center in Green Lake, WI. The requirements of the open meeting law were certified as being met. The Pledge of Allegiance was recited.

Present: Joanne Guden, Chairman  
Patti Garro  
Katie Mehn  
Bob Schweder

Absent: David Richter, excused

Staff Present: Jay Dampier  
John de Montmollin  
Katie Gellings  
Nav Ghimire  
Kathy Ninneman  
Kim Zills

Absent: Amanda Miller

Others Present: Harley Reabe, County Board Chairman; Cathy Schmit, County Administrator; Linda DeNell, Caestecker Library, Green Lake; Tony Daley, Berlin Journal newspapers.

#### **AGENDA**

***Motion/second (Garro/Mehn)*** to approve the agenda as presented. Motion carried.

#### **MINUTES**

***Motion/second (Garro/Mehn)*** to approve the November 8, 2016 meeting minutes. Motion carried.

**PUBLIC COMMENTS** – None.

**PUBLIC APPEARANCES** – None.

#### **COUNTY LIBRARY SERVICES REPORT – LINDA DENELL**

Submitted monthly reports on file.

#### **CORRESPONDENCE**

Nothing.

#### **2017 FAIR CONTRACTS**

No contracts.

#### **ELECTRICAL/GENERATOR UPGRADE**

Zills is working with Nikki Wagner, since she is in charge of the alcohol sales during the track events.

#### **2017 COMMITTED FAIR FUNDS**

The Committee had discussion. ***Motion/second (Garro/Mehn)*** to approve. Motion carried.

#### **INFORMATIONAL HANDOUTS**

Zills sent a supply order to Maintenance since supplies ran out during the fair. She received a response stating a three week notice is sufficient.

#### **EDUCATOR REPORT**

Jay Dampier, Community, Natural Resource & Economic Development Educator, presented to the Committee, "Progress Report – Reducing non-point source pollution one lawn at a time."

### **EDUCATORS' SUMMARY OF MONTHLY REPORTS & RELEVANT TRAININGS, MEETINGS & PROGRAMS**

Written monthly reports on file for Dampier, de Montmollin, Gellings, and Ghimire were reviewed. Dampier, de Montmollin, Gellings, and Ghimire gave brief verbal reports of their present programming.

### **COMMITTED UW-EX FUNDS: NO CHANGES FOR 2017**

The Committee had discussion. *Motion/second (Garro/Mehn)* to approve. Motion carried.

### **nEXT GENERATION OF UW-EXTENSION**

de Montmollin reported that progress is happening. Each of the nine work groups submitted a report. The IWG will look at all of these reports and weave the information together into recommendations to give as options to the county partners at the WCA (WI Counties Association) meeting in February. Currently the IWG is discussing positions including education requirements, faculty status, titles etc. They are also going to be looking at programs to see how they are administered.

### **TAP INTO IT: RESPONSES FROM GREEN LAKE COUNTY**

Dampier gave the Committee a packet of "Tap Into It" impact stories. These were submitted by various people who shared their views of how Green Lake County UW-Extension educators and the programs are valued.

Dampier also met with the local newspaper reporter, Tony Daley, who is writing an impact story for this week's newspaper.

### **EDUCATOR OUT OF STATE TRAVEL**

Ghimire: Journal of Extension, Austin, TX – March 20-23, 2017

Ghimire: Association of International Agricultural Extension and Education Conference, Minneapolis, MN – April 24-28, 2017

*Motion/second (Schweder/Mehn)*, to approve Ghimire's out of state travel. Ayes: 4 Nays: 0. Approved.

### **APPROVAL OF EDUCATOR OUT OF COUNTY DAYS**

*Motion/second (Schweder/Garro)*. Approved.

### **COMMITTEE DISCUSSION**

Nothing was discussed.

### **VOUCHERS**

The vouchers will now be approved by Cathy Schmit, County Administrator. The Committee will be given a monthly report from the County Clerk's Office.

### **FUTURE AGENDA ITEMS**

- nEXT Generation
- If anyone has an agenda item, please contact Dampier.
- Next regular meeting date: Tuesday, January 10, 2017 in the Training Room at 10:00 a.m.

### **ADJOURNMENT**

*Motion/second (Mehn/Garro)* to adjourn at 10:59 a.m. Motion carried.

*Respectfully submitted, Kathy Ninneman, Program Specialist*

## **Green Lake County Library Activities Report for January 2017**

**Berlin:** December has been a blur of busyness and fun here at the Berlin Public Library. Mr. & Mrs. Claus were a huge hit at our special Mrs. Claus Story Time on December 3<sup>rd</sup> with kids and parents having fun listening to "Twas the Night Before Christmas", singing Christmas carols, and making special ornaments.

The library has been absolutely beautiful for the holidays, and I will be sad to see everything get taken down. Our Holiday Greeting Card Workshop taught by artist Mel Kolstad was a huge hit! As our craft nights continue to increase in popularity, we will be exploring adding additional classes and types of classes.

The Friends of the Berlin Library is preparing for a book sale for the first Thursday, Friday, and Saturday of February, and we hope to create a lot of buzz and receive a good turnout.

We are all looking forward to our upcoming programs – another Arm Knitting class on January 14 and Gaelic Harpist Jeff Pockat on January 28.

By the time you will be reading this, we will have made an offer for our Children's Librarian, who will hopefully be starting later in January or early February.

**Green Lake:** The lower level remodeling continues – last week we took delivery of some appliances for the kitchenette in the meeting room and light fixtures for the restrooms are expected tomorrow. There is fresh paint on some of the walls. Tile is being laid in the restrooms as I type. Cabinets and doors are expected later this week. So, progress is being made. We're still hoping for a "grand opening" in time for our annual Road to the Oscars film series. Meanwhile, community members have helped us raise over \$14,000 to furnish the new room, for which we are extremely grateful.

The after school programs are going strong on Mondays, Wednesdays, and Thursdays. I am beginning a new program with Town Square every first Friday afternoon – Stories in Action. And we do expect to begin our Road to the Oscars film screenings on the 24<sup>th</sup>.

**Kingston:** Our library was closed the week between Christmas and New Years for the holiday, as we do every year. And now we are back, refreshed and ready to start the new year. Annual reports will be starting soon and it is always interesting to see how the year went, statistic wise. We are looking ahead to our fundraisers for the year and the 1<sup>st</sup> one will be held in April. We will ask patrons to paint umbrellas that we will then auction off and the theme will be "April Showers bring May Flowers." Happy New Year to you all!

**Markesan:** Markesan Public Library was able to install security cameras last month. The Library had known for a long time that cameras were needed but didn't have the funds. After a letter writing campaign to local businesses and service organizations, and using other donations, we finally had enough funds. We will be working on our program calendar for the year which includes children and adult programming, as well as board of trustee duties. But first, the staff will focus on the annual report which is required by the state. The report form is 10+ pages covering everything from board members, income, expenses, program attendance, circulation, collection size, and more. Winnefox is a great help

in providing many reports and support. Story hour, movie night, lego club, book discussion continue this winter, as well as regular book checkouts, many daily newspaper readers, children after school, copy machine users, and people socializing over the jig saw puzzle.

**Princeton:** We are returning from the holidays a little fuller and a little slower. The library has returned to its normal condition after the Friends Holiday Sale and Cookie Walk. We raised \$2,348. The Fundraising Campaign has been seeing a return of its giving letters, have raised over \$5,000 in the last couple of weeks. We concluded 2016 with over \$330,000 in the bank for the expansion fund.

The children of Princeton had a wonderful before Christmas making gingerbread houses and ornaments. You can see some of our crafts on the library's Facebook page.

January will continue to be a planning month for the library. The Fundraising Committee is planning it Soup Fundraiser, a sit-down dinner, along with spring and summer raffles. Programming at the library will begin in earnest at the end of the month with a book folding program, Valentine's cards, and our winter movie series. We look to the flood of tax forms and I will begin completing the annual report.

This report briefly describes work completed during December 2016 within the Community Natural Resources and Economic Development (CNRED) Program. During the reporting period, I made 22 direct educational / professional contacts.

## **Organizational Development and Capacity Building**

**Design Wisconsin Team planning in Princeton** The Princeton Chamber of Commerce's Board is planning to participate in the UW-Extension program "Design Wisconsin Team." I met with the Chamber and although the visit is not scheduled until Fall 2017 planning work is currently underway. My role in the project will include project oversight, facilitation and coordination between the Princeton participants and the Design Wisconsin Team. The purpose of the Design Wisconsin Team is to assist local communities identify and visualize their short-, medium-, and long-range vision for the future. The visiting team includes volunteers (typically about 20 professionals) from planning and design professions who donate their time and talent over the course of a 4-day weekend.

**Grant writing follow up** I met with and provided follow up grant writing resources to the Princeton Library expansion committee members in order to discuss how UW-Extension can support their grant writing efforts.

## **Natural Resource Stewardship**

**Lawn Care / Water Quality** The project is entering its next phase. I am conducting preliminary evaluation work and have also started to develop an implementation guide.

## **Educational Programming, Outreach and Promotion**

**Intercounty Coordinating Committee (ICC)** I, along with county board chair, county administrative coordinator, and county administrator participated in this month's ICC meeting hosted in Dodge County. The topic of discussion was on "Trends and Topics in Economic Development."

## **Professional Development**

**Real Colors** I took the three-day training to become a Real Colors Certified Facilitator. The training grants me the authorization to deliver the Real Colors teaching materials. The workshop helps participants to better understand human behavior, uncover motivators specific to each temperament, and improve communication with others.

**UWEX Funding Resource Hub Wisline** I participated in this wisline. Topics covered included proposal development and "Rules for successful proposals."

## **Administration**

**Civil Rights Action Plan** I along with office colleagues developed and submitted the office's Civil Rights Action Plan as deliverable from last month's Civil Rights Review.

## **Newspaper articles**

- “Why some women don’t run for local office.” Berlin Journal Newspapers. December 8, 2016 by Jay Dampier

## **Out of County Days**

- 3.0 Real Colors Training, Wausau, WI
- 0.5 Tenure Advisory Group Meeting, Stevens Point, WI
- 0.5 ICC Meeting

## **Planned out-of-county days for next month.**

- 0.25 TREDDC Meeting
- 0.5 Tenure Advisory Group Meeting, Stevens Point, WI





## Contacts

Phone	E-mail	Face to Face
17	25	64

## Highlights

### Green Lake County 4-H Ambassadors

The Green Lake County 4-H Ambassadors are a group of older 4-H members who promote 4-H throughout Green Lake County and provide social and educational programs focused on the retaining older 4-H members. I attended the Green Lake County 4-H Ambassador meeting on Sunday, December 4, 2016 and helped them begin to plan for the 2016-17 year. In addition, the group welcomed seven new members bringing the total number of Ambassadors to 19.

### Green Lake County 4-H Ambassador Evaluation

Using a framework developed by the University of Illinois Extension on Teen Leadership Competencies, I had current Ambassadors complete a pre-post retrospective survey that was designed to measure changes in participants ability to plan, promote, teach, mentor, advocate and advise. Green Lake County 4-H Ambassadors as a whole reported an increased increases in all six competencies (planning, promoting, teaching, mentoring advocating and advising).

The most significant change observed this year was in promoting where all program participants that completed an evaluation reported a change. The average score of this competency increased from 2.47 to 4.38 which was a net change of +1.91. One youth participant wrote: *“The Ambassador program has pushed me and gave me experiences that I was able to learn from that I will use in the future. I have gained self-confidence and the knowledge about going out of your comfort zone for the better.”*

<b>PROMOTING</b> (N=8 of 12) <small>Scale: (1) Strongly Disagree (2) Disagree (3) Uncertain (4) Agree (5) Strongly Agree</small>	Average “Before”	Average “After”	Net Change
	Program	Program	
I can speak to a large group of people about 4-H	2.62	4.25	+1.63
I can educate decision makers on the value of 4-H	2.75	4.38	+1.63
I can solicit donations for potential 4-H supporters	2.25	4.0	+1.75
I can talk to youth and families about how to join 4-H	2.25	4.88	+2.63
<b>Average for Promoting</b>	<b>2.47</b>	<b>4.38</b>	<b>+1.91</b>

The second largest change was observed in planning where once again all program participants that completed an evaluation reported a change. The average score of this competency increased from 2.84 to 4.56 which was a net change of +1.72.

## Cloverbud Day

I assisted the Country Clovers 4-H Club and the Green Lake County 4-H Ambassadors in coordinating Green Lake County 4-H Cloverbud Day on Saturday, December 10, 2016. Cloverbud Day gives youth in Kindergarten – 2<sup>nd</sup> Grade the opportunity to explore the 4-H program through hands-on activities that are led by older 4-H members. Over 20 youth participated in Cloverbud Day.



## Volunteers In Preparation Training

In order to become a Green Lake County 4-H volunteer, adults need to participate in the Volunteers In Preparation training. This two-hour program covers a wide variety of topics including: risk management, Wisconsin 4-H policies, the experiential learning model, volunteer expectations and a lot more. No experience is needed to become a 4-H volunteer, but the most important qualification is a desire to work with young people, helping them gain life skills and providing them positive experiences. On Thursday, December 1, 2016 I facilitated a Volunteers In Preparation session and trained six new Green Lake County 4-H volunteers.



Beth  
MacGowan



Amy  
Shirley



Allison  
Montag



Mitch  
Newton



Dan  
Huitema



Rebecca  
Montey

## Did you know... Parent/Guardian Expectations

Parents and guardians are expected to behave in ways that promote positive role modeling for all youth. If 4-H youth development staff have reason to believe a youth or a parent/guardian has engaged in reckless or disruptive behavior at a 4-H meeting or event sponsored by UW-Extension or engaged in behavior at any time that constitutes criminal child abuse or neglect, that educator will inform that youth or parent/guardian of his/her reasons for that belief and direct that individual not to attend 4-H meetings or events sponsored by UW-Extension. Such a youth or a parent/guardian may not attend 4-H meetings or events sponsored by UW-Extension until such time as the youth or parent/guardian provides reliable evidence that he/she did not engage in such conduct.

## Days Outside Green Lake County

January 4-5, 2017	Integration Work Group	Madison
January 9, 2017	Integration Work Group	Madison
January 12, 2017	Integration Work Group	Madison
January 16, 2017	Integration Work Group	Madison
January 19, 2017	Integration Work Group	Madison
January 23, 2017	Integration Work Group	Madison

This report briefly describes the work that was completed within the Family Living Program in December of 2016. During the reporting period, the educator made 64 direct educational and professional contacts.

**Educational Programming, Networking and Outreach in the Local Community**

*Community Support Program (CSP) Holiday Meal & Lesson – Green Lake County Government Center*

In early fall, I met with Brooke Bruce from the Behavioral Health Unit. She was interested in setting up a lesson for the clients involved in CSP in Green Lake County. Green Lake County CSP offers services for residents that have a mental illness. CSP works for reduce symptoms and restore an optimum level of stability and independence. I partnered with CSP during their holiday meal held in the Training Room in mid-December. I offered a short cooking and nutrition lesson that taught participants about proper food safety and healthy meal preparation.



*Financial Literacy Workshops: Get Money Smart! – Green Lake County Correctional Facility*

Moraine Park Technical College (MPTC) Instructor, Maureen Betz, and I began co-teaching financial literacy workshops at the Green Lake County Correctional Facility again. The financial literacy workshops will continue to be offered monthly, alternating males and females (on a monthly basis), with a new topic bi-monthly. We will teach the workshops from late fall to early spring again this upcoming year. This month’s topic was budgeting and money management, in which participants learned the difference between needs and wants, ways to track spending, how to develop a spending plan (budget), and ways to cut expenses and increase income. Each participant created a personal financial goal and I walked them through figuring out a plan to achieve that goal within a certain amount of time. Ten males participated in the workshop, and three females came to the workshop. Evaluation data that I collected from the workshop includes the following:

N = 10 of 10 (Males only - November 2016) Budgeting and Money Management	% Reporting [only] 1 Unit of Change	% Reporting [at least] 2 or > Units of Change
I am confident in my ability to make smart money management decisions	20.0%	60.0%
I understand the importance of creating a spending plan	40.0%	50.0%
I am confident in my ability to use a spending plan that I created	10.0%	50.0%
I understand the various ways to track spending	0.0%	60.0%
I am confident in my ability to track my spending properly	0.0%	70.0%

N = 3 of 3 (Females only - December 2016) Budgeting and Money Management	% Reporting [only] 1 Unit of Change	% Reporting [at least] 2 or > Units of Change
I am confident in my ability to make smart money management decisions	33.3%	33.3%
I understand the importance of creating a spending plan	33.3%	33.3%
I am confident in my ability to use a spending plan that I created	0.0%	100.0%
I understand the various ways to track spending	33.3%	66.7%
I am confident in my ability to track my spending properly	0.0%	100.0%

**Networking within UW Extension and Professional Development Opportunities**

I made 33 contacts within the UW Extension system during the month of December. I continue to have a number of professional meetings scheduled with colleagues and mentors to continue to network and learn from my fellow Extension educators.

*Healthy Living Team Meeting – Madison, WI*

In early December, the Health Living State Team that I am an active member of met in Madison to discuss the plan of work for 2017. The Healthy Living State Team has four workgroups within its state team. I am a member of the following workgroups: Active Communities, Creating Aging-Friendly Communities, and Food

& the Culture of Health. I currently co-chair the Food & the Culture of Health workgroup. I recently joined the Creating Aging-Friendly Communities workgroup due to the growing aging population (see maps below). The meeting resulted in a very productive day, in which each group drafted an individual workgroup plan of work. The objectives of each workgroup I am involved in are listed below:

**Active Communities**

- Increase physical activity opportunities for all members of a community
- Enhance and improve physical activity levels, which will improve health and overall quality of life

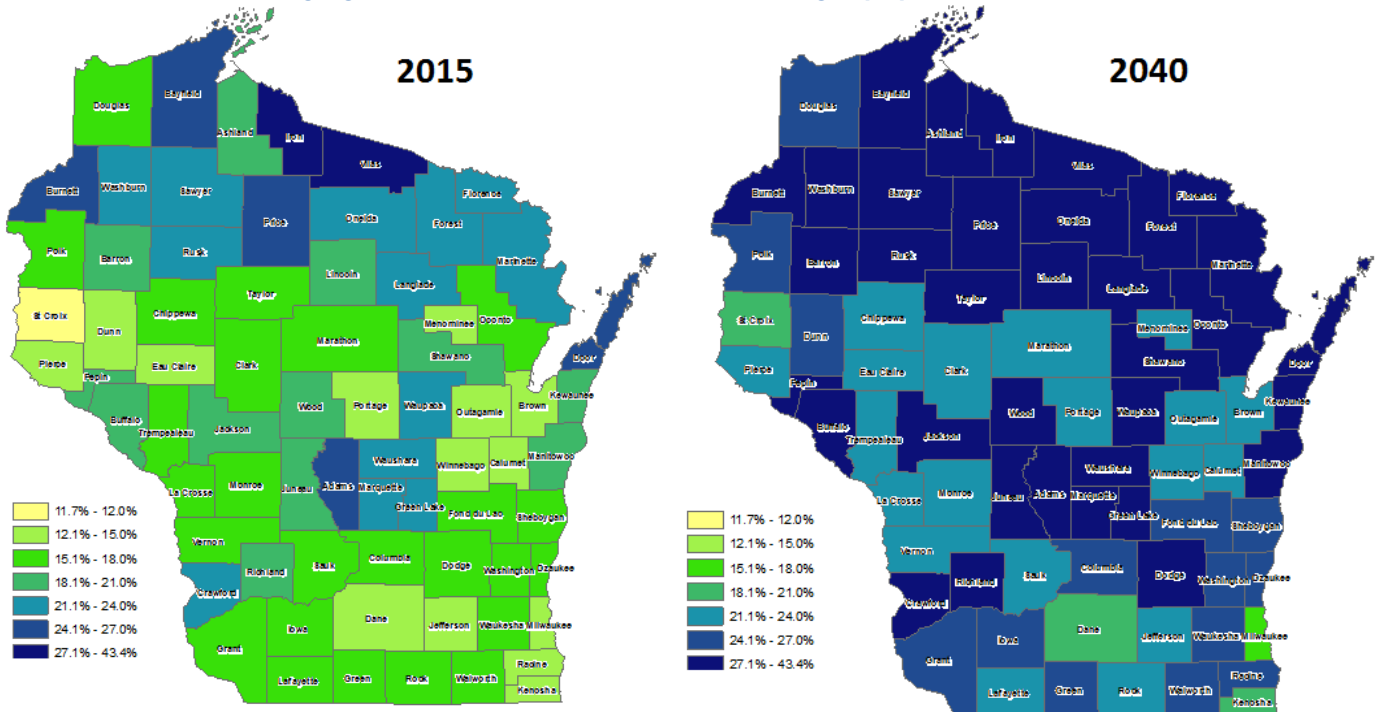
**Creating Aging-Friendly Communities**

- Increase awareness of community readiness for increasing aging population
- Increase capacity around creating an Aging-Friendly Community
- Improve knowledge of and access to resources for older adults and their families

**Food & the Culture of Health**

- Increase knowledge of healthy eating and food resource management
- Encourage healthier eating behaviors across the lifespan
- Decrease number of overweight and obese individuals, and associated health problems

**Aging Wisconsin 65+ (Darker colors = larger population of 65+)**



**Newspaper Articles**

“Minimize Stress this Holiday Season” Berlin Journal Newspapers. December 12, 2016. By Katie Gellings, Family Living Educator

“Cancer, Clear & Simple Series Offered in Green Lake” Berlin Journal Newspapers. December 19, 2016 and December 26, 2016. By Katie Gellings, Family Living Educator

**Out of County Days**

- 2 Out of county days for December (Healthy Living State Team meeting in Madison\* – 1; North Central Region Department Head meeting in Merrill – 1)
- 3 Out of county days scheduled for January (Fulfilling the Promise Conference presentation planning meeting in Fond du Lac – 1; North Central Region Family Living Meeting in Waupaca – 1; Active Communities Workgroup meeting in Madison – 1\*)

\* Travel expenses are covered by UW Extension

**Nav Ghimire, Green Lake County, Agriculture Agent, December, 2016.**

### **Educational Contacts**

In the month of December, a total of 57 educational contacts were made with extension clients. Of the total contacts, face to face contacts were 49 (meetings, walk-in, farm visits). Remaining contacts were phone calls, emails, and mailings. Of the total contacts, females were 14. The main areas of concern during that period were Amish vegetable growers annual meeting and planning winter programs, farm workers' health care program, cover crops, home horticulture, and program evaluation.

### **Economic Impacts of Fresh Market Vegetable Programs to Amish Growers 2016**

In 2016, I conducted a food safety (Good Agricultural Practices) meeting and a Twilight Field Day with Amish growers. In addition, I provided one-on-one on-farm technical assistance to growers in the area of disease and insect control and nutrient management. The vegetable newsletter developed by state and fact sheets that I developed were also sent to growers during the growing season every fortnight. Of the 150 growers directly associated with Tri-County Produce Auction, 38% ( $n = 57$ ) of them were served with research based educational information. I also provided additional support to growers mailing educational materials.

In a follow-up evaluation survey, 22 growers who responded knowledge items, reported statistically significant change in their level of understanding after program participation in the area of pre-production food safety, post-harvest handling and packaging and transportation to auction; vegetable diseases and insect control, application of insecticides and fungicides and identification of viral disease. The knowledge gains after the on-farm technical assistance compared to before the on-farm technical assistance was analyzed by using the Wilcoxon Signed Rank Test [ $Z_{critical} (n=21, \alpha =0.0001) = -3.84$ ]. The knowledge statements were measured in a 5 –point Likert-type scale. The 22 growers also reported producing on an average 10% (range = 5% - 25%) more quantities of vegetables per acre as a result of the program participation. The survey respondents reported having a total of 199 acres of land (an average holding 9 acres/farm). As a result of the good agricultural practices (GAP) trainings, 16 growers also received third party audited GAP certification for their farm.

Based on the Centre for Integrated Agricultural Systems, University of Wisconsin-Madison report (2006), fresh market vegetable producers (with 3 - 12 acres) can earn an average net income of \$4,679 /acre. On an average, the 10% increase in Amish growers' vegetable production means \$468 net income/acre. Therefore, 22 growers who responded the survey increased their total net income by \$93,132 in 199 acres. It can be inferred from the current data that of the 57 growers who participated in the programs might have a potential increase in their income with a total of \$241,020 for an estimated 513 acres of land holding.

### **Economic Impacts of Nutrients Management Program to Growers 2016**

I conducted nutrient management and SNAP-Plus trainings for growers. In addition, I also provided one-on-one technical assistance to growers to develop their plans. A total of 18 farmer participated in these training.

During the end of session evaluation, 7 farmers for nutrient management training and 6 farmers for SNAP-Plus training reported statistically significant change in their knowledge in the area of state and federal policies, nitrogen crediting, phosphorous and potassium management, soil Sulphur, micronutrients, and manure management, nutrient crediting from manure and cover crops and allocating fertilizers and manure in their farms. The pre-test and post-test knowledge gain was analyzed by using the Wilcoxon Signed Rank Test. For nutrient management training, [ $W_{\text{statistic}} (n=7, \alpha=0.05) = 28$ ; against  $W_{\text{critical}} = 36$ ]; for SNAP-Plus training, [ $W_{\text{statistic}} (n=6, \alpha=0.05) = 21$ ; against  $W_{\text{critical}} = 26$ ]. The knowledge statements were measured in a 5 –point Likert-type scale (1 = very low and 5 = very high).

In a follow-up evaluation survey conducted at the end of growing season, 8 farmers with a total of 2,834 acres of farm land reported average savings of \$19 per acres (range \$10 – \$30 /acre) in their nutrient cost. It means respondents saved a total of \$53,846 in their production cost.

It means, the 13 farmers who participated in the program reported a total of 6,688 farming acres might have saved \$127,072 in their nutrient cost. Farmers also reported saving of \$4,765 by writing their own plan compared to hiring a consultant. Growers reported increasing corn yield by 50 Bushels/acre as a result of splitting nitrogen applications, adding multiple species of cover crops in their crop rotations, reducing soil compaction by making a one path to drive machinery, calculating nitrogen credit from previous crops or from current years' manure application, increasing corn yield by 50 Bushels/acre as a result of splitting nitrogen applications, testing soils and making fertilizer application abased on soil test reports.

### **Cover Crop Workshop Evaluation 2016**

I conducted a cover meeting in coordination with Legacy Seeds and Damon Reabe. A total of 27 participants responded end of session evaluation survey and reported one to two unit change in their knowledge after program participation compared to before the program in the area of cover crop seed selection mixture and establishment, soil health and compaction, and slugs damage in the germinating plants. Participant's also reported using barley instead of oat or rye for their cover crops because of its better nitrogen intake capacity and giving back to soil after killed by frost.

### **Apple Pruning Workshop Evaluatuiou 2016**

In collboaration with the Pinneapple Hill Orchard, I conducted apple pruning workshop for city and town homeowners who as some trees in thei backyard. A total of 26 particiatpeats repoded survey evaluioun reposring two to three unit increse in their knowledge after the program compare to before the program in the area of time of pruning and scheling sprays. People reported to regualr prunnign , fertilizing and spray scheduel over the days to come.