

Small Acreage Landholder Outreach Program 2016 Annual Report

Submitted to Clark County Department of Public Works, Clean Water Program

Submitted by WSU Clark County Extension

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WSU Clark County Extension



Department of Public Works
Clean Water Program

Executive Summary

Two BMP workshops drew 19 people, four Wells and Septic Maintenance workshops drew 128 participants, and two Tours drew 15 participants. The fall *Living On the Land* class series graduated 18 enrollees. The 18th Annual Harvest Celebration held September 17th featured ten local properties and drew 480 visitors.

Task 1 - Best Management Practices (BMPs) Guidelines

Task 1 a – Information Resources

The program tracks website hits and downloads monthly and compiles quarterly statistics (Table 1). At the end of July WSU web support changed the Small Acreage Program URL and the Google Analytics account was not updated to allow tracking from August through mid-October.

Table 1: Small Acreage Webpage Activity

Fact sheets *	Qtr 1	Qtr 2	Qtr 3	Qtr 4	YTD
Reduce Mud and Keep Water Clean: Sacrifice Areas	67	60	8	31	166
How Green is Your Grass? Five Steps to Better Pasture & Grazing Mgmt	12	9	3	11	35
Save Time and Money - Properly Landscape Your Septic System	15	16	2	0	33
Don't Let Your Dollar\$ Go Down the Drain! Septic Tank Additives	11	13	2	6	32
Keeping Clean Water Clean & Reducing Mud - Improving Drainage	8	0	0	9	17
What Can You Do On Your Land? Frequently Asked Questions	0	2	0	1	3
Do You Qualify For Reduced Property Taxes? Current Use Taxation	1	0	0	2	3
Information on Small Acreage Management - Resource List	1	0	0	1	2
Water Quality Self-Assessment for Small Acreages	1	0	0	1	2
Protecting Drinking Water: Simple Tips for Well Maintenance	1	0	0	0	1
Keeping Clean Water Clean & Reducing Mud: Managing Roof Runoff	0	0	0	1	1
Tips On Land & Water Management for Small Acreages in SW WA	0	0	0	1	1
Constructing Ponds and Water Features - What Does It Take?	0	0	0	0	0
Small Acreage Landowner Services Directory	0	0	0	0	0
What's Bugging You? Natural Insect Control for Small Acreages	0	0	0	0	0
Certified Kitchens Fact sheet	0	0	0	0	0
Manure Management: Strategies for Collection, Storage & Disposal	0	0	0	0	0
Protecting Your Investment: Inspecting Your Septic System	0	0	0	0	0
Best Management Practices for Small Acreages	0	0	0	0	0
Simple Steps To Protect Your Surface and Well Water	0	0	0	0	0
Total Downloads	117	100	15	63	295
Video Clips					
Manure Management (You Tube)	372	305	450	387	1514
Five Ways to Protect Riparian Areas (You Tube)	16	19	48	34	117
Five Quick Steps to Reduce Mud	35	16	18	18	87
Reducing Mud on Small Acreages (You Tube)	18	8	27	15	68
Managing Manure	13	11	4	9	37
Livestock Exclusion and Off Channel Watering	9	15	3	9	36
Doing Our Part for Clean Water	2	4	7	3	16
Total Views	463	374	557	472	1875
Website Visitors					
Small Acreage Web Page	388	280	77	255	1000
BMP Video Web Page / Publications and Videos Page	35	24	16	17	92
Living on the Land Web Page	144	123	57	123	447
Total Visitors	567	427	150	395	1539

* According to Google Analytics.

The factsheet *Reduce Mud and Keep Water Clean: Sacrifice Areas* continues to be the most popular publication and was downloaded 166 times. Downloads dropped during the second half of the year for unknown reasons.

The Coordinator added announcements for BMP workshops, well and septic maintenance workshops, property tours, the Harvest Celebration and the *Living On the Land* class series to the WSU Extension website calendar (<http://extension.wsu.edu/clark/calendar/>).

Issues and Recommendations

The program's URL changed in August and the Google Analytics account did not capture website traffic and downloads in August or September. The director is in contact with WSU web support to resolve this issue. The office website underwent significant change when WSU IT updated the software again. The program plans to promote the program pages more heavily in 2017.

Task 1 b – Publications

The Coordinator did not complete an educational article in the third quarter. The Coordinator started a factsheet on rainwater harvesting but did not complete it.

Issues and Recommendations

The Coordinator did not complete these tasks before resigning in August. Unfortunately, the WSU hiring process took longer than anticipated, and a new Coordinator did not start until January 2017. The Director was unable to complete two tasks: a Reflector article and a factsheet.

Task 2 - Public Education & Outreach

Task 2a – Living on the Land: Stewardship for Small Acreages

The 2016 Living On the Land class, September 1st through November 17th, enrolled 20 participants, although one dropped out and one spouse never came to class. The LOL graduated 18 people in 15 households. The class syllabus remains similar to past years, with some reorganization to accommodate speakers (Table 2).

Most graduates (67%) heard about the LOL class through email, although 17% heard through other events, and 17% heard from other sources (Table 3). This can be misleading since some participants heard about the course at an event or by word of mouth, but requested to be notified by email when registration opened. The Coordinator promoted the class through press releases to three newspapers (Appendix A), the program website, Facebook, outreach events, workshops, other Extension and county programs, and e-mail listservs. One paid advertisement was used this year in The Reflector newspaper. The program charged a fee of \$35 per household to help cover material costs (e.g., printing, binders, etc.).

Table 2: LOL Class Schedule

Date	Topic	Instructor(s)
9/1/16	What Do You Have & What Do You Want? Turning Dreams into Reality	<i>Doug Stienbarger</i> , WSU Clark County Extension
9/8/16	What Can You Do? Turning Dreams into Reality	<i>Doug Stienbarger</i> , WSU Clark County Extension
	Clark County Land Use Zoning and Codes	<i>Scott Melville</i> , Clark Co Community Development
9/15/16	Protecting Household Drinking Water & Maintaining Septic System (Inspection Certification offered)	<i>Brigitte Bashaw</i> , Clark County Public Health <i>Sean Hawes</i> , Clark County Public Health
9/22/16	How Grass Grows / Pasture Establishment & Renovation	<i>Gene Pirelli</i> , OSU Extension
9/29/16	Getting Down and Dirty With Soil	<i>Gordon French</i> , LJC Feed
10/6/16	Managing Soil to Keep it Productive	<i>Caroline Swansey</i> , Yacolt Mt. Farm
10/13/16	What to Do About Weeds?	<i>Casey Gozart</i> , Clark County Vegetation Mgmt.
10/20/16	Watershed Pollution & C.C. Clean Water Program	<i>Cary Armstrong</i> , C.C. Clean Water Program
	Managing Animals to Avoid Negative Impacts	<i>Doug Stienbarger</i> , WSU Clark County Extension
10/27/16	Managing Grazing for Sustainable Pastures	<i>Gary Fredricks</i> , WSU Cowlitz Extension
11/3/16	My Place On a Stream	<i>Anitra Gorham</i> , NRCS
	Living With Wildlife	<i>Rachel Maggi</i> , NRCS
	Local Resources	<i>Denise Smee</i> , Clark Conservation District
11/10/16	Business Opportunities	<i>Chip Bubl</i> , OSU Extension
11/17/16	Focusing on Stewardship: Tying it all together	<i>Doug Stienbarger</i> , WSU Clark County Extension

Table 3: How Participants Learned About the LOL Class

Source	No.	%
E-mail	12	67%
Small Acreage Events	3	17%
Other (CCEHC Directory, word of mouth, other organizations)	3	17%
Internet (WSU Ext website, Facebook)	0	0%
Reflector	0	0%
Columbian	0	0%
Friends, family, and neighbors	0	0%
Camas Washougal Post Record	0	0%
Total	18	100%

Of the 15 households, 14 own acreage in Clark County, one owns land in Lewis County, and one plans to buy acreage in the near future. Of the 18 graduates, 14 (78%) attended at least three-quarters (9) of the 12 class sessions, although only one attended all classes, which is unusual compared to the past (Table 4).

All classes are held at the Clark County Public Works Ops Center on 78th Street in Vancouver, due to its larger capacity, and central location close to I5 and I205.

Table 4: LOL Attendance

Classes Attended	# Graduates	As % of Graduates
12	1	6%
11	4	22%
10	6	33%
9	3	16.5%
8	3	16.5%
7	1	6%
6	0	0%
Total	18	100%

As many participants come from the southern part of the county as all other areas combined, and they all came from Vancouver (Table 5). Overall, participants only came from four areas of Clark County, Vancouver, Ridgefield, Battle Ground and Yacolt, in that order from most to least. In past classes, most participants come from north county, followed by central county.

Table 5: Geographic Distribution of Graduates

Location	F03	S04	F04	S05	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15	F16	City Totals
North																	
Amboy	0	3	4	5	1	3	3	1	2	0	1	1	1	0	3	0	28
La Center	6	7	4	5	3	6	5	1	0	3	3	5	1	3	4	0	56
Ridgefield	0	5	2	2	7	2	2	6	3	3	0	7	3	2	1	4	49
Yacolt	0	6	0	0	1	7	3	0	1	1	1	0	0	2	2	1	25
Woodland (Clark Co.)	0	0	2	2	1	2	2	3	0	0	0	0	0	0	1	0	13
Subtotal	6	21	12	14	13	20	15	11	6	7	5	13	5	7	11	5	171
Central																	
Battle Ground	8	14	8	5	4	6	6	7	2	2	3	8	9	8	9	2	101
Brush Prairie	2	4	5	2	0	0	2	3	4	0	3	1	0	2	2	0	30
Subtotal	10	18	13	7	4	6	8	10	6	2	6	9	9	10	11	2	131
South																	
Camas	1	0	0	1	4	1	1	1	4	2	2	0	1	0	0	0	18
Vancouver	4	3	2	3	3	2	2	4	5	5	3	4	6	8	5	10	69
Washougal	2	1	3	0	1	3	6	0	0	4	2	0	0	1	0	0	23
Subtotal	7	4	5	4	8	6	9	5	9	11	7	4	7	9	5	10	110
Out of County	0	0	4	2	2	1	0	5	2	5	1	2	6	0	3	1	34
Totals	23	43	34	27	27	33	32	31	23	25	19	28	27	26	30	18	446

When looking at the characteristics of the 15 households (Table 6), participants manage a total of 112 acres in Clark County (plus 1.6 in Lewis County), averaging 7.96 acres per property. Residence time on properties

Table 6: Graduate Property Characteristics**

	03	S04	F04	S05	F05	06	07*	08	09	10 ⁺	11 [^]	12	13	14	15	16	Total
# Graduates	23	43	34	27	27	33	32	31	23	25	19	28	27	26	30	18	428
# Properties	19	33	27	22	24	25	24	23	12	16	15	21	16	16	21	15	312
Ac Owned	Total Acreage	132	377	412	317	299	388	323	229	111	267	97	161	97	107	160	3477
	Avg Ac/ Property	8.3	11.1	15.3	14.4	12.5	15.5	14.7	10	9.3	16.7	7	8.5	5.1	6.7	7.6	10.9
	Smallest	2.5	2.5	2.3	5	1	1	2	1.6	0.8	1	0.2	.1	.2	1	.3	
	Largest	35	82	80.2	68	60	79	41	49	45	67	25	40	21	20	24.4	40
	< = 5 ac	7	13	11	7	7	8	13	12	8	6	7	10	11	10	11	141
	>5 - 10	7	13	3	8	9	11	6	3	2	1	5	6	4	3	5	86
	>10 - 20	1	5	5	4	4	2	1	6	1	3	1	1	0	3	4	41
Yrs On Land	> 20 ac	1	3	8	3	4	4	3	2	1	5	1	1	1	0	1	38
	Average	5.8	7.2	8.3	9.2	8.1	12	5.4	5.7	6	11	7.7	3.9	5.2	6.9	4.5	7.2
	Least	.1	0	0	0	.3	.1	0	0	.3	.3	.1	.1	0	0	.3	
Land with:	Most	8.5	34	38	40	34	66	17	26	30	40	32	15	20	20	22	18
	Septic System	14	31	25	21	23	24	22	22	10	10	12	18	15	14	18	279
	Well	11	27	25	17	21	23	20	16	9	10	8	16	10	11	15	239

** Not all graduates completed survey or provided all information.

* Excludes 3 ac outside Clark County. ^ Excludes 100 ac outside Clark County. ^ Excludes 2.5 ac outside Clark County.

averaged 5.95 years, with just one participant owning property for 15 years or more. One participant began the class still searching for land to buy. All class properties have septic tanks while 80% of properties use wells for potable water.

Pasture represents the largest single use of acreage by households (Table 7), followed by forest and hay. The most common reported use is vegetable production. Forty-seven percent of the households keep

Table 7: Types of Land Use On Graduate Properties

Land Use	Number of Graduate Properties (<i>Ac</i>)																Total	% Grad Properties
	F03	S04	F04	S05	05	06	07 ⁺	08	09	10	11	12	13	14	15	16		
Vegetable Production	12	26	23	13	17	17	16	17	9	11	12	13	12	9	13	9	229	70%
Orchard Production	7	20	17	10	10	13	15	14	5	10	10	10	11	5	10	6	172	52%
Landscape	12	20	15	10	11	12	9	14	2	4	8	4	6	6	4	5	141	43%
Wildlife	9	21	15	12	12	14	9	12	2	6	8	7	9	6	9	4	154	47%
Lawn	15	27	23	15	18	22	17	13	8	5	14	11	14	13	10	6	230	70%
Pasture	11	19	15	12	17	18	18	19	10	9	9	13	12	8	11	6	206	63%
<i>Acres*</i>	23	33	73	58	53	65	81	31	8	54	22	37	31	29	26	30	651	
Hay	2	6	8	6	2	3	1	5	2	3	1	1	2	1	3	1	47	14%
<i>Acres*</i>	2	39	18	23	5	12	n/a	52	5	8	2	N/A	11	18	2	10	206	
Forest	9	22	16	8	10	17	9	9	3	8	9	7	9	7	8	5	155	47%
<i>Acres*</i>	29	26	30	8	28	117	106	12	15	55	20	35	43	26	51	11	611	

* Understates total since not all participants listed acreage. + One parcel accounts for 52 acres.

livestock, primarily sheep, poultry, alpacas, horses, and a llama in descending order (Table 8). Two additional households intend to get animals after learning more.

LOL Class Session Evaluations.

Participants rated seven of 12 classes at 4.5 or above, and no classes below four (Table 9). Caroline Swansey and Gordon French's

Table 8: Livestock Owned

Animal	Number
Sheep	80
Poultry	34
Alpaca	16
Horse	4
Llama	1
Total	135

Table 9: Individual LOL Class Rating Summary

	Inventory 1	Inventory 2	Wells & Septic	Pastures	Soils 1	Soils 2	Weeds	Watershed Pollution	Animals Management	Grazing	Wildlife	My Place On a Stream	Business	Stewardship
Overall Score?	4.0	4.6	4.4	4.8	4.8	4.8	4.7	4.5	4.2	4.5	4.5	4.3	4.0	4.5
Percent of respondents answering YES														
Intend to use info? <i>N (NR)</i>	100% 12 (0)	100% 10 (0)	100% 12 (0)	100% 24 (0)	100% 13 (0)	100% 13 (0)	100% 11 (0)	100% 7 (0)	83% 5 (1)	88% 7 (1)	100% 5 (0)	67% 4 (2)	100% 8 (0)	100% 4 (0)
Learn something new? <i>N (NR)</i>	100% 12 (0)	100% 10 (0)	100% 12 (0)	100% 24 (0)	100% 3 (0)	100% 13 (0)	100% 11 (0)	75% 6 (2)	83% 5 (1)	100% 8 (0)	100% 6 (0)	71% 5 (2)	100% 8 (0)	100% 4 (0)

presentations on soils, along with Gene Pirelli about pastures garnered the highest ratings. Most to all respondents indicated that they would use the information provided and that they learned something new in the 12 classes.

Knowledge Increases. Participants were also asked how much they knew about each topic before and after the workshop using a scale of one to five: a response of one equals poor, two fair, three average, four good and five excellent. At least 50% of all respondents learned something in all 20 topic area (Table 10). Respondents gained the most knowledge about weed, grazing, wells and septic systems, and pasture management, where at least 82% reported increasing their knowledge on these topics. Few respondents increased their knowledge three or more levels, except for the topics of wells and septic systems, pasture management, weeds, and soils.

All respondents increased their knowledge at least somewhat when asked about the Clean Water program, indicating most were unaware of how Clark County collects and uses funds to improve our waterways. In general, the classes on *Business Opportunities* saw the smallest knowledge increase, with 33% to 67% not

gaining any knowledge. This may be attributable to the speaker who tended to skip around in his presentation.

Table 10: LOL Participant Change in Knowledge Levels

LOL Class	Knowledge Area	Before and After Class Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR) *
Inventory 1	Goal setting and taking a whole property view	17%	50%	17%	17%	0%	12 (6)
	Considering neighbors when setting property goals	33%	42%	17%	8%	0%	12 (6)
	Identifying assets on your property	33%	42%	17%	0%	8%	12 (6)
	Identifying problems on your property	18%	18%	64%	0%	0%	11 (7)
Inventory 2	The importance of photo documentation to successfully track your progress and mgmt plans	20%	20%	40%	10%	10%	10 (7)
	Considering financial resources in setting goals and planning the management of your property	50%	30%	20%	0%	0%	10 (7)
	Considering human resources in setting goals and planning the management of your property	20%	50%	30%	0%	0%	10 (7)
	Identifying limitations, both legal and non-legal, when setting property goals	20%	0%	50%	30%	0%	10 (7)
Wells & Septic	Knowledge of well and septic maintenance	9%	27%	18%	45%	0%	11 (3)
	How to keep my drinking water healthy	11%	44%	22%	22%	0%	9 (5)
	Protecting my septic system	8%	17%	42%	33%	0%	12 (2)
	How to properly inspect my septic system	8%	25%	33%	33%	0%	12 (2)
Pastures	Methods for renovating/reseeding pastures	0%	17%	42%	42%	0%	12 (10)
	Common grass/legume species for W WA pastures	0%	17%	50%	33%	0%	12 (10)
	Pasture management practices during fall and winter	0%	8%	50%	33%	8%	12 (10)
	Grazing management that encourages healthy grass and maximizes available forage	8%	25%	33%	33%	0%	12 (10)
Soils 1	Understanding soil structure, type and texture	14%	21%	29%	36%	0%	14 (2)
	Causes of erosion and how to minimize them	29%	50%	14%	7%	0%	14 (2)
	How to improve soils by adding amendments	21%	14%	57%	7%	0%	14 (2)
	How to properly test your soils	15%	23%	38%	23%	0%	13 (3)

Table 10 Continued

Soils 2	Understanding major nutrients for plant/soil health	14%	21%	29%	36%	0%	14 (2)
	How soil chemistry impacts soil health and available nutrients	29%	50%	14%	7%	0%	14 (2)
	Understanding soil tests	21%	14%	57%	7%	0%	14 (2)
	Benefits of soil life	15%	23%	38%	23%	0%	13 (3)
Weeds	What to consider when creating a weed management plan	9%	27%	27%	18%	18%	11 (4)
	Plant life cycles of weeds	9%	36%	27%	9%	18%	11 (4)
	Methods used to control weeds	0%	36%	45%	18%	0%	11 (4)
	Identifying weeds in our area	18%	27%	36%	0%	18%	11 (4)
Watershed Pollution & C.C. Codes	Why the Clean Water Program was formed	25%	25%	0%	38%	13%	8 (9)
	How the Clean Water Program collects and uses funds to improve our waterways	0%	25%	38%	38%	0%	8 (9)
	Clark County Codes that may affect what you can do on your property	25%	38%	38%	0%	0%	8 (9)
	Where to find answers on codes and permits in Clark Co	14%	57%	29%	0%	0%	7 (10)
Managing Animals	Understanding impacts animals have on our watershed	33%	0%	67%	0%	0%	6 (11)
	Managing runoff	0%	50%	17%	33%	0%	6 (11)
	Best Management Practices that reduce mud	0%	50%	33%	17%	0%	6 (11)
	BMPs for managing manure	17%	17%	50%	17%	0%	6 (11)
Grazing	Grazing management benefits and practices	11%	11%	67%	11%	0%	9 (1)
	Feed and forage needs of animals	11%	33%	56%	0%	0%	9 (1)
	Things to consider when evaluating hay	11%	0%	78%	0%	11%	9 (1)
	Body Condition Scoring	13%	25%	38%	0%	25%	9 (1)
Wildlife	How to create wildlife habitat	0%	33%	33%	33%	0%	6 (6)
	Ways to discourage unwanted wildlife	20%	40%	40%	0%	0%	7 (5)
	Native pollinators and their habitats	14%	57%	14%	14%	0%	5 (7)
	Resources available at the Clark Conservation District	0%	14%	71%	14%	0%	5 (7)
My Place On a Stream	Functions of riparian areas	50%	0%	50%	0%	0%	6 (6)
	Signs of a healthy/unhealthy stream	50%	33%	0%	17%	0%	6 (6)
	Practices for maintaining healthy streams	50%	33%	0%	17%	0%	6 (6)
	Tips for improving stream health	33%	67%	0%	0%	0%	6 (6)
Business	Evaluating resources for starting a business	44%	22%	33%	0%	0%	9 (4)
	Importance of goal setting & business planning	67%	22%	11%	0%	0%	9 (4)
	Resources available for small business entrepreneurs	33%	33%	33%	0%	0%	9 (4)
	What it takes to start a small business in agriculture	44%	22%	22%	11%	0%	9 (4)
Stewardship	What stewardship and sustainability mean for small acreage residents	0%	40%	40%	0%	20%	6 (5)
	Applying knowledge of LOL modules in a whole-farm approach	0%	60%	40%	0%	0%	6 (5)
	Developing short term actions to achieve long term goals	40%	20%	20%	20%	0%	6 (5)
	How to monitor and assess your progress	40%	20%	40%	0%	0%	6 (5)

* N = number of respondents; NR = number of non-respondents.

When asked what management practice they might implement with a year, participants indicated they would eliminate weeds, manage pastures better, compost, plant cover crops, inspect septic system regularly, lime their soils, and take animals off pastures when grass is three inches tall.

LOL Class Course Evaluations. Participants also evaluated the 12 week program as a whole (see evaluation forms, Appendix B). Respondents stated they learned useful information and the classes answered most of their questions (Table 11). Most thought the course length was just right with a few indicating it was a little too long. Several people would prefer to have a binder (which has been done in past classes) and to follow the learning objectives more closely. Some people had difficulty with not having the materials as reference.

Table 11: Overall LOL Program Evaluation Summary

Evaluation Question	Average
What overall score would you give this program?	3.8
How much will you use this information to change your practices?	3.7
	% YES N (NR)
Did the program series answer most of your questions?	100% 6 (5)
Did you learn useful information?	100% 6 (5)

Issues and Recommendations

The program will consider printing material for binders since several participants mentioned the current printed materials seemed insufficient.

Task 2b – Well and Septic Maintenance Workshops

The Program held four well and septic maintenance workshops in 2016. Participants with gravity septic systems can use this class to pass a test allowing them to self-inspect their septic system. The first workshop attracted 46 participants to the Prairie High Auditorium on August 23, while seven public participants (in addition to 14 LOL participants) attended the workshop at the Clark County Public Works Ops Center on September 15. Sean Hawes of the Public Health Department presented on septic maintenance and demonstrated how to properly inspect a septic system, while Brigitte Bashaw presented on well maintenance (Table 12).

Table 12: Well & Septic Workshop Attendance

Date	Location	Time	Attendance
February 23	C.C. Public Works Ops Center	6:00 – 9 pm	29
June 15	C.C. Public Works Ops Center	6:00 - 9 pm	32
August 23	Prairie High School	6:00 – 9 pm	46
September 15*	C.C. Public Works Ops Center	6:00 - 9 pm	21
Total Attendance			128

* Public attendees in addition to 14 Living on the Land class participants.

The program publicized the workshop with e-mails to WSU Extension listservs, the Small Acreage Facebook page, the WSU Extension website, and flyers at all program workshops and events (Appendix C). The Coordinator ran one paid advertisement in the Reflector for the August 23 workshop. Most of the

participants indicated they learned about the workshop through email. The program charged \$15 per household to help cover costs.

The August 23 workshop agenda divided the class into three sections, an introduction PowerPoint on how well and septic maintenance impacts water quality, a PowerPoint presentation, video and Q&A on septic maintenance and inspection, and presentation on well maintenance and safety (Table 13). The Washington Department of Health created the videos for participants to use as a reference.

Table 13: Well & Septic Workshop Agenda

Time	Topic
20 min	<i>Introduction</i> – How my management practices impact water quality
35 min	<i>Septic System Maintenance</i> – Components of a septic system / How septic systems work / Different types of septic systems / Maintaining your septic system / Causes of septic failure
50 min	<i>Septic System Inspection Videos</i> – Safety procedures for inspecting a septic system / How to make simple inspection tools / How to measure scum and sludge / How to know when a system needs to be pumped / How to report your inspection to C.C. Public Health / Q & A
10 min	<i>Break</i>
60 min	<i>Protecting Household Drinking Water</i> - Watersheds and water quality / Where does Clark County's water come from? / Testing Drinking Water / Protecting Well Water Supplies / Q & A
5 min	<i>Evaluations and Septic Inspection Exam</i>

One hundred twenty-eight participants attended the workshops and 86 participants (67%) returned evaluations (Table 14). Most intend to use the information and thought it answered their questions. Evaluations from the public were not separated from Living on the Land participants in the September 15

Table 14: Wells & Septics Workshop Evaluation

% Yes N (NR)	Feb 2	June	Aug 23	Sept 15
Do you intend to use any of this information?	100% 20 (9)	100% 23 (9)	100% 29 (17)	100% 12 (9)
Was the septic inspection component sufficient?	100% 20 (9)	100% 23 (9)	97% 29 (17)	N/A
Was this program understandable?	100% 20 (9)	100% 23 (9)	100% 29 (17)	N/A
Did the program answer your questions?	100% 20 (9)	100% 23 (9)	100% 29 (17)	N/A
Was this program worth your time?	95% 20 (9)	100% 23 (9)	93% 29 (17)	N/A
Average	99%	100%	98%	
Participants (n)	29	32	46	21
Evaluations completed	20	23	29	14
Percent completed evaluations	69%	71%	63%	67%

workshop, so results appear combined with the LOL data. In the three workshops measured, almost all respondents felt the septic inspection component was sufficient and that the program was worth their time. Participants' comments also expressed positive feedback:

"The program made me understand the proper way to inspect my tank and the reasons why."

"The presenters were extremely knowledgeable and enthusiastic about helping homeowners with their systems."

"[The workshop] gave me knowledge to know how septic systems can be inspected."

Participants also rated their knowledge (1 to 5) of topics before and after the workshop (Table 15). Averaged across all workshops, at least 72% learned something about all topics discussed, while at least 84% of respondents learned at least something about well and septic maintenance. Another 76% increased their knowledge at least two levels about how to properly inspect a septic system. Fifty-eight percent of respondents also increased their knowledge at least two levels about well and septic system maintenance and about protecting their septic system.

Table 15: Well & Septic Workshop - Change in Knowledge Level

Workshop	Knowledge Area	Before and After Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
Feb 23	Knowledge of well & septic maintenance	10%	35%	30%	25%	0%	20 (9)
	Keeping my drinking water healthy	21%	26%	42%	11%	0%	19 (10)
	Protecting my septic system	10%	35%	30%	20%	5%	20 (9)
	How to properly inspect my septic system	5%	15%	50%	20%	10%	20 (9)
	How my management practices impact clean water	32%	11%	53%	5%	0%	19 (10)
June 15	Knowledge of well & septic maintenance	24%	24%	29%	24%	0%	21 (11)
	Keeping my drinking water healthy	14%	57%	29%	0%	0%	7 (25)
	Protecting my septic system	23%	32%	23%	23%	0%	22 (10)
	How to properly inspect my septic system	18%	9%	36%	27%	9%	22 (10)
	How my management practices impact clean water	29%	33%	29%	10%	0%	21 (11)
August 23	Knowledge of well & septic maintenance	15%	15%	58%	12%	0%	26 (20)
	Keeping my drinking water healthy	14%	57%	29%	0%	0%	7 (39)
	Protecting my septic system	13%	25%	50%	8%	4%	24 (22)
	How to properly inspect my septic system	13%	8%	38%	25%	17%	24 (22)
	How my management practices impact clean water	24%	33%	33%	10%	0%	21 (25)
Sept 15	Knowledge of well & septic maintenance	9%	27%	18%	45%	0%	11 (3)
	Keeping my drinking water healthy	11%	44%	22%	22%	0%	9 (5)
	Protecting my septic system	8%	17%	42%	33%	0%	12 (2)
	How to properly inspect my septic system	8%	25%	33%	33%	0%	12 (2)
	How my management practices impact clean water	n/a	n/a	n/a	n/a	n/a	n/a
Average	Knowledge of well & septic maintenance	16%	26%	38%	20%	0%	78 (43)
	Keeping my drinking water healthy	17%	40%	33%	10%	0%	42 (79)
	Protecting my septic system	14%	28%	36%	19%	3%	78 (47)
	How to properly inspect my septic system	12%	13%	40%	26%	10%	78 (43)
	How my management practices impact clean water+	28%	26%	38%	8%	0%	61 (46)

*N = number of responses; NR = no response; + Does not include September 15, question not asked.

Issues and Recommendations

All four workshops were implemented. Participants who do not have a well are not required to stay for the second half of the workshop which exclusively covers that topic. From previous workshops, the Coordinator noticed poorer than usual knowledge change on the well questions so he explained to those leaving after the septic portion not to answer the second knowledge change question, “Keeping my drinking water healthy”. This explains the low N.

With the Coordinator's resignation, the Director took over programming responsibilities for the September workshop and did not separate evaluations for general public participants.

Longitudinal Septic System Workshops Follow-up Survey: 2012-2016

A short follow-up survey continues to be sent out and encompasses participants at septic classes through June 2016. Given the low response rate for the 2016 and 2015 attendees, a second round of surveys will be sent out when the next follow-ups are mailed out in late summer.

There were 397 workshop participants (360 households=HH) during this time frame, of which 147 people responded (37%). Of these respondents, 87% installed at least one of the 11 management practices taught in the workshop. Sixty percent inspected their septic systems (Table 16) and 31% reduced chemical usage.

Table 16: Septic Class Practices Installed 2012-2016

Practice Installed	Number	% of Respondents
Inspected septic	88	60%
Reduced chemicals going into septic system	45	31%
Installed risers on septic	18	12%
Keep animals/vehicles off drain field/septic	17	12%
tested well water	16	11%
Improved well head protection	10	7%
Checked well head	9	6%
Cleaned up well head area	3	2%
Planted septic friendly plants on drain field	3	2%
Stopped directing runoff to drain field	2	1%
Shock chlorinate well	0	0%

Task 2c – Best Management Practices Workshops

The Program held two BMP workshops in the third quarter. The first, *Good-Bye Mud: Winter Paddock Design*, attracted 13 participants and was held at the 78th Street Heritage Farm on August 18. The second, *Pasture Establishment and Renovation*, attracted six people and took place on September 22 as part of the Living On the Land class.

The program promoted the workshops through e-mails to WSU Extension listservs, the Small Acreage Facebook page, the WSU Extension website, and flyers at all program workshops and events (Appendix C). Most of the participants learned about the workshops through email. Attendees paid \$10 per person for the workshops to help cover material costs.

Clair Klock from Clackamas SWCD instructed the winter paddock design workshop. The program covered practices to manage stormwater, benefits of managing stormwater, planning a winter paddock, and maintaining a winter paddock.

Gene Pirelli of OSU Extension, an excellent and informative speaker over the years, presented the *Pasture Establishment and Renovation* workshop. Topics included how grass grows, renovation and establishment methods, grass and legume species, and management practices for pasture sustainability (e.g., keeping animals off pasture in the winter, and how to prevent runoff).

Participants completed evaluations that expressed their intent to use the information, whether they learned something new, and what overall score they gave the winter paddock workshop. Evaluations for the pasture workshop were not separated from the LOL class. The overall rating for the winter paddock workshop was 4.2 out of 5 (scale of one to five, with five being the highest) and 4.8 for Gene Pirelli's talk. Almost all respondents indicated that they learned something new and that they intend to use the information provided in both workshops (Table 17).

Table 17: Evaluation Summary for BMP Workshops

Question	Mud 8-18	Pasture 9-22*
What overall score would you give this event?	4.2	4.8
% Yes N (NR)	% Yes	% Yes
Do you intend to use any of the info provided?	100% 10 (3)	100% 12 (10)
Did you learn something new or how to do others differently?	89% 9 (4)	100% 12 (10)
Participants (n)	13	22
Evaluations completed (as %)	10 (77%)	12 (55%)

* Combined LOL class and general public.

Participants also estimated their knowledge (1 to 5) of topics before and after the workshop. At least 60% of respondents learned something to a lot about designing winter paddocks (Table 18), while 70% increased their knowledge two levels or more about utilizing heavy use areas and footing materials for livestock, the BMP focus of the workshop. Half the respondents increased their knowledge two or more levels about how management practices impact water quality. Almost all respondents reported increasing their knowledge about renovating and reseeding pastures.

Table 18: BMP Workshops - Change in Knowledge Levels

Knowledge Area	Before and After Workshop Knowledge Change (As percent of respondents ⁺)					
	Same	1	2	3	4	N (NR)*
Winter Paddock Design						
General mud and runoff management	20%	40%	20%	10%	10%	9 (3)
Utilizing heavy use areas and footing materials for livestock	10%	20%	50%	0%	20%	9 (3)
Different methods to capture and route runoff	20%	40%	20%	10%	10%	9 (3)
How property mgmt. practices impact water quality	40%	10%	40%	0%	10%	9 (3)
Pasture Establishment & Renovation ++						
Methods for renovating/reseeding pastures	0%	17%	42%	42%	0%	12 (10)
Common grass/legume species for Western WA	0%	17%	50%	33%	0%	12 (10)
Pasture mgmt. practices for fall & winter	0%	8%	50%	33%	8%	12 (10)
Grazing mgmt. that encourages healthy grass & maximizes available forage	8%	25%	33%	33%	0%	12 (10)

* N = number of responses; NR = no response; + May not equal 100% due to rounding

++ Combined LOL class and general public.

Issues and Recommendations

With the Coordinator's resignation, the Director took over programming responsibilities for the September 22 pasture workshop and did not separate public evaluations from LOL class participants.

The program did not complete one workshop due to lack time on the Director's part and the inability to hire a new coordinator in a timely fashion due to problems in the WSU hiring process.

Longitudinal BMP Workshop Follow-up Survey: 2012-2015

A short follow-up survey continues to be sent out and encompasses participants at BMP workshops through 2015. Of the 235 workshop participants (201 households=HH) during this time, 28.5% responded (61 people). Of these respondents, 69% installed at least one of the 17 management practices taught during the workshops. Over 24% installed gutters, started composting manure, installed fencing, and installed a sacrifice area (Table 19). The remaining 76% implemented 44 practices from among the other 13 BMPs.

**Table 19: BMP Workshop Practices Installed
2012-2015**

Practices	Number	% of Respondents
compost/cover manure	21	31.3%
sacrifice area/mud	18	26.9%
fencing	18	26.9%
gutter	16	23.9%
gen rainwater mgmt	13	19.4%
weed mgmt	7	10.4%
rotational grazing	5	7.5%
riparian area mgmt	6	9.0%
wildlife	2	3.0%
erosion control	3	4.5%
pastures	3	4.5%
compost (non-animal)	2	3.0%
soil mgmt	1	1.5%
septic/well	1	1.5%
animal mgmt	1	1.5%
goals/planning	0	0.0%
other	0	0.0%

Task 2d – Outreach Events and Promotional Activities

Clark County Fair. The Small Acreage Program's static display at the Clark County Fair featured a miniature model farm property created by a former Watershed Steward volunteer. Forty-seven people asked to be added to the program listserv, a 62% increase from 2015.

Clark Conservation District Plant Sale. The program provided factsheets and flyers promoting the Small Acreage Expo at the Clark Conservation District annual plant sale in February at the CASEE Center in Brush Prairie.

Small Acreage Expo. The eleventh annual *Small Acreage Expo* was hosted at the 78th Street Heritage Farm on Saturday, April 11th. Speakers presented on 13 different topics, including riparian protection, native plants, rain barrels, vermicomposting and pasture management (Table 20). Nine topics related directly to stormwater management, natural resource protection, or other goals undertaken by Clark County's Department of Environmental Services. Participants selected from three or four concurrent classes during each session.

Table 20: Small Acreage Exposition Schedule

	Time	Session	Title	Speaker(s)
Session A	9:00 to 10:15	A1	Farm to Fermentation	Karen Puyleart, Purely Primal
		A2	The Best of PNW Native Plants	Andrew Fraser, Clark CPU AmeriCorps
		A3	Learn to Love Your Clay!	Gordon French, LJC Feeds
Session B	10:30 to 11:45	B1	Living On a Stream	Anitra Gorham, NRCS
		B2	Septic Inspection Certification	Sean Hawes, C.C. Public Health
		B3	Weed'em and Reap	Kara Hauge, C.C. Vegetation Management
		B4	Gearing Up for Goats	Amy Blankenship, C.C. Goat Association
	11:45 to 12:45		Open House, Lunch	
Session C	12:45 to 2:00	C1	Garden Soil Testing & Plant Nutrition	Martha Minnich, Master Gardener
		C2	Spring-Up Your Pasture!	Gene Pirelli, OSU Extension
		C3	Mobile Poultry Processing	Denise Smee, Clark Conservation District & Larry Giberson, Giberson's Plush Poultry
Session D	2:15 to 3:30	D1	Raising Pigs for Small Farms	Gene Pirelli, OSU Extension
		D2	DIY Rain Barrels	Rob Bacon, WSU Master Gardener
		D3	Composting with Worms	Joan Veach, Master Composter/Recycler
		D4	Mobile Poultry Processing (con't)	Denise Smee, Clark Conservation District & Larry Giberson, Giberson's Plush Poultry

The coordinator planned classes in four tracks to encourage people to stay the whole day and to equalize registration for sessions during a given time. For the second year in a row, no classes were canceled due to low registration numbers or speaker cancellations. Overall, participation varied from 16 to 45 participants per class.

Participants received check-in packets of handouts on small acreage property management, a schedule of Expo classes (Appendix E), information on upcoming events, and program promotional materials. The program charged \$15 for pre-registration and \$25 for walk-ins, both of which included lunch from a local caterer. The Coordinator arranged an open house for ten organizations to set up booths or provide informational materials. Master Composter Joan Veach held a soil cube demonstration during the lunch hour.

The event attracted 109 attendees, twelve more than last year. Seventy-two participants submitted evaluations for the event as a whole, a return rate of 66% (Table 21). Door prize tickets were offered once

Table 21: Overall Event Program Evaluation

	Average	N (NR) *
What overall score would you give this event?	4.7	70 (39)
Answering yes:		
Did you learn something new as a result of the classes you attended?	100%	71 (38)
Did you learn information that will be useful to make improvements at home?	100%	71 (38)
Do you intend to use this information to change what you do?	97%	70 (39)
Would you recommend this event to others?	100%	71 (38)
Overall Average	99%	
Attendance	109	
Evaluations Completed	72	
Percent Returned Evaluations	66%	

*N = number of responses; NR = no response

again in exchange for completing evaluations, an effort to encourage a higher return rate. Donations for door prizes valued at \$400 were made by Columbia River Carbonates, Wilco, and the Master Gardener Foundation.

Respondents rated the event overall an average of 4.7 on a scale of one to five, five being the highest. All respondents indicated they had learned something new and intend to use the information learned to change what they do at home.

Individual Expo Sessions. Participants assessed their learning (Table 22) for all of the individual sessions and indicated whether the information they learned would be used to change their practices at home. Due to the open nature of the sessions, participant counts cannot be entirely accurate, but the

Table 22: Small Acreage Expo Participant Change in Knowledge Levels

Expo Session	Knowledge Area	Before and After Class Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
Farm to Fermentation	Probiotic rich foods	13%	22%	35%	30%	0%	23 (2)
	The process of lacto fermentation	4%	17%	26%	43%	9%	23 (2)
	Local vegetables suitable for lacto fermentation	9%	27%	14%	45%	5%	22 (3)
	Will you use any of the information to change what you do at home?		Yes 96%		No 4%		23 (2)
The Best of PNW Native Plants	Plant suggestions for the garden	12%	19%	31%	29%	10%	42 (0)
	Habitat preferences for various native plants	10%	19%	21%	38%	12%	42 (0)
	Best planting techniques and practices	13%	21%	31%	28%	8%	39 (3)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%		41 (1)
Learn to Love Your Clay	Attributes of clay soil	0%	29%	33%	33%	4%	24 (6)
	Building soil tilth	0%	33%	29%	29%	8%	24 (6)
	Timing and application methods for adding soil amendments	0%	24%	32%	24%	20%	25 (5)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%		26 (4)
Living On a Stream	Why protecting streams and riparian areas is important	0%	60%	20%	20%	0%	10 (8)
	Best management practices for protecting streams	0%	45%	27%	9%	18%	11 (7)
	Additional resources available for landowners	17%	17%	25%	33%	8%	12 (6)
	Will you use any of the information to change what you do at home?		Yes 64%		No 36%		11 (7)
Septic Inspection Certification	The importance of inspecting your septic inspection	7%	43%	14%	29%	7%	14 (9)
	How to properly inspect your septic system	0%	31%	23%	31%	15%	13 (10)
	How often your septic inspection should be inspected	29%	29%	21%	14%	7%	14 (9)
	Will you use any of the information to change what you do at home?		Yes 92%		No 8%		13 (10)

* N = number of respondents; NR = estimate of non-respondents, based on registration for each session. Due to the open nature of the event, participants may elect to attend classes other than what they registered for.

Table 22 continued

Weed'em and Reap	Properly identifying problem weeds in Clark County	0%	26%	56%	11%	7%	27 (3)
	Using an IPM strategy for controlling weeds	15%	23%	27%	23%	12%	26 (4)
	Using herbicides safely	22%	33%	11%	19%	15%	27 (3)
	Will you use any of the information to change what you do at home?		Yes		No		27 (3)
		96%		4%			
Gearing Up for Goats	Selecting a goat breed	15%	19%	37%	30%	0%	27 (4)
	Housing and space needs for goats	0%	11%	41%	41%	7%	27 (4)
	Goat fencing and stocking rates	0%	26%	26%	41%	7%	27 (4)
	Will you use any of the information to change what you do at home?		Yes		No		24 (7)
		88%		12%			
Garden Soil Testing & Plant Nutrition	Chemical, biological and physical effects of soil organic matter	11%	25%	36%	28%	0%	36 (9)
	Signs and symptoms of plant nutrient deficiencies	3%	22%	41%	35%	0%	37 (8)
	How to interpret and use soil test results	3%	25%	42%	28%	3%	36 (9)
	Will you use any of the information to change what you do at home?		Yes		No		38 (7)
		92%		8%			
Spring-Up Your Pasture	Pasture management practices throughout seasons	13%	19%	25%	31%	13%	16 (4)
	Fertilization practices and timing	19%	19%	19%	44%	0%	16 (4)
	Seasonal constraints when managing pastures	19%	6%	19%	38%	19%	16 (4)
	Will you use any of the information to change what you do at home?		Yes		No		15 (5)
		100%		0%			
Mobile Poultry Processing	Preparing birds for slaughter	8%	8%	25%	25%	33%	12 (14)
	Safe and humane slaughtering practices	8%	17%	17%	17%	42%	12 (14)
	Using the Clark CD Mobile Poultry Processing Unit	8%	0%	8%	33%	50%	12 (14)
	Will you use any of the information to change what you do at home?		Yes		No		11 (15)
		91%		9%			
Raising Pigs for Small Farms	Selecting breeds	14%	36%	29%	14%	7%	14 (10)
	Swine health and nutrition	0%	13%	25%	63%	0%	16 (8)
	Basic swine husbandry	8%	31%	23%	38%	0%	13 (11)
	Will you use any of the information to change what you do at home?		Yes		No		14 (10)
		71%		29%			
DIY Rain Barrels	Why stormwater management is important	11%	30%	33%	15%	11%	27 (5)
	Assembling and placing rain barrels	7%	14%	32%	29%	18%	28 (4)
	Uses for collected rainwater	18%	14%	43%	14%	11%	28 (4)
	Will you use any of the information to change what you do at home?		Yes		No		28 (4)
		89%		11%			
Composting With worms	The benefits of vermicomposting	10%	10%	10%	50%	20%	10 (6)
	What you need to set up a vermicomposting system	10%	10%	10%	50%	20%	10 (6)
	Caring for worms and maintaining a vermicomposting system	20%	0%	10%	50%	20%	10 (6)
	Will you use any of the information to change what you do at home?		Yes		No		11 (5)
		91%		9%			

* N = number of respondents; NR = estimate of non-respondents, based on registration for each session. Due to the open nature of the event, participants may elect to attend classes other than what they registered for.

counts are based off of headcounts by the Coordinator or Director at a given time during the session. For some sessions, the evaluations returned are so few that no general interpretations can be drawn.

The majority of respondents from all classes reported increasing their knowledge about most topic areas in the workshops. Overall, 92% of all respondents across all sessions indicated that they would use the information learned to change practices at home. For the participants who responded, evaluation results indicate the Expo provided useful and valuable information.

Karen Puylear, health food professional and blogger at Purely Primal, gave a presentation fermenting foods and beverages with an emphasis on using local, seasonal produce. Respondents indicated learning most about the process of lacto fermentation and local vegetables suitable for lacto fermentation, with at least half reporting knowledge increases of three levels or more. Karen provided good information for this popular general interest topic, in which 96% of respondents said they'd use at home.

Clark Public Utilities AmeriCorps member Andrew Fraser gave a talk on using native plants, which was the second most popular session with 42 attendees. The presentation covered some recommended native plants, their habitat, and planting tips. Across all three topics, at least 66% of respondents indicated knowledge increases of two levels or more. Andrew presented the content in an applicable way, with 100% of respondents saying they will use the information at home.

Gordon French, LJC Feeds owner and soils expert, returned again this year to present about building soil and adding amendments. The presentation was similar to previous years' 'Get the Low Down On Lime', but with more of an emphasis on soil structure. According to the evaluations, participants learned the most about timing and application methods for adding soil amendments, with 76% of respondents indicating increasing their knowledge two levels or more. All respondents learned something about all topics survey and all respondents said that they would use the information to change what they do at home. Gordon provides a high quality presentation providing information landowners require to improve soil health; an important factor in growing good forage, limiting weeds, and creating a natural filtration system for runoff.

Anitra Gorham, NRCS, presented to 18 people on ways to protect streams and riparian areas. All respondents indicated knowledge increases about the importance of protecting streams and BMPs used to do so. It appears the greatest knowledge gains were achieved covering resources available for stream protection with 66% increasing their knowledge by two levels or more. However, only 64% of respondents indicated they would use the information at home, the lowest among all sessions.

Sean Hawes, Clark County Public Health, presented on septic system maintenance and inspection. Participants with gravity fed systems could take a test at the end of the workshop to get certified to inspect their own system. The session appeared to clarify how to properly inspect a septic system since 69% of respondents showed knowledge increases of two levels or more on that topic. Fifty percent of respondents increased their knowledge at least two levels on the importance of doing inspections. The inspection certification class remains popular and provides an excellent opportunity to introduce a broad range of small acreage landowners to the Small Acreage Program and other topics at the Expo.

Kara Hauge, Clark County Environmental Services Vegetation Management program, presented on controlling noxious, toxic and invasive weeds using an IPM approach. All respondents increased their knowledge about identifying problem weeds in Clark County and 96% reported they will change their land management. Sixty-two percent of respondents reported an increase in knowledge of at least two levels about using and IPM strategy.

Amy Blankenship, Clark County Goat Association, gave a presentation on the basics of getting set up to keep goats. At least 67% of respondents increased their knowledge by two levels or more on all topics, with 48% reporting increases of at least three levels on the topics of space requirements and housing. Over the past years, the Clark County Goat Association has provided quality presentations that are popular and a good way to introduce people to the Small Acreage Program.

Master Gardener Martha Minnich presented on soil testing and plant nutrition in vegetable gardens for the second year in a row; it was the best attended with 45 participants. At least 64% of respondents increased their knowledge two levels or more for all topics surveyed. Ninety-two percent of respondents said they would use the information provided to change what they do at home, up 4% from the previous year.

OSU Extension forage specialist, Gene Pirelli, helped out with two presentations, the first on spring pasture management. The session drew 20 participants and among respondents, at least 62% of respondents reported increasing their knowledge by two levels or more about all topics surveyed. All respondents indicated they will use the information provided to change what they do at home.

Denise Smee, Clark Conservation District, and Larry Giberson, 4-H leader and owner of Giberson's Plush Poultry, gave a two session demonstration on using slaughtering poultry using the Conservation Districts mobile processing unit. The session was the second part of a small farm workshop on raising meat poultry held in the first quarter. Though the evaluation return rate was low (46%), the demonstration knowledge increases among respondents was impressive with at least 58% indicating three or four levels of increase among all topics. Ninety-one percent said they would use what they learned at home.

Gene Pirelli's second session on raising pigs for small farms attracted 24 participants. Respondents increased their knowledge most on the topic of swine health, with 88% increasing two levels or more. However this session ranked second to last for percentage of participants intending to use the information at home with 71% indicating they will.

Master Gardener and former Watershed Steward, Rob Bacon, presented on rain barrels with a focus on stormwater management. Eighty-nine percent of respondents increased their knowledge about why stormwater management is important, but the topic producing the most knowledge increase was about assembling and placing rain barrels, in which 93% of respondents reported an increase.. Eight-nine percent indicated they would use the information to change what they did at home.

Joan Veach, Master Composter Recycler, returned to give a presentation on vermicomposting, last presented in 2014. Seventy percent of respondents reported increasing their knowledge by three or four levels for all topics. Ninety-one percent said they would use the information to change what they do at home.

Overall, evaluation return rates for all sessions of 81% returned to a normal rate after dropping to 67% in 2015 due to a lack of helpers and volunteers to remind attendees to turn in completed surveys after each class. The Coordinator hired one temporary employee, was assisted by a DES WSUV intern and recruited volunteers in exchange for free entry. The abundance of help made the event run very smoothly.

Promotion. The Coordinator distributed flyers at outreach events and workshops, sent e-mails to all WSU Extension listservs, posted the Expo program and registration on the WSU Extension and Small Acreage web pages and Facebook page. Paid advertisements were placed in *The Reflector* in March. Press releases were submitted to all local media (Appendix E).

Harvest Celebration. The 18th annual Clark County Harvest Celebration took place on Saturday September 17 from 10 am to 3 pm. The event showcased ten farms, including three properties who earned “Doing Our Part for Clean Water” signs. New additions to this year’s Harvest Celebration were Green Jungle Farm and Helen’s Dahlias. Poor weather hurt total farm visits compared to last year with a 65% reduction in visitors to farms (Table 23). Some of the farms did not have volunteers for all or part of the day to count visitors so attendance numbers are likely under reported. Every farm displayed a poster highlighting its features. Each two clean water signage farms displayed an additional poster highlighting the BMP’s they have implemented on their properties.

Table 23: 2016 Harvest Celebration Attendance

Farm	Visitors
White Oak Alpacas	32
Yacolt Mt. Farm <i>(clean water signage)</i>	62
Coyote Ridge	42
Compass Rose Alpacas <i>(clean water signage)</i>	39
Green Jungle Farm	38
Botany Bay Farm	105
Half Moon Farm	58
Helen's Dahlias	26
Velvet Acres Gardens	56
Conway Family Farm <i>(clean water signage)</i>	22
Total	480

+ Some farm's numbers were estimated due to volunteers leaving early.

The program publicized the event at other Small Acreage program events, using WSU Extension listservs, the Small Acreage program Facebook page, flyers at local feed stores and libraries, press releases to the *Columbian*, the *Oregonian*, the *Reflector*, and the *Post Record*, as well as a paid advertisement in the *Reflector* (Appendix F). The program also created a Google Map showing the participating farms and a description about them.

Issues and Recommendations

There are none at this time.

Task 3 - Merit and Model Small Acreage Properties

Task 3a – Property Tours

Two property tours took place in the second quarter, one on August 9 at Conway Family Farm in Camas and another on September 10 at Five Sprouts Farm in Battle Ground. The Conway Family Farm tour attracted nine participants and highlighted pasture management, practices for controlling runoff, manure composting, and weed management. The Five Sprouts Farm tour attracted six participants who learned about highlighted native plants, improving riparian areas, composting, weed management, and ways to control stormwater. A third tour at Northwest Organic Farms was scheduled for September 24, but was cancelled due to low registration. The tour was to be conducted in Spanish.

The Coordinator promoted the tours through flyers at program events, the listserv, Facebook and press releases (Appendix G). Most participants heard about the tours through email and Small Acreage Program events.

Seven participants returned evaluations at the August 9 tour and ranked the tour an average score of 4.5 on a scale of one to five, with five being the highest (Table 24). All respondents at the August 9 tour indicated that they learned something new and intend to use that information. Respondents also listed practices they might implement within the next year. Two will practice better pasture management and two will improve manure management.

Table 24: Model Property Tour Evaluation Summary

Question	Aug 9	Sept 10
Overall, what score would you give this tour?	4.6	4.7
	% Yes	%Yes
Did you learn something new or how to do other differently?	100%	100%
Do you intend to learn any of the information provided?	100%	100%
Participants	9	6
Evaluations completed	7	3
Percent completed evaluations	78%	50%

+N = number of responses; NR = no response

The September 10 tour respondents ranked the event 4.7 and all participants indicated that they learned something new and would change their practices at home. Only three participants returned evaluations.

When asked to assess what they learned during the August 9 tour, half of respondents increased their knowledge about pasture management by two levels or more (Table 25). Seventy-one percent reported learning something about manure management and 43% increased knowledge about how management practices impact clean water.

Table 25: Model Property Tour Participant Knowledge Change

Knowledge Area	Before and After Tour Knowledge Change (As percent of respondents)					
	0	1	2	3	4	N (NR)*
August 9 – Conway Family Farm						
Knowledge of pasture management	33%	17%	33%	17%	0%	7 (2)
Knowledge of manure management	29%	43%	14%	14%	0%	7 (2)
Ways to manage runoff and control mud	67%	17%	17%	0%	0%	7 (2)
How management practices impact water quality	57%	14%	14%	14%	0%	7 (2)
September 10 – Five Sprouts Farm						
Knowledge of pasture management	33%	33%	33%	0%	0%	3(3)
Knowledge of manure management	67%	33%	0%	0%	0%	3(3)
Ways to manage runoff and control mud	67%	33%	0%	0%	0%	3(3)
How management practices impact water quality	100%	0%	0%	0%	0%	3(3)

**N = number of responses; NR = no response*

Sixty-seven percent of respondents from the September 10 tour indicated a knowledge increase about pasture management, however none increased their knowledge of how management practices impact clean water.

Issues and Recommendations

Fifteen people registered for the August 9, but only nine attended.

The September 10 tour coincided with the departure of the Coordinator, the start of Living On the Land and a number of other events which may have contributed to the low numbers on the tour.

The program held two of three planned tours. The September 24 tour was planned to be in Spanish to target the Latino population, an underserved group which proved difficult to reach out to. The few Spanish language publications have long lead times for advertising which was not possible to meet given the short amount of time the Director had to advertise after the Coordinator's departure. Future events targeting the Latino population will need a more intensive marketing effort to get the word out more effectively.

Longitudinal Tour Follow-up Survey: 2012-2015

A short follow-up survey continues to be sent out and encompasses participants at tours through 2015. Given the low response rate for 2015 attendees, a second round of surveys will be sent out when the next follow-ups are mailed out in late summer.

There were 182 workshop participants (116 households=HH) during this time frame, of which 61 people responded (33.5%). Of these respondents, 59% installed at least one of the 17 management practices taught in the tours. Over 21% installed gutters, started composting manure, and installed a sacrifice area (Table 26) The remaining third implemented 31 practices from among the other 14 BMPs.

Table 26: Tour Practices Installed 2012-2015

Practices	Number	% of Respondents
gutter	14	23.0%
compost/cover manure	13	21.3%
sacrifice area/mud	13	21.3%
fencing	8	13.1%
gen rainwater mgmt	6	9.8%
rotational grazing	4	6.6%
other	4	6.6%
wildlife	3	4.9%
weed mgmt	2	3.3%
animal mgmt	2	3.3%
pastures	2	3.3%
soil mgmt	2	3.3%
septic/well	2	3.3%
goals/planning	2	3.3%
erosion control	1	1.6%
riparian area mgmt	1	1.6%
compost (non-animal)	0	0.0%

Task 3b – Signage Recognition

The program completed four of the six stipulated property assessments in 2016. Of the three properties assessed in the first quarter, program awarded two signs to landowners based on their good management practices.

The Coordinator visited one local small acreage property during the third quarter, which qualified for a sign. The property owners graduated from *Living On the Land* in 2014 and has implemented all applicable BMPs. The property is located in an equine community in Battle Ground and the landowners are enthusiastic about sharing what they've learned with others.

The Coordinator promoted participation in the signage recognition program to farms on the Harvest Celebration, participants in the LOL class, at workshops and tours, and during outreach events.

Issues and Recommendations

With the departure of the Coordinator and delayed hiring process, no further property assessments occurred in 2016, resulting in only 4 of 6 promised assessments being completed done. Finding willing landowners who want an assessment continues to be difficult. The program will explore promotional avenues that reach beyond previous participants in Extension programs.

Task 5 - Small Farms

Task 5a – Agricultural Entrepreneurship and Business Planning

The Program organized its ninth *Agricultural Entrepreneurship and Business Planning* class series. Participants learn about business planning, marketing methods and opportunities, and how to develop or expand a small farm business. They produce a completed business plan by the last class and present their business plan to the class on the final evening. Farmers and various small business specialists serve as guest speakers, bringing valuable practical experience to the class. The ten-week class series began January 13 and ended March 16.

The schedule included changes from 2015 in instructors for the topics of insurance, digital marketing, conducting research, and taxes, licenses and payroll. In addition, two different guest farmers, one new and one from previous years, presented on marketing farm education and building a farm business (Table 27).

Table 27: Agricultural Entrepreneurship Course Schedule

Date	Topic	Instructor(s) & Guest Speakers
Jan 13	Introduction - Business Planning Basics <i>Vision, goals & mission statement</i>	Eric Lambert, WSU Clark County Extension
Jan 20	Market Analysis: <i>Direct Marketing, Conducting Research</i>	Colleen Donovan, WSU Small Farms Program Jennifer Hauan, Fort Vancouver Research Librarian
Jan 27	Direct Marketing: <i>Selling to Restaurants, Retail & Institutions; Marketing a CSA</i>	Guest farmers: Amber Baker & Jason Karnezis, Red Truck Farm; Anne Lawrence, Storytree Farm
Feb 3	Marketing: <i>The 5 P's; Managing & Marketing the Small Family Farm</i>	Instructor: Erin Harwood, Clark College Guest Farmer: Lorrie Conway, Conway Family Farms

Feb 10	Management & Operations: <i>Insurance, Business Structures</i>	Instructor: Bob Cosgrove, Country Financial Matt Bisturis, Schwabe, Williamson and Wyatt
Feb 17	Management and Operations: <i>Taxes, Licenses & Payroll</i> ; Marketing: <i>Diversifying Market Channels</i>	Instructor: Chris Hickey, On Point Consulting Guest famer: Rachel Reister, Reister Farms
Feb 24	Marketing: <i>Email & Social Media Marketing, Marketing Farm Education</i>	Instructor: Eileen Cowen, FeedUs.Media Guest famer: Jacqueline Freeman, Friendly Haven Rise Farm
Mar 2	Management and Operations: <i>Regulations, Growing a Farm: Pasture Raised Meats</i>	Instructors: Roger Beekman & Ken Knittle, WSDA Food Safety Guest famer: Caleb Sturtevant, Botany Bay Farm
Mar 9	Financing: <i>Record Keeping & Basic Budgets</i>	Instructor: Lorrie Conway, Northwest Accounting
Mar 16	Graduation; Present finished business plans	Instructors: Students

The program charged \$100 per farm or family, which included a class notebook with syllabus, schedule, and activity worksheets. The Coordinator provided students the link to the updated Cultivating Success curriculum at <http://agentpreneurshipwsuccext.blogspot.com/>. Before registering, the Coordinator spoke with participants about their intentions and what they hope to get out of the class in an effort to make sure the course and candidates were suitable and understood class expectations. Once accepted, candidates filled out a pre-survey using Qualtrics and then received a link to register on Brown Paper Tickets.

The Coordinator promoted the course through flyers at program events, the listserv, Facebook, and press releases in local papers (Appendix H).

Of the 38 people who registered, 29 met the graduation requirement of seven classes (Table 28), with 84% attending seven or more classes. One participant did not attend any classes, one withdrew due to time constraints, and five attended classes intermittently as part of a farm team. The Director worked with the Village Gardens program (<https://villagegardens.org/>) in Portland to allow two of their staff to attend the class. Once trained, these staff will use what they learned to help Village Garden ethnic populations they serve, including Africans, African-Americans, and Latinos.

Table 28: Agricultural Entrepreneurship Attendance

Classes Attended	# Participants	As % of Participants	Cumulative %
10	5	13%	13%
9	9	21%	34%
8	11	29%	63%
7	6	13%	76%
6	3	8%	84%
5	0	0%	
4	3	8%	92%
3	0	0%	
2	1	3%	95%
1	1	3%	98%
0	1	3%	100%

At least 23 of the participants owned properties, while at least nine rent (not all participants indicated land ownership or used land for their ag business model). Eight (28%) graduates currently run small farm businesses on their property, selling products such as fleece, flowers, vegetables, poultry products, and farm services.

North and south Clark County each yielded 31% of graduates, while 10% came from central Clark County (Table 29). Twenty-eight percent of graduates came from other Washington and Oregon counties, including Cowlitz, Lewis, Multnomah, Linn, and Washington.

Table 29: Agricultural Entrepreneurship Geographic Distribution

Location		08	09	10	11	12	13	14	15	16	City Total	Area Total
North	Amboy				2						2	50
	La Center	4		1	2	1	2	1	2	2	15	
	Ridgefield	5	3		2	2	2		2	5	21	
	Woodland	1							2	2	5	
	Yacolt	3	1		3						7	
Central	Battle Ground	1	7	2	3	1	1	1	4	3	23	37
	Brush Prairie	1		3		2	3		5		14	
South	Camas	1	4	1		3	1			1	11	86
	Vancouver	6	3	11	9	9	2	7	3	6	56	
	Washougal	2	2	1	2	3	1	4	2	2	19	
Out of County	Woodland (Cowlitz)	2					4	1		1	8	8
	SW WA	1		1	7		3	6	2	2	22	22
	OR			2		5		2	2	5	16	16
Totals		27	20	22	30	26	19	22	24	29	219	219

Overall, participants completing evaluations rated classes well, with all but one average score above 4 on a scale of one to five, with five being highest (Table 30). The classes featuring two guest farms discussing direct marketing received the highest overall scores with 4.5. The class on budgets and record keeping got an average ranking of 3.1; this class is typically among the most well received. Almost all respondents indicated they not only learned something new, but also plan to use the information.

Table 30: Agricultural Entrepreneurship Class Evaluations

Class Session	Rank	N (NR)	Use any of this info? (% Yes)	N (NR)	Learn something new? (% Yes)	N (NR)
Business Planning Basics	4.3	24 (9)	100%	27 (6)	96%	26 (7)
Market Analysis	4.3	21 (11)	100%	23 (9)	100%	23 (9)
Direct Marketing	4.5	15 (16)	100%	15 (16)	100%	15 (16)
5 P's of Marketing	4.1	17 (15)	95%	22 (10)	86%	22 (10)
Insurance/Business Structures	4.4	23 (7)	100%	24 (6)	100%	24 (6)
Taxes, Licenses, & Payroll	4.1	16 (16)	100%	19 (13)	100%	19 (13)
Digital Marketing	4.1	14 (12)	100%	15 (11)	93%	15 (11)
Regulations	4.3	15 (14)	88%	17 (12)	100%	17 (12)
Budgets & Record Keeping	3.1	9 (17)	100%	10 (16)	100%	10 (16)

Participant comments indicate they learned valuable information for planning their business:

“The guest farmers were honest about their experiences. This helped shape our path forward.”

“We already have [utilized the information for business planning]. The financial planning resources were fabulous.”

“[What I liked best was the] real information about farming; the good and bad (hard).”

“[The class] got us to talk about our goals, write them down and come to agreement on how to proceed”

Participants assessed their knowledge before and after each class. The number of evaluations fluctuates each week due to some participants being in a hurry when classes run late. The Coordinator encourages students to submit their evaluations immediately after the class session, but also accepts any evaluation throughout the course, and provides reminders at the end of each class to submit any evaluations.

With the exception of the topic about marketing one’s farm assets, 56% to 100% of respondents increased their knowledge by at least one level on all other topics during the course (Table 31). Respondents gained the most knowledge about insurance and business structures with at least 61% increasing their knowledge two or more levels about those topics, and all but one indicating an increase in knowledge about those three topics. Forty-four percent to 70% of respondents increased their knowledge two or more levels about finances, indicating the importance of teaching these technical and often overlooked areas. Surprisingly, 27% to 56% of respondents reported no knowledge gain about digital marketing, indicating they already knew these topics or the presentation was too basic.

Table 31: Agricultural Entrepreneurship Knowledge Change Evaluation Summary

Class Session	Knowledge Area	Before and After Knowledge Change (As percent of respondents ⁺)					
		Same	1	2	3	4	N (NR)
Business Planning Basics	Components of a business plan	12%	20%	40%	28%	0%	25 (8)
	How to develop your business' mission statement	16%	8%	36%	36%	4%	25 (8)
	How to develop goals and objectives	25%	29%	21%	21%	4%	24 (9)
	Taking a farm resource inventory	23%	27%	23%	23%	5%	22 (11)
Market Analysis / Research	Identifying product/service attributes	20%	65%	10%	5%	0%	20 (12)
	Understanding your customers and market channels	23%	73%	5%	0%	0%	22 (10)
	Researching consumer trends, target markets and competition	0%	55%	32%	14%	0%	22 (10)
	How to perform research for business planning	14%	50%	32%	5%	0%	22 (10)
Direct Marketing	Marketing to restaurants, retail & institutions	19%	19%	50%	13%	0%	16 (15)
	Making and maintaining connections with potential customers	19%	31%	50%	0%	0%	16 (15)
	Starting and running a CSA	13%	50%	13%	19%	6%	16 (15)
	Sizing your business to your resources, goals and life	13%	33%	47%	0%	7%	15 (16)
The 5 P's	Determining a pricing strategy for your product/services	27%	32%	27%	9%	5%	22 (10)
	Determining what type of packaging works best for your product/service	36%	45%	5%	14%	0%	22 (10)
	Different methods of promoting your product/service	32%	50%	9%	5%	5%	22 (10)
	Placement options for your product/service	32%	50%	9%	9%	0%	22 (10)
Insurance / Business Structures	Insurance considerations for small farms	0%	21%	29%	42%	8%	24 (6)
	Insurance options to manage risk for small farm and value added businesses	0%	29%	42%	25%	4%	24 (6)
	Benefits and drawbacks of various business structures	0%	38%	38%	21%	4%	24 (6)
	Determining the structure appropriate for your farm business	4%	35%	30%	26%	4%	23 (7)

Table 31 Continued

Class Session	Knowledge Area	Before and After Knowledge Change (As percent of respondents*)					
		Same	1	2	3	4	N (NR)
Taxes, Licenses, & Payroll	Registering your business w/appropriate State & Fed Agencies	10%	30%	40%	20%	0%	20 (12)
	Taxes farm business are required to pay	20%	30%	35%	15%	0%	20 (12)
	Getting appropriate licenses & permits for your farm	15%	40%	40%	5%	0%	20 (12)
	Developing multiple marketing channels	16%	32%	42%	5%	0%	19 (13)
Digital Marketing	Developing a Digital Marketing Strategy	44%	13%	31%	13%	0%	16 (10)
	Telling your story with digital media	44%	19%	25%	13%	0%	16 (10)
	Do's and Don'ts of digital marketing	27%	33%	33%	0%	7%	15 (11)
	Marketing your farm 'know-how' and other assets	56%	13%	19%	13%	0%	16 (10)
Regulations	How to find regulations that apply to your specific farm business	29%	24%	35%	18%	0%	17 (12)
	Licensing requirements	24%	29%	24%	24%	0%	17 (12)
	Labeling requirements	29%	24%	18%	29%	0%	17 (12)
	Starting and growing a small farm	18%	35%	24%	24%	0%	17 (12)
Finances & Record keeping	Different accounting system options & advantages & disadvantages of each	20%	30%	20%	30%	0%	10 (16)
	Creating a basic budget	20%	10%	50%	20%	0%	10 (16)
	How to complete a breakeven or sensitivity analysis	38%	0%	25%	25%	0%	8 (18)
	How to get info together for your accountant	11%	44%	33%	11%	0%	9 (17)

* N = number of respondents; NR = non-respondents. + May not equal 100% due to rounding

Participants rated the entire class series well, rating the series a 4.7 on a scale of one to five, five being highest (Table 32). All respondents thought the course series answered most of their questions and felt it provided information useful for their farm business. While most respondents felt the series length was just about right, some thought it too long.

Table 32. Overall Agricultural Entrepreneurship Evaluation Summary

	Average	N(NR)
What overall score would you give this series?	4.7	15 (2)
How much will you use this information to help shape your agricultural business?	4.6	15 (2)
	Yes	
Did this course answer most of your questions?	100%	16 (1)
Did you learn useful/helpful information?	100%	16 (1)

The Agricultural Business Planning course graduated 29 people and completed this task.

Issues and Recommendations

There are none at this time.

Task 4b – Small Farms Workshops

On February 13, the Coordinator held a small farm production workshop, Raising Poultry for Meat, at the 78th Street Heritage Farm, which attracted 28 participants. Larry Giberson, Giberson's Plush Poultry, and

Denise Smee, Clark Conservation District, presented on how to raise meat birds including breed selection, nutrition, feeding techniques, space requirements, and demonstrated how to use the Conservation District's poultry slaughtering equipment.

The program promoted the workshop using Facebook, the Small Acreage listserv, press releases to local newspapers, (Appendix D) and handed out at program and Extension events. Thirty-one people registered for the event and 28 attended. The program charged a \$10 workshop fee per person.

Workshop participants ranked the workshop below average for similar workshops with an average score of 3.6, on a scale of one to five with five being excellent (Table 33). Ninety-five percent of respondents indicated they intend to use the information, but only 81% said they learned something new, less than usual.

Table 33: Evaluation Summary - Raising Poultry for Meat Workshop

Question	Poultry	N (NR)
What overall score would you give this event?	3.6	20 (8)
	% Yes	
Do you intend to use any of the info provided?	95%	21 (7)
Did you learn something new or how to do others differently?	81%	21 (7)
Participants (n)	28	
Evaluations completed (as %)	22 (79%)	

Participants self-evaluate their knowledge about selected topics, once before and once after attending the workshop. Post-workshop evaluation results show at least 53% of participants increased their knowledge about all topics (Table 34). Thirty-seven percent of respondents increased their knowledge at least two levels about poultry feeding techniques. Thirty-one percent also increased their knowledge two or more levels about poultry nutrition requirements, and housing meat poultry.

Table 34: Raising Poultry for Meat Workshop Knowledge Level Change

Knowledge Area	Before and After Workshop Knowledge Level Change (as percent of respondents)					
	Same	1	2	3	4	N (NR) *
Selecting a breed	37%	37%	16%	5%	5%	19 (9)
Nutrition requirements for meat poultry	32%	37%	21%	5%	5%	19 (9)
Poultry feeding techniques	47%	16%	21%	16%	0%	19 (9)
Housing, space and shelter for meat poultry	37%	32%	21%	5%	5%	19 (9)

The Coordinator and Director facilitated the 2016 *Women in Agriculture Conference* on March 19. The event attracted 22 participants to learn about communication through a personality typing system called DiSC assessment. Participants wrote down their take away messages and completed an action plan after each presentation. The facilitators then led discussions about what the participants had gained from the conference and the actions they planned to implement as a result.

The program and the event's statewide organizers promoted the workshop through flyers at program events, the listserv, Facebook, and press releases (Appendix E).

Deliverables

The small farm workshop and Women in Agriculture conference were completed.

Issues and Recommendations

None at this time.

Issues and Recommendations

The surveys for 2015 graduates were not sent in the third quarter due to the Coordinators departure.

Task 5 - Impact Evaluation and Project Reporting

Task 5a – Evaluations

Workshop Evaluations. The program conducts post-event evaluations for each workshop, tour, and class where appropriate. Spouses and partners are encouraged to fill out separate evaluations. Registration and attendance is tracked and recorded, along with evaluation results and comments. Participant suggestions and comments are incorporated as appropriate in planning for future events.

Impact Reporting (follow-up surveys on workshops and tours). The program sent out impact evaluations for workshops and tours from 2015 and the results can be found in the appropriate sections in this report (tours, septic workshops, and BMP workshops).

LOL Impact Evaluation.

Overview. Beginning in 2004, the Director developed a survey to assess behavior changes by former participants in the *Living on the Land* series based on the knowledge participants gained while taking the course.

Methodology. The close-ended survey measures self-reported changes from *Living on the Land* from participants. Graduates through 2015 have been surveyed after they had at least one summer to implement BMPs on their properties. After initial mailings, staff followed-up with non-responders by email and/or telephone.

Response. As outlined in Table 21, 296 LOL participants returned the survey for an overall response rate of 69%. The class of Fall 2015 returned the least (20%) while the class of 2006 returned the most (91%). The 2015 class has not been surveyed a second time which will occur in September, 2017.

Analysis.

The LOL 12 week class series (graduated 428 people through 2015 owning at least 3,756 ac). LOL graduated 18 people (15 households) owning 112 acres in 2016. Through 2015, with a 69% response from 428 graduates (Table 35), 211 graduate households (of 260 responding HH) implemented 667 BMPs on at least 2,206 acres affecting at least 1082 livestock (excluding poultry). Graduates shared what they learned with over 3,134 other people.

Over 43% of responding households tested their soil, 56% of respondent households with septic systems inspected their system, and 50% of households with wells tested them, all as a result of what they learned. Over 85% thought the class was a good use of their Clean Water fee.

Table 35: Survey Response Rate

Class	Moved	No Response			Returned Evaluations					Total Grads	As % of All Grads
		No.	% of Class	As % of All Grads	Household	Partner/Spouse	Total	As% of Class	As % of All Grads		
Fall 03	0	4	17%	1%	16	3	19	83%	4%	23	5%
Spring 04	0	8	19%	2%	26	9	35	81%	8%	43	10%
Fall 04	0	4	12%	1%	25	5	30	88%	7%	34	8%
Spring 05	1	4	15%	1%	19	3	22	81%	5%	27	6%
Fall 05	1	2	7%	0%	20	4	24	89%	6%	27	6%
Fall 06	0	3	9%	1%	25	5	30	91%	7%	33	8%
Fall 07	0	5	16%	1%	21	6	27	84%	6%	32	7%
Fall 08	1	7	23%	2%	18	5	23	74%	5%	31	7%
fall 09	0	10	43%	2%	12	1	13	57%	3%	23	5%
Fall 10	0	17	68%	4%	7	1	8	32%	2%	25	6%
Fall 11	0	6	32%	1%	12	1	13	68%	3%	19	4%
Fall 12	0	11	39%	3%	11	5	16	57%	4%	28	7%
Fall 13	0	13	48%	3%	11	3	14	52%	3%	27	6%
Fall 14	0	10	38%	2%	13	3	16	62%	4%	26	6%
Fall 15	1	24	80%	6%	3	3	6	20%	1%	30	7%
Total	3	128		30%	239	57	296		69%	428	100%

When asked at what level their knowledge was at before and after the course in eight general topic areas, 55% to 80% learned something to a lot about all eight topics (Table 36). Leaving out the management of animal manure, 66% to 80% learned at least something. the fewest respondents learned something about managing manure, but over 55% still learned at least something. Over 74% of responding graduates learned how their management impacts clean water, a heartening level since water quality is a major theme underlying much of the LOL curriculum.

Table 36: Knowledge Change Before and After Course

General Topic	No Change (N)	Some to A Lot (N)
Managing weeds	16.6% (303)	79.9% (303)
Keeping my pasture/hay field healthy	22.6% (294)	71.0% (294)
Managing rainwater (stormwater runoff) so that it stays clean	26.4% (298)	68.5% (298)
Soil and how it relates to managing my land	15.9% (301)	79.9% (301)
Setting realistic goals for my land	24.8% (304)	72.0% (304)
Managing animal manure	38.9% (296)	55.4% (296)
Managing / controlling mud	29.6% (300)	65.9% (300)
How my management practices impact clean water:	22.0% (302)	74.2% (302)

Information Requests. The program responded to 169 requests for information and assistance on weed control, small farm enterprises, soil testing, upcoming classes, hay testing, pasture management and fertilization, gutters and drainage, streams and wetlands, wildlife, native plants, wells, and septic

maintenance. The most common request was for information on upcoming classes and workshops, followed by small farm enterprises, weed management, septic, hay testing, soil testing and pastures and fertilizing. Individuals also receive factsheets and flyers for upcoming classes, workshops, and events.

Task 5b – Reporting

Reporting. This report constitutes the annual report for 2016.

Issues and Recommendations

Due to the abnormally slow hiring process experienced in attempting to replace the program coordinator and the limits on the Director's time, several deliverables were not met. This was exacerbated by the coordinator's family leave which resulted in backloading many deliverables to the fall, the time period that coincided with the Coordinator's resignation. As a result, the Director did not expense over \$10,000 which the Clean Water Program will keep. This applies to the stormwater grant which funds approximately 75% of the Small Acreage Program.

Table 37: Progress Summary

Program Elements			2016 Goals	Qtr 1	Qtr 2	Qtr 3	Qtr 4	YTD	% 2016 Goals
Best Management Practices (Task 1)	Information Resources	Materials added to reference files	ongoing	1	1	1		3	
		Post links and resources to website	ongoing	1	1	1	1	4	
		Track web site hits		1	1	1	1	4	
		Track web site document downloads		1	1	1	1	4	
	Publications	Stewardship Article	1					0	0%
		Video clip, factsheet, or PowerPoint	1					0	0%
Public Outreach and Education (Task 2)	LOL Class Series	LOL series	1				1	1	100%
		Graduation	20				18	18	90%
	Well & Septic Workshops	Well & septic workshops	4	1	1	2		4	100%
		Attendance	30	29	32	67		128	427%
	BMP Workshops	BMP Workshops	3			2		2	67%
		Attendance	30			19		19	63%
		Revise & maintain speaker's list	ongoing	1	1	1	1	4	
	Outreach Events & Promotional Activities	Small Acreage Exposition	1		1			1	100%
		Attendance	75		109			109	145%
		Clark Conservation District Plant Sale	1	1				1	100%
		Clark County Fair	1			1		1	100%
		WSU Harvest Celebration	1			1		1	100%
		Realtor Outreach	ongoing		1			1	
		Veterinairian and Farrier Outreach	ongoing		1	1		2	
		Additional Events as identified		1				1	
Model Properties (Task 3)	Property Tours	Conduct tours	3			2		2	67%
		Attendance	30			15		15	50%
	Sign Recognition	Assess properties for signage program	6	3		1		4	67%
Small Farms (Task 4)	Agricultural Entrepreneurship	10 week course	1	1				1	100%
		Graduates	20	29				29	145%
	Small Farm Workshops	Women in Ag Conference	1	1				1	100%
		Attendance	10	22				22	220%
		Small farm workshop	1	1				1	100%
		Attendance	10	28				28	280%
Impact Evaluation and Project Reporting (Task 5)	Evaluation	Workshop/tour evaluations - small farms	19	1	1	9	8	19	100%
		Requests for assistance		51	43	60	15	169	
		Impact evaluation of graduates	3					0	0%
	Reporting	Quarterly Reports	3	1	1	1		3	100%
		Annual Report	1				1	1	100%

Appendix A: Living on the Land

FLYER

SAMPLE PRESS RELEASE

OTHER PUBLICITY

FLYER:

Living On the Land - Stewardship for Small Acreages

New to living on acreage or just want to improve your property?
This 12-week course will help you reach your goals.

Learn how to...

Inventory your resources

Develop a plan to reach your goals

Enhance your soils and pasture

Reduce mud

Learn to maintain & inspect your septic system

Protect your drinking water

Encourage and manage wildlife

Control weeds


Manage animals to avoid negative impacts

Properly store and compost manure

Improve your animal's health

Assess business opportunities

Steward your land



Living On the Land

Stewardship for Small Acreages

Date: Thursdays, 9/1 - 11/17

Time: 6:00 to 9:00 PM

Cost: \$35 per farm or family
(pre-registration required)

Where: Hazel Dell, WA

Registration or questions? Contact Eric Lambert at eric.lambert@wsu.edu or 360-397-6060 x5729

Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water Program

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

SAMPLE PRESS RELEASE:

For Immediate Release

August 22, 2016

Contact: Eric Lambert (contact person until 9/25 after will be Doug Stienbarger)
WSU Extension Clark County
Tel: 360-397-6060 ext. 5729 (Doug, 5742)
Fax: 360-759-6524

Living On the Land Class Begins September 1st

Hazel Dell, WA – Registration for WSU Clark County Extension’s Small Acreage Program’s twelve week class series, *Living On the Land – Stewardship for Small Acreages*, is now open. Sponsored by WSU Clark County Extension and Clark County Clean Water Program, this course prepares participants with the knowledge necessary to develop a sustainable property management plan.

Living On the Land participants learn about important topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management. Topics are presented by local and regional experts and include pasture management, controlling weeds, wildlife, soil health, well & septic maintenance, and many more. Graduates of this training come away with knowledge about how different aspects of their property interact, practices that enhance natural resources, and helpful strategies for improving their property by taking a whole farm approach. In addition they create a workable property plan for their goals within the stewardship framework learned in class.

Eric Lambert, Program Coordinator, says “The Living On the Land curriculum is available on our website, but the real value of this class is hearing from regional specialists and making connections with other local landowners.” Doug Stienbarger, Director of WSU Clark County Extension, adds “This course covers important issues landowners need to address to achieve their goals. *Living On the Land* teaches management practices that help landowners save time and money, improve property value, and protect natural resources.”

“Living On the Land: Stewardship for Small Acreages”

Thursdays, September 1 to November 17, 2015 - 6:00 to 9:00 PM

Registration is \$35 per farm or family and class size is limited.. Please call or email Doug Stienbarger at 360-397-6060 ext. 5742 or stiendm@wsu.edu to register, or for more information about WSU Clark County Extension’s Small Acreage Program.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County Extension at (360) 397-6060 ext. 0 at least two weeks prior to the event.

OTHER PUBLICITY:

Clark County FYI
August 24, 2016

Living on the Land - Stewardship for Small Acreages

Living On the Land - Stewardship for Small Acreages

New to living on acreage or just want to improve your property?
This 12-week course will help you reach your goals.

Learn how to...

- Inventory your resources
- Develop a plan to reach your goals
- Enhance your soils and pasture
- Reduce mud
- Learn to maintain and inspect your septic system
- Protect your drinking water
- Encourage and manage wildlife
- Control weeds
- Manage animals to avoid negative impacts
- Properly store and compost manure
- Improve your animals' health
- Assess business opportunities
- Steward your land

Living On the Land Stewardship for Small Acreages

Date: Thursdays, Sept. 1-Nov. 17

Time: 6-9 pm Cost: \$35 per farm
or family, pre-registration required

Where: Clark County, Public Works
Operations Center, 4700 NE 78th St.

Registration or questions? Contact
Eric Lambert at eric.lambert@wsu.edu
or (360) 397-6060 ext. 5729

Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water Program

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The Reflector
August 30, 2016

11/30/2016

Living On the Land Class Begins Sept. 1 | Happenings | thereflector.com

http://www.thereflector.com/happenings/article_26eae4fc-6ed9-11e6-bb3f-afe9b6e9f297.html

Living On the Land Class Begins Sept. 1

Aug 30, 2016



Photo courtesy WSU Clark County Extension

Horses romp through a field. WSU Clark County Extension's Small Acreage Program will include proper pasture management, among many items.

Registration for WSU Clark County Extension's Small Acreage Program's 12-week class series, Living On the Land — Stewardship for Small Acreages, is now open.

Sponsored by WSU Clark County Extension and Clark County Clean Water Program, this course prepares participants with the knowledge necessary to develop a sustainable property management plan.

Living On the Land participants learn about important topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management. Topics are presented by local and regional experts and include pasture management, controlling weeds, wildlife, soil health, well and septic maintenance, and many more.

http://www.thereflector.com/happenings/article_26eae4fc-6ed9-11e6-bb3f-afe9b6e9f297.html

1/2

The Reflector (continued)
August 30, 2016

11/30/2016

Living On the Land Class Begins Sept. 1 | Happenings | thereflector.com

"The Living On the Land curriculum is available on our website, but the real value of this class is hearing from regional specialists and making connections with other local landowners," said Eric Lambert, program coordinator.

Graduates of this training come away with knowledge about how different aspects of their property interact, practices that enhance natural resources, and helpful strategies for improving their property by taking a whole farm approach. In addition they create a workable property plan for their goals within the stewardship framework learned in class.

Doug Stienbarger, director of WSU Clark County Extension, said, "This course covers important issues landowners need to address to achieve their goals. Living On the Land teaches management practices that help landowners save time and money, improve property value, and protect natural resources."

If you want to participate:

If you want to participate:

"Living On the Land: Stewardship for Small Acreages," is from 6-9 p.m. Thursdays, Sept. 1 to Nov. 17.

Registration is \$35 per farm or family and class size is limited. Call or email Doug Stienbarger at (360) 397-6060 ext. 5742 or stlendm@wsu.edu to register, or for more information about WSU Clark County Extension's Small Acreage Program.

PAID ADVERTISEMENT:

The Reflector
August 24, 2016

Got Acreage?

.....

Do You Want to.....


- Make your property look better?
- Reduce chore time?
- Improve your animals' well-being?
- Enhance your soils and pasture?
- Protect your drinking water and streams?
- Reduce mud?
- Improve storage & composting of manure?

If you answered YES! to any of these questions, Living On the Land is for you!

**12 fall classes meet Thursday nights
September 1 - November 17
6:00 - 9:00 p.m.**

**PRE-REGISTRATION REQUIRED
CLASS SIZE LIMITED
\$35 PER FARM/FAMILY**

Call (360) 397-6060 x5742
or stiendm@wsu.edu to register or for info.



Sponsored by:
WSU Clark County Extension
Clark County Clean Water Program

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County Extension at 360-397-6060 ext. 0 prior to the event.

Appendix B: Evaluation & Survey Forms

LOL IMPACT SURVEY

LOL PRE-CLASS SURVEY

LOL INDIVIDUAL CLASS EVALUATION

LOL CLASS SERIES EVALUATION

WELL & SEPTIC WORKSHOP EVALUATION

BMP WORKSHOP EVALUATION

PROPERTY TOUR EVALUATION

WORKSHOP & TOUR IMPACT SURVEY

LOL IMPACT SURVEY

Living on the Land (LOL) Participant Survey

We are glad you were able to participate in the 2013 Living on the Land class series. WSU Clark County Extension depends on people like you to provide feedback on our programs. All responses will be kept anonymous. Upon request, we will send you the results when completed. We greatly appreciate your help. Thank you!

First name _____ Last name _____

Please indicate the extent to which you agree or disagree with each statement below. (Please circle your responses.)

		Strongly Disagree	Some- what Disagree	Neither Agree or Disagree	Some- what Agree	Strongly Agree	Don't Know / Unsure
2.	The LOL course provided the level of information I needed	1	2	3	4	5	DK
3.	I would recommend this course to others	1	2	3	4	5	DK
4.	Based on what I learned in the LOL course, I now manage my property differently.....	1	2	3	4	5	DK
5.	This course is a good use for part of the clean water fee I pay with my property taxes every year.....	1	2	3	4	5	DK
6.	The changes I made have improved my property	1	2	3	4	5	DK

As a result of the LOL classes, have you done any of the following (please circle response):

	Yes	No	Does Not Apply
7. Tested your soil?	1	2	NA
8. Inspected your septic tank?	1	2	NA
9. Tested your well water?	1	2	NA

10. Have you shared what you learned in this class with anyone else? Yes _____ No _____

If yes: 11. Who did you share this with? (such as family, friends, etc) _____

12. About how many people did you share information with? _____

Turn Over for Questions on Page 2

21. Please list practices or management changes you have made as a result of taking this class. (Examples might include composting manure, covering manure piles, installing gutters and downspouts, pasture mgmt., etc.)

22. The most positive impact of these changes was _____

23. Your gender (check one) Male Female

24. What is your age?

25. Highest educational level you have attained? High School or less _____ Bachelor's degree _____
Some college _____ Graduate degree _____

26. How many years have you lived on acreage (current and former property)?

Please return this questionnaire BY NOVEMBER 18th in the stamped, self-addressed envelope provided with this questionnaire. We will follow-up with a telephone call.

If you have questions about this survey, call Doug Stienbarger at 360-397-6060 x5742

(stiendm@wsu.edu)

LOL Pre-Class Survey

Living on the Land – Stewardship for Small Acreages

September 3 through November 19, 2015

This brief survey helps us address your individual needs as small acreage landowners and tailor/adapt the program to your interests. ***All information collected on this form will be used only for this course to help you look at your management techniques.***

Name(s): * _____
 Mailing Address: * _____
 Phone Number: * _____
 Email Address: * _____

** This information is only used by our office for contact purposes and to inform you of other relevant events.*

How many acres do you own? _____ How long have you owned this land? _____

Your parcel number(s) and/or legal description from your property tax statement. The parcel number is also your account number and is usually a six digit number followed by three zeros. Include physical address if different from mailing address. *(This will be used to generate maps of your property showing features such as soil types, topography etc. for your use during the course.)*

What do you use your acreage for? (***Check all that apply and list approximate size.***)

Vegetable garden	<input type="checkbox"/> _____	Pasture	<input type="checkbox"/> _____
Orchard	<input type="checkbox"/> _____	Hay	<input type="checkbox"/> _____
Floral/landscape	<input type="checkbox"/> _____	Lawn	<input type="checkbox"/> _____
Forest	<input type="checkbox"/> _____	Other (please	<input type="checkbox"/> _____
		list)	
Wildlife habitat	<input type="checkbox"/> _____	Other (please	<input type="checkbox"/> _____
		list)	

Do you own livestock? ☐ YES ☐ NO If so, what type of livestock?

Type	Total number	Type	Total number
------	--------------	------	--------------

Do you irrigate pastures? ☐ YES ☐ NO

Do you have mud problems? ☐ YES ☐ NO

Do you have unusually wet pasture(s)? ☐ YES ☐ NO

Do you have a well on your property? ☐ YES ☐ NO

Do you have a septic system? ☐ YES ☐ NO ☐ UNCERTAIN

Do any rivers, streams, creeks, or irrigation ditches run through your property? ☐ YES ☐ NO

Are there roadside ditches through or adjacent to your property? ☐ YES ☐ NO

What are your reasons for attending this workshop series? (use other side if necessary)

How did you hear about this class? (Please circle all that apply) E-mail The Reflector The
 Columbian The Oregonian Small Ac Program Event Camas-Washougal Post Record Other

LOL Individual Class Evaluation

Living On the Land Class Evaluation – M1L1

Small Acreage Program

September, 2016

In order to help us evaluate this program, please answer the following questions

Please rate your knowledge of the following topic areas for both before and after you participated in the workshop. (Please circle your responses)						
		Poor	Fair	Average	Good	Excellent
Goal setting and taking a whole property view	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Considering neighbors when setting property goals	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Identifying assets on your property	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Identifying problems on your property	Before...	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this lesson?		1	2	3	4	5
Workshop evaluation						
Do you intend to use any of the information provided?		Yes		No		
Did you learn something new or how to do others differently?		Yes		No		

What was the most informative part of this lesson?

Are there part(s) we need to spend more or less time on?

More:

Less:

Which part was too technical or too easy and why?

Too technical:

Too easy:

What is one practice from this lesson you might implement within a year?

LOL Class Series Evaluation

Living on the Land – Stewardship for Small Acreages
Whole-Class Evaluation

Please rate the entire twelve week program.

- *Module 1: Inventorying Resources* - Doug Stienbarger and Scott Melville
- *Module 2: Your Living Soil* – Gordon French and Caroline Swansey
- *Module 3: Water Quality, Wells & Septics, and Streams* – Cary Armstrong, Sean Hawes, Brigitte Bashaw, and Chris Hathaway
- *Module 5: Pasture & Weed Management* – Mike Monfort, Gene Pirelli, and Gary Fredricks
- *Module 6: Caring for your Animals: Animal Management and Wildlife* – Rachel Maggi, Zorah Oppenheimer and Doug Stienbarger
- *Module 7: Business Opportunities* – Chip Bubl
- *Module 8: Stewardship and Tying It Altogether* – Eric Lambert

Please circle your answer.

	Excellent			Poor		
What overall score would you give this program?	5	4	3	2	1	
Did the program series answer most of your questions?	YES		NO			
Did you learn useful information?	YES		NO			
	Quite a Lot		Some		Very Little	
How much will you use this information to change what you do on your land?	5	4	3	2	1	
	Too long		About Right		Too Short	
The program series was:	5	4	3	2	1	

Please explain why you rated any category below average:

What would you like to see added to the program (other or new topics)? Deleted?

Do you feel that having the worksheets in a separate workbook/management plan is a good idea?

Do you think it will be easier to reference in the future (as opposed to having it all in the binder)?

Would you recommend this program to neighbors or friends?

How have you changed the way you manage your property based on what you learned in this class?

What management practices will you change or implement within a year?

Did this program help you better understand the goals for your property and how you can meet those goals?

What are the first five words that occur to you to describe this program?

Was the time and day of the week convenient for you? Would something else work better (another weekday, Saturdays)? What about the time of year?

Did you submit a sample to a lab for analysis for any of the following?

	Yes	No	Plan to within the next year
Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Comments:

Thank you for your interest, your excellent questions, and your sense of humor!

Well & Septic Workshop Evaluation/Assessment Form

Please rate your knowledge of the following topic areas for both before and after you participated in the workshop.

(Please circle your responses)

		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
Knowledge of well and septic maintenance	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Keeping my drinking water healthy	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Protecting my septic system	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How to properly inspect my septic system	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How my management practices impact clean water	Before...	1	2	3	4	5
	After...	1	2	3	4	5

Program evaluation

Do you intend to use any of this information? Yes No

Was the septic inspection component sufficient? Yes No

Was this program understandable? Yes No

Did the program answer your questions? Yes No

Was this program worth your time to attend? Yes No

What did you like best about the program?

In order to improve this program, are there part(s) we need to spend more or less time on? Topics to add or delete?

Do you have a well? *(circle one)* Yes No

Are you currently using it for your household water source? *(circle one)* Yes No

What was the main reason you attended this workshop? *(check one)* ☐ Learn about septic maintenance and protection.

☐ Learn about well maintenance and protection. ☐ Learn about how management practices impact clean water.

☐ Get the free coliform bacteria well test. ☐ Get certified to inspect your own septic system

Workshop Evaluation

Pasture Establishment & Renovation

Workshop Evaluation

Small Acreage Program – September 22, 2016

In order to help us evaluate this program, please answer the following questions

Please rate your knowledge of the following topic areas for both before and after you participated in the workshop. (Please circle your responses)						
		Poor	Fair	Average	Good	Excellent
	Before...	1	2	3	4	5
Methods for renovating/reseeding pastures						
	After...	1	2	3	4	5
How grass life cycle impacts pasture management practices during fall and winter	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Common grass/legume species for Western WA pastures	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How pasture management practices impact water quality	Before...	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this workshop?		1	2	3	4	5

Workshop evaluation

Do you intend to use any of the information provided?	Yes	No
Did you learn something new or how to do others differently?	Yes	No

What was the most informative part of this workshop?

Are there part(s) we need to spend more time on?

Less time on?

What is one practice from this workshop you might implement within a year?

Are there other topics you would like to see offered as workshops in the future?

Property Tour Evaluation

WSU Clark County Extension – Small Acreage Program
Conway Family Farm – August 6 & Five Sprouts Farm, September 9

In order to help us evaluate this program, please answer the following questions

Please rate your knowledge of the following topic areas for both before and after you participated in the tour.						
		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
<i>(Please circle your responses)</i>						
Knowledge of pasture management.	Before	1	2	3	4	5
	After...	1	2	3	4	5
Knowledge of manure management.	Before	1	2	3	4	5
	After...	1	2	3	4	5
Ways to manage runoff and control mud.	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How management practices impact water quality.	Before	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this tour?		1	2	3	4	5
Tour evaluation						
Do you intend to use any of the information provided?				Yes	No	
Did you learn something new or how to do others differently?				Yes	No	

What was the most informative part of this tour?

Are there part(s) we need to spend more or less time on?

More:

Less:

What is one practice from this tour you might implement within a year?

Are there topics you would like to see offered at other workshops in the future?

Good-bye Mud: Winter Paddock Design Workshop Evaluation

Small Acreage Program – August 18, 2016

In order to help us evaluate this program, please answer the following questions

Please rate your knowledge of the following topic areas for both before and after you participated in the workshop. (Please circle your responses)		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
	Before...	1	2	3	4	5
General mud and runoff management	After...	1	2	3	4	5
Utilizing heavy use areas and footing materials for livestock	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Different methods to capture and route runoff	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How property management practices impact water quality	Before...	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this workshop?		1	2	3	4	5
Workshop evaluation						
Do you intend to use any of the information provided?				Yes	No	
Did you learn something new or how to do others differently?				Yes	No	

What was the most informative part of this workshop?

Are there part(s) we need to spend more or less time on?

What practices from this workshop you might implement within a year?

Are there other topics you would like to see offered as workshops in the future?

Pasture Establishment & Renovation Workshop Evaluation

Small Acreage Program – September 24, 2015

In order to help us evaluate this program, please answer the following questions

Please rate your knowledge of the following topic areas for both before and after you participated in the workshop. (Please circle your responses)						
		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
Methods for renovating/reseeding pastures	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How grass life cycle impacts pasture management practices during fall and winter	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Common grass/legume species for Western WA pastures	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How pasture management practices impact water quality	Before...	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this workshop?		1	2	3	4	5

Workshop evaluation

Do you intend to use any of the information provided?	Yes	No
Did you learn something new or how to do others differently?	Yes	No

What was the most informative part of this workshop?

Are there part(s) we need to spend more time on?

Less time on?

Workshop & Tour Follow-Up Impact Survey

BMP Workshop

We are glad you were able to participate in the «Workshop» Best Management Practice (BMP) workshop on «Date» with the Small Acreage Program. WSU Clark County Extension depends on class participants to provide feedback on our programs. All responses will be kept anonymous. We greatly appreciate your help. Thank you!

First name _____ Last Name _____

1. Did you put in or start using any of the practices discussed at the workshop?

☐ Yes ☐ No

2. If yes, which practices did you put in or start using? (ex: french drain, gutters & downspouts, sacrifice area, manure storage facility, covered manure pile, fenced off stream or wetland, perimeter or cross-fencing pasture, etc.)

3. Have you shared what you learned in this class with anyone else?

☐ Yes ☐ No

4. If yes, who have you shared with? (check all that apply)

☐ Friends ☐ Family ☒ Neighbors ☐ Coworkers

☐ Other (please list) _____ ☐ Other (please list) _____

5. About how many people did you share information with?

Please return this questionnaire BY June 30 in the stamped, self-addressed envelope provided. Multiple evaluations can be sent together in one envelope. We will follow-up with a reminder telephone call or e-mail.

If you have questions about this survey, call Eric Lambert at 360-397-6060 x5729 (eric.lambert@clark.wa.gov) or Doug Stienbarger x5742 (stiendm@wsu.edu).

Appendix C: Wells and Septic Maintenance Workshops

FLYER

OTHER PUBLICITY

Paid Advertisement

WELLS AND SEPTIC MAINTENANCE WORKSHOP FLYER

Well & Septic Inspection Certification

Get certified to inspect your own gravity-fed septic system and learn how to properly maintain your well and septic systems.

Get certified to inspect your septic system*
AND learn how to:

- ◇ Prevent costly repairs
- ◇ Protect your drinking water
- ◇ Maintain your well and septic systems

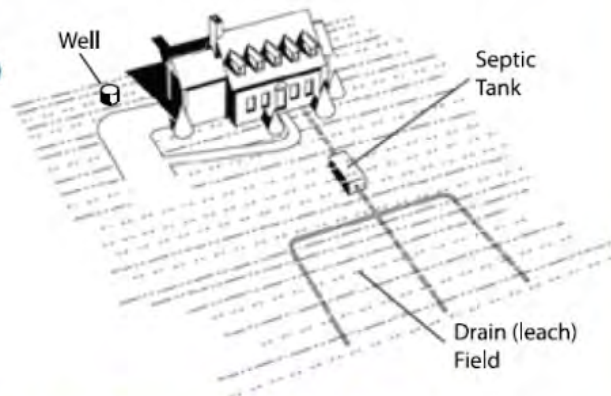
Well & Septic Inspection Certification and Maintenance for Homeowners

Where: Prairie High School Auditorium (11311 NE 119th St)

Date: Tuesday, August 23

Time: 6 to 9 PM

Cost: \$15 per household



Registration and details at:

www.brownpapertickets.com/event/2580978

**System must be owner occupied and gravity fed. Not valid for sale of house, homeowner can self-inspect every other inspection, alternating with a certified O&M professional.*

Jointly Sponsored by: WSU Clark County Extension, Clark County Environmental Services, and Clark County Public Health.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water
Program



Public
Health

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

OTHER PUBLICITY

Clark County FYI
September 7, 2016

Well and Septic Inspection Certification

Date: Thursday, September 15, 2016 - 6:00pm

Add this event to your Outlook calendar (iCal)

Add this event to your Google calendar

Well & Septic Inspection Certification

Get certified to inspect your own gravity-fed septic system, and learn how to properly maintain your well and septic systems.

Get certified to inspect your septic system,*
save money, and learn how to:

- ◇ Prevent costly repairs
- ◇ Protect your drinking water
- ◇ Maintain your well and septic systems

Well and Septic Inspection Certification and Maintenance for Homeowners

Where: Clark County Public Works Ops. Center, bldg. B1
4700 N.E. 78th St., Vancouver

Date: Thursday, Sept. 15

Time: 6-9 p.m.

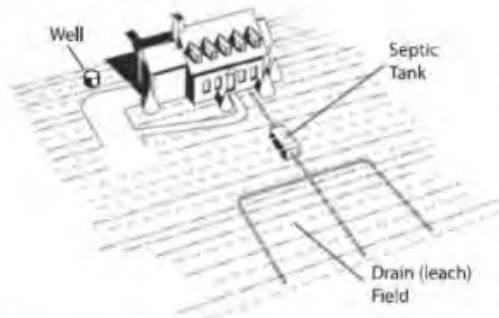
Cost: \$15 per household

Registration and details at:

www.brownpapertickets.com/event/2591686

**System must be owner-occupied and gravity fed. Not valid for sale of house. Homeowner can self-inspect every other inspection, alternating with a certified O&M professional.*

Jointly Sponsored by WSU Clark County Extension and Clark County Public Health.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water
Program



Public
Health

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

PAID ADVERTISEMENT

The Reflector
August 17, 2016

Well & Septic Inspection Certification

**SAVE MONEY by getting
certified to inspect your own
septic system!**

REGISTER AT:
www.brownpapertickets.com/event/2580978

When: Tuesday, August 23 - 6 to 9 PM
Where: Pairie High Auditorium, 11500 NE 117th Ave.
Additional information at: WSU Clark County Extension
360-397-6060 ext. 5729 / eric.lambert@wsu.edu

WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Clark County Extension at
(360) 397-6060 ext. 0 prior at least two weeks prior to the event.

Topics Include:

- Septic inspection and certification*
- Septic maintenance
- Protecting well water
- Well testing and maintenance

***Septic system must be gravity fed, the house must be owner occupied and not being prepared for sale.**

**WASHINGTON STATE
UNIVERSITY
EXTENSION**

Small Acreage Program

Sponsored by:
WSU Clark County Extension
Clark County Clean Water Program

With technical assistance from:
Clark County Public Health

Appendix D: BMP Workshops

FLYERS

OTHER PUBLICITY

PAID ADVERTISEMENT

GOOD-BYE MUD! – WINTER PADDOCK DESIGN FLYER

Good-bye Mud! - Winter Paddock Design

Got mud? Learn the keys to designing a winter paddock that will solve mud issues while keeping your animals and pastures healthy.

Learn how to create a long-lasting winter paddock to reduce mud, improve pastures and provide a healthy place for your animals. Participants will learn:

- ◇ How to plan for size and location of a heavy use area
- ◇ Pros & Cons to various materials
- ◇ Tips for installing winter paddocks
- ◇ Regular maintenance requirements



Good-bye Mud! - Winter Paddock Design

Where: 78th St Heritage Farm
(1919 NE 78th St.)

Date: Thursday, August 18

Time: 6:30 to 8:30 PM

Cost: \$10 per person

Registration and details at:

www.brownpapertickets.com/event/2582614



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water
Program

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

PASTURE ESTABLISHMENT & RENOVATION FLYER

Pasture Management, Establishment & Renovation

Learn valuable practices to enhance your pasture and improve your forage from a regional OSU Extension specialist.

Join this workshop to hear OSU Extension livestock and forage specialist Gene Pirelli discuss pasture management practices that will get your pastures back on track. This workshop will cover:

- ◇ Grazing practices that improve pasture health
- ◇ Reseeding techniques and practices
- ◇ Pros and cons of various grass varieties
- ◇ Pasture renovation strategies and equipment



Pasture Management, Establishment & Renovation

Where: C.C. Public Works 78th St. Ops Center (4700 NE 78th St, bldg. B1)

Date: Thursday, September 22

Time: 6 to 9 PM

Cost: \$10 per person

Registration and details at:

www.brownpapertickets.com/event/2586794



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



**Clean Water
Program**

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

OTHER PUBLICITY

Clark County FYI
August 3, 2016

Good-bye mud! - Winter Paddock Design

Good-bye Mud! - Winter Paddock Design

Got mud? Learn the keys to designing a winter paddock that will solve mud issues while keeping your animals and pastures healthy.

Learn how to create a long-lasting winter paddock to reduce mud, improve pastures and provide a healthy place for your animals. Participants will learn:

- ◇ How to plan for size and location of a heavy use area
- ◇ Pros & Cons to various materials
- ◇ Tips for installing winter paddocks
- ◇ Regular maintenance requirements



Good-bye Mud! - Winter Paddock Design

Where: 78th Street Heritage Farm
1919 N.E. 78th St.

Date: Thursday, Aug. 18

Time: 6:30-8:30 p.m.

Cost: \$10 per person

Registration and details at:

www.brownpapertickets.com/event/2582614



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Clean Water
Program

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6069 ext 0 at least two weeks prior to an event.

PAID ADVERTISEMENT

The Reflector
August 17, 2016

Good-bye Mud! Winter Paddock Design

**SOLVE MUD PROBLEMS by
learning how to design a winter
paddock for your animals!**

REGISTER AT:

www.brownpapertickets.com/event/2582614

When: Thursday, August 18 - 6:30 to 9:30 PM

Where: 78th Street Heritage Farm, 1919 NE 78th St.

Additional information at: WSU Clark County Extension
360-397-6060 ext. 5729 / eric.lambert@wsu.edu

Topics Include:

- Selecting the right footing materials
- Sizing and locating a winter paddock
- Installing winter paddocks
- Maintaining winter paddocks for longevity
- AND much more!!!

**WASHINGTON STATE
UNIVERSITY
EXTENSION**

Small Acreage Program

Sponsored by:

WSU Clark County Extension

Clark County
Clean Water Program

WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Clark County Extension at
(360) 397-6060 ext. 0 prior at least two weeks prior to the event.

Appendix E: Small Acreage Expo

PROMOTIONAL FLYER

EXPO PROGRAM

HANDOUT PROGRAM

PRESS RELEASE SAMPLE

PAID AD SAMPLE

PUBLICITY

Expo Promotional Flyer

11th Annual Clark County Small Acreage Expo

Workshops on rain barrels, soil building, pasture management, raising pigs, poultry processing, PNW native plants, and much more!

Make the most out of your acreage!

The 11th Annual Small Acreage Expo is a fun and informative event offering workshops on topics small acreage residents want to know about. Learn from knowledgeable speakers, network with the small acreage community and have a great day at the Heritage Farm!

Topics include:

- Soil building
- Rain barrels
- Native plants
- Septic inspection
- Fermenting local foods
- Raising goats and pigs
- AND MUCH MORE!!!

April 2! Workshops,
door prizes, lunch
and much more!



What: Small Acreage Expo

When: Saturday, April 2 - 9AM - 4PM

Where: WSU Clark County Extension - 78th Street Heritage Farm (1919 NE 78th St.)

Cost: \$15 pre-register / \$25 walk-in (lunch included)

Registration & class descriptions at:

www.brownpapertickets.com/event/2514733



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Environmental
Services

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

Expo Program



11th Annual
**Clark County
 Small Acreage Expo**





Saturday, April 2
 9:00 AM - 3:30 PM

78th Street Heritage Farm
 1919 NE 78th Street
 Vancouver, WA

- Workshops
- Prizes
- Lunch
- Networking
- & Much More!

The Small Acreage Program is Jointly Sponsored By:




Session A
 9:00 - 10:15 AM

A1 Farm to Fermentation
Karen Puyleart, Purely Primal blogger
 Fermented foods rich in probiotics provide support to our gut microbiome. Learn how easy and cost effective it is to use local produce to make delicious lactofermented vegetables, including sauerkraut. Karen will also demonstrate how to make Kombucha tea.

A2 The Best of PNW Native Plants
Andrew Fraser, Clark CPU AmeriCorps
 Want to replant with natives and impress your family on your next hike? Andrew will share some favorite native plants for different purposes including, fruit bearing, attracting wildlife, riparian planting, and flowering for pollinators.

A3 Learn to Love Your Clay!
Gordon French, LIC Feeds
 Do you have clay soils? Learn about the benefits of clay and how to build your soil tilth. Gordon will discuss adding organic matter, and timing, rates, and application methods for lime and fertilizers for pastures and gardens in our area.

Session B
 10:30 - 11:45 AM

B1 Living On a Stream
Anitra Garham, NRCS
 Do you have a stream on your property? Implementing your goals may take some thoughtful planning. Anitra will discuss best management practices that facilitate a productive property while protecting our clean water and natural resources.

B2 Septic Inspection Certification
Sean Hawes, Clark County Public Health
 Learn how to correctly inspect your home septic system to keep your investment working properly. At the conclusion of this presentation, take the Public Health Operations & Management test to become certified to do your own septic inspections (gravity fed only).

B3 Weed'em and Reap
Mike Monfort, C.C. Vegetation Management
 Are you losing ground in the fight against weeds? Learn to identify and control weeds that don't belong on your property and may harm your animals. Mike will discuss how to create a strategic plan to control noxious, invasive, and poisonous plants.

B4 Gearing Up for Goats
Amy Blankenship, Clark County Goat Association
 Thinking about getting goats? Amy will discuss important considerations that will lead to goat keeping success. Participants will learn about breed selection, housing and space needs, fencing and stocking rates.

Session C
 12:45 - 2:00 PM

C1 Garden Soil Testing and Plant Nutrition
Martha Minnich, Master Gardener
 When, why and how to test soils for your vegetable garden? Martha will discuss plant nutrient needs, soil sampling and interpretation, and guidelines for adding the right amount of fertilizers and organic soil amendments. Participants are encouraged to bring their soil test results.

C2 Spring-Up Your Pasture!
Gene Pirelli, OSU Extension
 Maximizing pasture production requires a strategic approach for each season. Gene will discuss key principles for seasonal pasture management beginning with spring. Fertilization, seasonal growth, and constraints will be discussed.

C3 Mobile Poultry Processing*
Denise Smea, Clark Conservation District & Larry Giberson, Giberson's Plush Poultry
 Interested in raising your own meat birds? Denise and Larry will lead this hands-on demonstration of how to use the Clark Conservation Districts Mobile Poultry Processing Unit. Participants will observe and help process live birds.
 *This workshop is two sessions, C & D

Session D
2:15 - 3:30 PM

D1 **Raising Pigs for Small Farms**
Gene Pirelli, OSU Extension
Ever considered adding pork to your farm products? Learn best practices for incorporating swine production on your farm. Gene will discuss breeds, swine health, nutrition, and basic husbandry for small producers.

D2 **DIY Rain Barrels***
Rob Bacon, WSU Master Gardener
Make and take home your own rain barrel in this hands-on class! Rob will lead participants through the process of assembling a home rain barrel as well as discuss home installation.
*Additional \$15 fee for participants wanting to take a rain barrel home (partial cost of materials). Pay at: www.brownpapertickets.com/event/2516137

D3 **Composting with Worms**
Joan Veach, Master Composter/Recycler
Don't let those food scraps and other organic materials go to waste! Learn how you can use worms to create nutrient rich garden fertilizer while reducing your waste footprint. Participants will learn how to build vermicompost bins and care for these hard working worms!

D4 **Mobile Poultry Processing***
Denise Smee, Clark Conservation District & Larry Giberson, Giberson's Plush Poultry
Interested in raising your own meat birds? Denise and Larry will lead this hands-on demonstration of how to use the Clark Conservation Districts Mobile Poultry Processing Unit. Participants will observe and help process live birds.
*This workshop is two sessions, C & D

Workshop Schedule

Registration & Check-in	8:15 - 8:55 AM
Session A	9:00 - 10:15 AM
Session B	10:30 - 11:45 AM
Lunch	11:45 - 12:45 PM
Session C	12:45 - 2:00 PM
Session D	2:15 - 3:30 PM
Evaluations & Door Prizes	3:30 PM

For more information contact:
Eric Lambert, Small Acreage Program Coordinator
WSU Extension Clark County
eric.lambert@wsu.edu
(360) 397-6060 x 5729

Our Thanks to:

All of our speakers, vendors, and volunteers.



Register at:

[www.brownpapertickets.com/event/2514733.com](http://www.brownpapertickets.com/event/2514733)

Directions to the 78th Street Heritage Farm - 1919 NE 78th St.

From I-5 North or South:

Exit #4 - 78th Street

Go East for .5 miles, through 3 traffic lights and the farm will be on your right.

From I-205 North or South:

Exit #32 - Padden Parkway West

Go West for 2.5 miles and the farm will be on your left.



WSU CLARK COUNTY EXTENSION
Small Acreage Program

Extension programs are available to all without discrimination. If you require special accommodation, call WSU Extension Clark County at (360) 397- 6060 ext 0 prior to the event.

Handout Program

11th Annual Clark County Small Acreage Expo







Saturday, April 2
9:00 AM - 3:30 PM

78th Street Heritage Farm
1919 NE 78th Street
Vancouver, WA

- Workshops
- Prizes
- Lunch
- Networking
- & Much More!

The Small Acreage Program is Jointly Sponsored By:




Welcome to the 7th Annual Small Acreage Expo!

Enjoy the Small Acreage Expo and your time at the 78th Street Heritage Farm. Be sure to check out the open house to learn more about local resources and organizations in Clark County.

Prizes...It's a win, win, win!

1. You must enter to win! Check out the prize packs in the outreach tent.
2. Simply fill out the Small Acreage Expo evaluation, tear off & keep the number in the upper right corner, submit your evaluation.
3. You must be present at 3:45 for the drawing to win.

Where do you find...?

- **Maps:** check-in tent & on main building porches.
- **Water:** outreach tent & drinking fountains inside front door of the main building.
- **Restrooms:** main building & portable toilets across from the check-in tent.

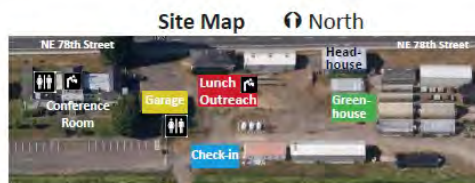
About the Small Acreage Program

The Small Acreage Program is made possible through a partnership between WSU Clark County Extension and Clark County Environmental Services Clean Water Program. We provide education and resources about small acreage management practices that save time & money, improve property aesthetics & value, promote animal health, protect natural resources, and keep our streams clean. The program also supports Clark County farms through workshops, classes, farm tours, and community events for farmers and the public.

Find Us On-line at
<http://clark.wsu.edu>
[facebook.com/smallacreageprogram](https://www.facebook.com/smallacreageprogram)

Workshop Schedule	
Registration & Check-in	8:15 - 8:55 AM
Session A	9:00 - 10:15 AM
Session B	10:30 - 11:45 AM
Lunch/Open House	11:45 - 12:45 PM
Session C	12:45 - 2:00 PM
Session D	2:15 - 3:30 PM
Prize Drawings	3:45 - 4:00 PM

Workshop Locations		
Topic	Session	Location
Farm to Fermentation	A	Conference Rm
The Best of PNW Native Plants	A	Headhouse
Learn to Love Your Clay!	A	Garage
Living On a Stream	B	Garage
Septic Inspection Certification	B	Conference Rm
Weed'em and Reap	B	Headhouse
Gearing Up for Goats	B	Greenhouse
Lunch, Open House, Soil Cube Demo		Tent
Garden Soil Testing & Plant Nutrition	C	Headhouse
Spring-Up Your Pasture!	C	Conference Rm
Mobile Poultry Processing	C	Garage
Raising Pigs for Small Farms	D	Conference Rm
DIY Rain Barrels	D	Headhouse
Composting with Worms	D	Greenhouse
Mobile Poutry Processing (cont.)	D	Garage



Info available at the check-in tent.
 Ladies restroom located at west end of main building.
 Mens restroom located in hallway opposite conference room.

Thanks to our prize donors for their generosity...



Thanks to Clark Public Utilities for supplying tents!

And much appreciation to our speakers from:

Clark Conservation District	Master Composter/Recyclers
Clark County Goat Association	NRCS
Clark County Public Health	OSU Extension
Clark County Vegetation Management	Purely Primal
Clark Public Utilities, AmeriCorps	WSU Extension
Giberson's Plush Poultry	WSU Master Gardeners
LJC Feed	

Extension programs are available to all without discrimination

Expo Sample Press Release

For Immediate Release

March 4, 2016

Contact: Eric Lambert
WSU Extension Clark County
Tel: 360-397-6060 ext. 5729
Fax: 360-759-6524
E-mail: eric.lambert@wsu.edu

WSU Extension Small Acreage Expo Registration Opens

Vancouver, WA – WSU Clark County Extension and the Clark County Environmental Services Clean Water Program invite the community to the eleventh annual Small Acreage Expo on Saturday, April 2 at the 78th Street Heritage Farm.

This year's Small Acreage Expo will offer some fresh topics including rain barrels, raising pigs, native plants, fermenting vegetables, a hands-on demonstration of the Clark Conservation District's mobile poultry processing unit, and much more. Participants can still choose from many of the popular topics offered in previous years such as septic inspection certification, weed management, pasture management, and soil building. Throughout the day, participants can meet and learn more about local organizations and agencies that serve the small acreage community. A program providing full descriptions of all classes as well as online registration is available at <http://www.brownpapertickets.com/event/2514733>.

Eric Lambert, Small Acreage Program Coordinator, says "It's great to see the small acreage community come together for an event focused on topics important to them. We offer a wide variety of classes so there's something for everyone." Doug Stienbarger, County Extension Director adds, "It's great to see folks come to network with other landowners, discover local resources available to them, and learn new practices they can apply to improve their property." Don Benton, Director of Environmental Services notes, "The Expo is one of many Small Acreage Program events that assist landowners while helping our environment."

"Small Acreage Expo"

Saturday, April 2, 2016
8:30 AM to 3:30 PM
78th Street Heritage Farm
Vancouver, WA

Pre-registration is \$15 and includes lunch, \$25 day of. Please call 360-397-6060 ext. 0 to get directions, or for more information about the WSU Clark County Extension's Small Acreage Program.

WSU Extension programs and employment are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

###

Paid Advertisement Sample

The Reflector

**11th Annual Clark County
Small Acreage Expo**

Saturday April 2, 2016 ~ 8:30 am - 3:30 pm
78th Street Heritage Farm

**Prizes, Hands-on
Demos and More!!!**

**Pre-registration only
\$15 with lunch!!!**

**Full event program and registration at:
www.brownpapertickets.com/event/2514733**

Session A	A1 Farm to Fermentation	Session C	C1 Garden Soil Testing & Plant Nutrition
	A2 The Best of PNW Native Plants		C2 Spring-Up Your Pasture!
	A3 Learn to Love Your Clay!		C3 Mobile Poultry Processing: Part 1
Open House Lunch! Network and meet local agencies that serve Clark County			
Session B	B1 Living On a Stream	Session D	D1 Raising Pigs for Small Farms
	B2 Septic Inspection Certification		D2 DIY Rain Barrels
	B3 Weed'em and Reap		D3 Composting with Worms
	B4 Gearing Up for Goats		D4 Mobile Poultry Processing: Part 2

Jointly Sponsored By:


**WASHINGTON STATE
UNIVERSITY
EXTENSION**


**CLARK COUNTY, WASHINGTON
Environmental
Services**

*WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call
WSU Extension at (360) 397-6060 ext. 0 at least two weeks prior to the event.*

Publicity

Clark County FYI – March 16, 2016
& March 23, 2016

Small acreage expo

Date: Saturday, April 2, 2016 - 9:00am
Add this event to your Outlook calendar (iCal)
Add this event to your Google calendar

**11th Annual
Clark County Small Acreage Expo**

Workshops on rain barrels, soil building, pasture management, raising pigs, poultry processing, Pacific Northwest native plants, and much more!

Make the most out of your acreage!

The 11th Annual Small Acreage Expo is a fun and informative event offering workshops on topics small-acreage residents want to know about. Learn from knowledgeable speakers, network with the small acreage community and have a great day at the Heritage Farm!

Topics include:

- Soil building
- Rain barrels
- Native plants
- Septic inspection
- Fermenting local foods
- Raising goats and pigs
- AND MUCH MORE!!!

April 2! Workshops, door prizes, lunch and much more!

What: Small Acreage Expo
When: Saturday, April 2 - 9 a.m. - 4 p.m.
Where: WSU Clark County Extension - 78th Street Heritage Farm, 1919 N.E. 78th St.
Cost: \$15 pre-register / \$25 walk-in, lunch included
Registration and class descriptions at:
www.brownpapertickets.com/event/2514733





WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

The Columbian – March 18, 2015

Annual Small Acreage Expo date announced

By The Columbian

Published: March 18, 2016, 6:04 AM

Vancouver — The Washington State University Clark County Extension and the Clark County Environmental Service Clean Water Program will host the 11th annual Small Acreage Expo 8:30 a.m. to 3:30 p.m. Saturday, April 2, at the 78th Street Heritage Farm.

The event will include information on rain barrels, raising pigs, native plants, fermenting vegetables and a hands-on demonstration of the Clark Conservation District's mobile poultry processing unit, among other topics.

Popular topics from previous years, such as septic inspection certification, weed management, pasture management and soil building, will still be included.

Early registration is \$15 and includes lunch. Day of registration is \$25. Call 360-397-6060 ext. zero for directions or more information.

An event program with descriptions of all classes and online registration is available at <http://www.brownpapertickets.com/event/2514733>.

Appendix F: Harvest Celebration

HARVEST CELEBRATION FLYER

PRESS RELEASE

PAID ADVERTISEMENT

OTHER PUBLICITY

HARVEST CELEBRATION FLYER

18th HARVEST CELEBRATION DAY



18th Annual Tour of
Clark County Farms
Saturday, September 17th
10 am to 3 pm



WASHINGTON STATE
UNIVERSITY
EXTENSION

Showcasing the Bounty of
Clark County Farms

Farm Guide
and Maps at:

<http://clark.wsu.edu>

HARVEST CELEBRATION PRESS RELEASE

September 6, 2016
Contact: Doug Stienbarger
WSU Clark County Extension
Tel: 360-397-6060 ext. 5742
Fax: 360-759-6524
E-mail: stiendm@wsu.edu

18th Annual Harvest Celebration Offers Family Fun On the Farm

Saturday, September 17, 2015

10:00 AM to 3:00 PM

Hazel Dell South, WA – WSU Clark County Extension and local farms across the county invite the community to this year's Harvest Celebration Day on Saturday, September 19. From 10am to 3pm, 10 farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm.

The farms on this year's Harvest Celebration offer a wide range of free activities for the whole family. Yacolt Mountain Farm & Nursery will show off their draft horses working the fields, Half Moon Farm will have a Honey Harvest Celebration, White Oak Alpacas will give talks on raising alpacas, and demonstrations on shearing, spinning and skirting, and Botany Bay will offer guided tours and other festivities. Participants will also meet their local farmers; purchase fresh produce, U-pick, cut flowers, and other farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour fruit orchards, vegetable fields and flower gardens.

Doug Stienbarger, WSU Clark County Extension Director says, "This celebration offers fun for the whole family, while providing an opportunity to meet local farmers and support Clark County agriculture."

This year's Harvest Celebration also features three local farms recognized by WSU Clark County Extension for showing a commitment to stewardship. Compass Rose Alpacas, Yacolt Mt. Farm, and Conway Family Farm were all awarded a sign that reads 'Doing Our Part for Clean Water', for implementing practices that protect clean water and natural resources.

Farm descriptions with maps and an events schedule are available online at <http://extension.wsu.edu/clark/wp-content/uploads/sites/36/2016/09/HC-web-flyer-small-16-final.pdf> or from the Extension office in Vancouver located at 1919 NE 78th Street. Participating farms will be open to visitors from 10 am to 3 pm.

WSU Extension programs and employment are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 prior at least one week to the event.

###

Other Publicity

Clark County FYI
September 14, 2016
September 17, 2014 – p.5

18th Harvest Celebration Day

Date: Saturday, September 17, 2016 - 10:00am

Add this event to your Outlook calendar (iCal)

Add this event to your Google calendar



The poster features a large, bold title "18th HARVEST CELEBRATION DAY" in yellow with a black outline at the top. Below the title is a photograph of a farm scene with a black greenhouse, a wooden fence, and rows of green plants. A white "FREE!" sign is overlaid on the left side of the photo. Text on the right side of the photo reads "18th Annual Tour of Clark County Farms Saturday, Sept. 17 10 a.m. to 3 p.m.". At the bottom left is the Washington State University Extension logo. In the center bottom is a small graphic that says "Showcasing the Bounty of Clark County Farms". At the bottom right is the text "Farm Guide and Maps at: http://clark.wsu.edu".

18th HARVEST CELEBRATION DAY

FREE!

18th Annual Tour of Clark County Farms
Saturday, Sept. 17
10 a.m. to 3 p.m.


WASHINGTON STATE UNIVERSITY
EXTENSION

Showcasing the Bounty of Clark County Farms

Farm Guide and Maps at:
<http://clark.wsu.edu>

The Reflector
September 14, 2016
p. C12

Annual Harvest Celebration Day this Saturday

Washington State University Clark County Extension and local farms across the county invite the community to this year's Harvest

Celebration Day. In Hazel Dell South, as 10 farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm. Farm descriptions with maps and an events schedule are available online at <http://extension.wsu.edu/clark/wp-content/uploads/sites/36/2016/09/HC-web-flyer-small-16-final.pdf> or from the Extension office in Vancouver located at 1919 NE 78th St. The celebration is from 10 a.m. to 3 p.m. Saturday, Sept. 17.

**PEARSON
MEDICAL CENTER**
Dr. Ellis Johnson
527 Second St., Woodland, WA
(Across from Post Office)
• General Practice • Internal Medicine
• Emergency Care
OPEN MONDAY THRU FRIDAY
For Appointment Call
225-8911

PRAIRIE EQUESTRIAN TEAM PRESENTS
DRILL - BEYOND BASICS
September 24 at Clark County Saddle Club • 7:45- about 4:30

Clinician: Mark Plowman

Clinic will cover short summary of basics,
then working through more advanced maneuvers.

Riding Position \$75 • WAHSET/OHSET Rider \$65
Audit the Clinic \$55 • WAHSET/OHSET Audit \$45
Take an additional \$10 off if pre-paid by Sept. 18!

Info: Clark County Saddle Club, 10505 NE 117th Ave., Vancouver, WA 98662
Cell: 503-706-3254 • Email: MarkPlowman1@gmail.com

18th HARVEST CELEBRATION DAY



18th Annual Tour of
Clark County Farms
Saturday, September 17th
10 am to 3 pm

WASHINGTON STATE
UNIVERSITY
EXTENSION

Showcasing the Beauty of
Clark County Farms

Form Guide
and Maps at:

<http://clark.wsu.edu>

CLARK
COUNTY
has a rich
farming
culture
which
will be
celebrated
this
Saturday
in Hazel
Dell
South.

Photo Courtesy Doug Schenberger

Next Door posting , September 8

Harvest Celebration Day is Saturday, September 17! (Clark County Public Health) | Nextdoor

Sign in

Clark County Public Health is on Nextdoor, the private social network for neighborhoods.

Sign up for Nextdoor

Washington

Vancouver

Vancouver Public Agencies

Clark County Public Health


Washington

Vancouver

Vancouver Public Agencies


Clark County Public Health

Activity



Harvest Celebration Day is Saturday, September 17!
Sr Environmental Outreach Specialist Sally Fisher from Clark County Public Health · 8 Sep

This is a great opportunity to visit up to 10 farms in Clark County and see everything from draft horses to honeybees. You'll be able to watch working demonstrations, take tours, purchase flowers and produce, and meet local farmers. It's a great way to spend the day and it is FREE! The event runs from 10 - 3. Go to the website for complete farm descriptions with maps and an events schedule at <http://extension.wsu.edu/clark/wp-content...>



Shared with Clark County Public Health in General

THANK 124 REPLY

[x.com/agency-post/wa/vancouver/clark-county-environmental-services/harvest-celebration-day-is-saturday-september-17-32107041.\[9/16/16 09:23:17\]](https://www.nextdoor.com/agency-post/wa/vancouver/clark-county-environmental-services/harvest-celebration-day-is-saturday-september-17-32107041/[9/16/16 09:23:17])

The Columbian
September 9, 2016
p. C3



The Columbian
September 16, 2016
Weekend Section p. 20



Visit Vancouver USA posting

09-17-2016

FEATURED EVENTS

18th Harvest Celebration Day

September 17, 2016

Location: Clark County Farms

Times: From: 10:00 AM to 3:00 PM

Admission: Free

[Visit Website](#)



Clark County farms face an uncertain future - a future that depends on community support. Tour 10 participating farms in the area, each hosting their own activities, such as meeting horses, a goat milking demo, learning about alpacas, honey tasting, U Cut flowers and more. Participating Farms: White Oak Alpacas - 39908 NE 12th Ave, Woodland Yacolt Mountain Farm &a...

[Details](#) [Map It](#)

Salmon Creek Live posting



WELCOME TO THE NEIGHBORHOOD!

Get the FREE NSCNA Newsletter

Keep up with what's happening in your neighborhood!

FIRST NAME

LAST NAME

EMAIL...

SIGN UP NOW!

NO Spam Zone! For Neighborhood and Community information. We won't sell your email.

More News and ToDo's from around the Community




Vancouver Rocks Its 20th Sturgeon Festival

Kids of all ages and their families are invited to the Vancouver Water Resources Education Center's Sturgeon Festival, celebrating Columbia River ecosystems and sturgeon, one of the longest-lived of a primitive line ... more



Keep the Columbia River Clean

Have you had a chance to walk the Columbia River Waterfront Renaissance Trail? It has great views of the Columbia River, you can walking on a sandy beach, stick your toes in ... more




National POW/MIA Recognition Event

The Community Military Appreciation Committee (CMAC), a civic nonprofit organization, invites the

Home GoLocal! NSCNA Calendar About Th

Harvest Celebration Day Events

Featured Photo (1/13/17)



The 18th annual Harvest Celebration Day showcases the bounty of Clark County farms with a self-guided tour of 10 local farms from 10:00 a.m. to 3:00 p.m. on Saturday, September 17, 2016. Farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm. Connect with local farmers, buy products right from the source, see farm animals, and learn about life on the farm!

Many children (and adults) do not know what their favorite vegetable, fruit, or type of meat looks like as it is being grown or raised; and many have never visited a farm. Now is the time to change that. There are many different types of farms open where you can check out everything from Alpacas to Zinnias, and meet your local farmers.

The farms on this year's Harvest Celebration offer a wide range of free activities for the whole family. Yacolt Mountain Farm and Nursery will show off their draft horses working the fields; Half Moon Farm will have a Honey Harvest Celebration; White Oak Alpacas will give talks on raising alpacas, and demonstrations on shearing, spinning and skirting; and Botany Bay will offer guided tours and other festivities.

Doug Stienbarger, WSU Clark County Extension Director says, "This celebration offers fun for the whole family, while providing an opportunity to meet local farmers and support Clark County agriculture." This year's Harvest Celebration also features three local farms recognized by WSU Clark County Extension for showing a commitment to stewardship. Compass Rose Alpacas, Yacolt Mt. Farm, and Conway Family Farm were all awarded a sign that reads "Doing Our Part for Clean Water", for implementing practices that protect clean water and natural resources.

For more information (and a map) of participating farms and their offerings, please visit [18th Annual Farm Tour and Celebration](#) online.

This post: [Harvest Celebration Day Events](#) was originally featured on [Clark County Live!](#)

For more detailed coverage of the People, Places, Activities and Events throughout the neighborhoods of Clark County, please visit us at [Clark County Live!](#)

Page 77 of 96

Appendix G: Model Property Tour

TOUR FLYERS

PRESS RELEASE

Other Publicity

Tour Flyers

Conway Family Farm Tour Flyer

Small Acreage Tour: Conway Family Farm

Gain valuable ideas for your property, share tips with other landowners, and see stewardship practices in action on this 5-acre farm in Camas.

Conway Family Farm, a working goat dairy for over 20 years, was recognized by WSU Clark County Extension for stewardship in 2006. Participants on this tour will see:

- ◇ Pasture management and rotational grazing practices
- ◇ Controlling runoff and reducing mud
- ◇ Sustainable animal management
- ◇ Micro dairy operations and safety



Small Acreage Tour: Conway Family Farm

Where: Conway Family Farm
(32116 NE Dial Road, Camas)

Date: Tuesday, August 9

Time: 6 to 8 PM

Cost: \$10 per person

Registration and details at:

www.brownpapertickets.com/event/2580693



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



**Clean Water
Program**

WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

Five Sprouts Farm Flyer

Small Acreage Tour: Five Sprouts Farm

Gain valuable ideas, share tips with other landowners, and see stewardship practices in action on this 5-acre farm in Battle Ground.

Five Sprouts Farm, a sustainable homestead started in 2011, was recognized by WSU Clark County Extension for stewardship in 2012. Participants on this tour will see:

- ◇ Managing runoff to keep clean water clean
- ◇ Native plants and riparian plantings
- ◇ Hugelkultur, permaculture design and perennial edible landscaping
- ◇ Raising geese and ducks



Small Acreage Tour: Five Sprouts Farm

Where: Five Sprouts Farm
(22612 NE 72nd Ave)

Date: Saturday, Sept. 10

Time: 10 AM to 12 PM

Cost: \$10 per person

Registration and details at:

www.brownpapertickets.com/event/2589511



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6060 ext 0 at least two weeks prior to an event.

Northwest Organic Farm Flyer

Gira de Granjas Pequeñas: Granjas Organicas Northwest

Aprenda buenas ideas, comparta consejos con otros propietarios y vea otras practicas de protección y responsabilidad en acción en estos 7 acres como granja orgánica certificada.

La Granja Orgánica Northwest, es una granja certificada por su cultivo original de vegetales y frutas y haber sido transmitida de generación en generación. Fué reconocida por la Extensión de la Universidad de Washington en el condado de Clark por Protección y Responsabilidad en el año 2014. Los paticipantes en esta gira aprenderán:

- ◇ Cómo manejar agua corriente y de lluvia
- ◇ Control de maleza y pestes organicamente
- ◇ Cómo proteger las norias y el agua corriente en los subsuelos
- ◇ Mejorar las condiciones de salud de la tierra y mucho MAS!!!

En
Español!



Gira de Granjas Pequeñas: Northwest Organic Farms

Donde: Northwest Organic Farms (17713 NW 61st Ave)

Fecha: Sabado, Sept. 24

Hora: 10 AM to 12 PM

Costo: \$10 por adulto

Registraciones y detalles en:

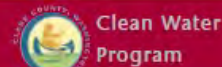
www.brownpapertickets.com/event/2589516



Patrocinado en combinación por: La Extensión de la Universidad de Washington en el Condado de Clark y El Programa de Aguas Limpias.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



Los programas y empleos de la Extensión de la Universidad de Washington estan disponibles a todos sin discriminación. Acomodaciones razonables son ofrecidas a personas con desabilidades y necesidades especiales favor de llamar al numero 360-397-6060 Ext. 0 al menos dos semanas antes de el evento.

Press Release

For Immediate Release

July 15, 2016

Contact: Eric Lambert
WSU Extension Clark County
Tel: 360-397-6060 ext. 5729
E-mail: Eric.lambert@clark.wa.gov

Conway Family Farm Tour Highlights Stewardship

Camas, WA – WSU Clark County Extension’s Small Acreage Program invites participants to tour Conway Family Farm, a micro dairy in Camas that was recognized for stewardship efforts in 2006. The five-acre farm sustainably raises dairy goats, sheep, and chickens in addition to producing blueberries, cheese and ice cream. The Conway’s have managed the farm for over 20 years while implementing practices to reduce mud, improve pasture quality, and control runoff to reduce negative impacts to soil and water quality. Participants will have the opportunity to see rotational grazing, discuss different fencing types, learn about practices to manage runoff and reduce mud, ask animal husbandry questions and see the new creamery facilities.

The Small Acreage Program, co-sponsored by WSU Clark County Extension and Clark County Clean Water Program, will lead the tour with the landowners. The tour begins at 6 pm and concludes at 8 pm. Pre-registration is required and participants will meet at the property in Camas.

Eric Lambert, Small Acreage Program Coordinator, says “The Conway’s have a wealth of information to share about stewardship practices that protect natural resources, keep animals healthy and benefit farm operations.” Farm tours are guided educational events focused on teaching stewardship practices, and are open to everyone.

Conway Family Farms Tour

Tuesday, August 9, 2016 – 6 PM to 8 PM
Camas, WA

Registration is \$10 and tour size is limited, so pre-registration is required. Register and find more details at www.brownpapertickets.com/event/2580693 or call 360-397-6060 ext 5729.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County Extension at (360) 397-6060 ext. 0 prior to the event.

###

Other Publicity

Clark County FYI
July 27, 2016

Small Acreage Tour: Conway Family Farm

Date: Tuesday, August 9, 2016 - 6:00pm

[Add this event to your Outlook calendar \(iCal\)](#)

[Add this event to your Google calendar](#)

Small Acreage Tour: Conway Family Farm

Gain valuable ideas for your property, share tips with other landowners, and see stewardship practices in action on this 5-acre farm in Camas.

Conway Family Farm, a working goat dairy for more than 20 years, was recognized by WSU Clark County Extension for stewardship in 2006. Participants on this tour will see:

- ◇ Pasture management and rotational grazing practices
- ◇ Controlling runoff and reducing mud
- ◇ Sustainable animal management
- ◇ Micro dairy operations and safety



Small Acreage Tour: Conway Family Farm

Where: Conway Family Farm
32116 N.E. Dial Road, Camas

Date: Tuesday, Aug. 9

Time: 6-8 p.m.

Cost: \$10 per person

Registration and details at:

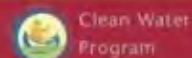
www.brownpapertickets.com/event/2580693



Jointly Sponsored by: WSU Clark County Extension and Clark County Clean Water Program.



WSU CLARK COUNTY EXTENSION
Small Acreage Program



WSU Extension programs and employment are available to all without discrimination. Reasonable accommodations will be made for persons with disabilities and special needs who contact 360-397-6000 ext 0 at least two weeks prior to an event.

Appendix H: Agricultural Entrepreneurship and Business Planning

FLYER

PRESS RELEASE

Other Publicity

PRESS RELEASE

FLYER

Ag Entrepreneurship & *Business Planning*



January 13 - March 16

Wednesdays 6-9pm

Hazel Dell, WA

Learn:

- **Business planning**
- **Direct marketing strategies**
- **Farm & financial recordkeeping**
- **Risk management**
- **Legal issues and much more**



Presented by:
Small Acreage Program



Clark County

WASHINGTON STATE UNIVERSITY
EXTENSION



Learn important small farm business planning skills from industry experts and local farmers. Finish the class with a complete business plan to guide the direction and future of your farm enterprise!

Registration is \$100 per farm or family and class size is limited.

Two person limit per farm or family. Partial scholarships available on a limited basis.

To register, contact Eric at 360-397-6060 ext. 5729 or eric.lambert@wsu.edu

WSU Extension programs are available to all without discrimination.

Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

PRESS RELEASE

For Immediate Release

December 2, 2016

Contact: Eric Lambert
WSU Clark County Extension
Tel: 360-397-6060 ext. 5729
Fax: 360-759-6524
E-mail: eric.lambert@wsu.edu

Ag Entrepreneurship Course Offers Business Planning Support to Small Farms

Wednesdays, January 13 through March 16, 2016

6:00 PM to 9:00 PM

Hazel Dell, WA

Vancouver, WA – WSU Clark County Extension will offer a 10-week course, Agricultural Entrepreneurship and Business Planning, designed to help entrepreneurs develop a workable business plan to guide the success and sustainability of their agricultural enterprise.

The course will help beginning and existing farmers and value-added producers gain skills in business planning and important aspects of operating a sustainable business. Special emphasis is placed on direct marketing, record keeping, and financial and legal issues unique to agricultural businesses. Instructors include farm marketing specialists, accountants, attorneys, agricultural professionals, and local farmers sharing their farming and marketing experience.



“People looking to expand or start an ag-related business will really benefit from the advice, ir CC Photo by Michael Rihani and experiences shared by knowledgeable instructors and local guest farmers throughout the course” says Eric Lambert, Small Acreage Program Coordinator. “A business plan is like a roadmap that can guide farmers to be successful and sustainable,” says Doug Stienbarger, WSU Clark County Extension Director.

Registration is \$100 per farm or family and class size is limited to the first 30 participants. This class series fills up quickly so contact Eric Lambert at eric.lambert@wsu.edu 360-397-6060 ext. 5729 or visit the WSU Clark County Extension events calendar (ext100.wsu.edu/clark/calendar/) for registration details on this terrific learning opportunity. **Deadline for registration is January 11th.**

WSU Extension programs and employment are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 two weeks prior to the event. ###

PAID AD

The Reflector, November 25,
2016

Business Planning for Small Farms

January 13 - March 16 2016

Wednesdays 6:00 - 9:00 pm

Hazel Dell, WA

REGISTRATION IS \$100 PER FARM OR FAMILY

CLASS SIZE IS LIMITED AND FILLS QUICKLY

Registration and information: WSU Clark County Extension
360-397-6060 ext. 5729 / eric.lambert@wsu.edu

Partial scholarships available on a limited basis.

WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Clark County Extension at
(360) 397-6060 ext. 0 prior at least two weeks prior to the event.

Topics Include:

- Business planning and development
- Direct marketing
- Record keeping and budgeting
- Diversifying small farm businesses
- Legal issues, regulations and insurance
- Market analysis and consumer trends

Small Acreage Program



WASHINGTON STATE
UNIVERSITY
EXTENSION

Other Publicity

Camas Washougal Post Record, December 8, 2016

Clark County Extension course offers business planning support to small farms

Registration deadline is Jan. 11

December 8, 2015 10:36 am | 0 comments



The WSU Clark County Extension's Agricultural Business and Entrepreneurship course will help beginning and existing farmers and value-added producers gain skills in business planning and important aspects of operating a sustainable business.

WSU Clark County Extension will offer a 10-week course, Agricultural Entrepreneurship and Business Planning, designed to help entrepreneurs develop a workable business plan to guide the success and sustainability of their agricultural enterprise.

"A business plan is like a road map that can guide farmers to be successful and sustainable," said Doug Stienbarger, WSU Clark County Extension director.

The course will meet Wednesdays, from 6 to 9 p.m., from Jan. 13 to March 16. It is designed to help beginning and existing farmers and value-added producers gain skills in business planning and important aspects of operating a sustainable business.

Special emphasis is placed on direct marketing, record keeping, and financial and legal issues unique to agricultural businesses. Instructors include farm marketing specialists, accountants, attorneys, agricultural professionals, and local farmers sharing their farming and marketing experience.

"People looking to expand or start an ag-related business will really benefit from the advice, insights, and experiences shared by knowledgeable instructors and local guest farmers throughout the course," said Eric Lambert, Small Acreage Program coordinator.

Registration is \$100 per farm or family and class size is limited to the first 30 participants. To register by the Jan. 11 deadline, contact Lambert at eric.lambert@wsu.edu, or 397-6060, Ext. 5729, or visit the WSU Clark County Extension events calendar at ext100.wsu.edu/clark/calendar/.

Other Publicity

The Reflector, December 9, 2016 p.
C5

DECEMBER 9, 2015

Home Scene

The Reflector C5

Course offers business planning support to small farms



Photo courtesy of Small Acreage Program

AN UPCOMING COURSE offered by the WSU Clark County Extension Small Acreage Program will help beginning and existing farmers and value-added producers gain skills in business planning and important aspects of operating a sustainable business.

*Ten-week course will
be on Wednesdays
Jan. 13-March 16*

VANCOUVER – WSU Clark County Extension will offer a 10-week course, Agricultural Entrepreneurship and Business Planning, designed to help entrepreneurs develop a workable business plan to guide the success and sustainability of their agricultural enterprise.

The course will help beginning and existing farmers and value-added producers gain skills in business planning and

important aspects of operating a sustainable business. Special emphasis is placed on direct marketing, record keeping, and financial and legal issues unique to agricultural businesses.

Instructors include farm marketing specialists, accountants, attorneys, agricultural professionals, and local farmers sharing their farming and marketing experience.

"People looking to expand or start an ag-related business will really benefit from the advice, insights, and experiences shared by knowledgeable in-



Photo courtesy of Small Acreage Program

WSU CLARK COUNTY EXTENSION will offer a 10-week course, Agricultural Entrepreneurship and Business Planning, designed to help entrepreneurs develop a workable business plan to guide the success and sustainability of their agricultural enterprise.

structors and local guest farmers throughout the course," said Eric Lambert, Small Acreage Program coordinator.

"A business plan is like a roadmap that can guide farmers to be successful and sustainable," said Doug Stienbarger, WSU Clark County Extension director.

The class will take place on Wednesdays, 6-9 p.m., from Jan. 13 through March 16, 2016 at

the Heritage Farm at WSU Clark County Extension, located at 1919 NE 78th St., Vancouver.

Registration is \$100 per farm or family and class size is limited to the first 30 participants. This class series fills up quickly so contact Eric Lambert at eric.lambert@wsu.edu (360) 397-6060, ext. 5729 or visit the WSU Clark County Extension events calendar (ext100.wsu.edu/

clark/calendar/) for registration details on this terrific learning opportunity. Deadline for registration is Jan. 11.

WSU Extension programs and employment are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060, ext. 0 two weeks prior to the event.


Other Publicity

ClarkNet (formerly Clark County FYI), December 23, 2015

Ag entrepreneurship and business planning

Ag Entrepreneurship & Business Planning

Jan. 13 - March 16
Wednesdays 6-9 p.m.
Hazel Dell

Presented by:
Small Acreage Program
 **Clark County**
WASHINGTON STATE UNIVERSITY
EXTENSION

Learn:



- Business planning
- Direct marketing strategies
- Farm and financial recordkeeping
- Risk management
- Legal issues and much more

Learn small farm business planning skills from industry experts and local farmers. Finish the class with a complete business plan to guide the direction and future of your farm enterprise!

Registration is \$100 per farm or family and class size is limited.
Two-person limit per farm or family. Partial scholarships available on a limited basis.

To register, contact Eric at (360) 397-6060 ext. 5729 or eric.lambert@wsu.edu

WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Extension Clark County
at (360) 397-6060, ext. 0 at least two weeks before the event.



Other Publicity

Vancouver Business Journal, December 11, 2015 p. 1



FOCUS ON: BANKING & MONEY MANAGEMENT
Local experts say impending Fed hike in interest rates will help bring certainty. **PAGE 5**

LOCALLY OWNED & OPERATED | DECEMBER 11, 2015 | VOL. 22, ISSUE 49 | \$2.50

WSU offers course for small farmers, producers

Agriculture professionals will teach business principles like marketing strategies and financial planning

BY WHITNEY HARROD MORRIS | for the VBJ

The Washington State University (WSU) Clark County Extension in Hazel Dell has opened enrollment for Agriculture Entrepreneurship and Business Planning, a course that gives small farmers and wine and cider producers the tools to create a successful business plan.

The 10-week course, offered Jan. 13 – March 16, will focus on marketing, bookkeeping and legal issues related to value-added processes – from organic and animal-welfare certifications to making jam from the farm's own berries.

"The course is about helping entrepreneurs build a business plan that's going to help guide their success and their decision-making," said Eric Lambert, who's the small acreage program coordinator at WSU Clark County Extension. "This isn't a really how-to farm class, but it's about how to make your farm sustainable and resilient through smart business planning."



Courtesy of WSU Clark County Extension

Because farming and production facilities in Clark County are low-volume, small farmers need to find ways to add value to their products to set themselves apart from high-volume competitors.

Throughout the course, business professionals with agriculture expertise – including local attorneys,

marketers and accountants – will give advice on risk management, and business structures related to limited

liability companies (LLC) and sole proprietorship.

For example, Laurie Conway, both a certified public

accountant (CPA) and owner of Conway Family Farm in Camas, will share her experiences on money management in the agriculture industry.

Plus, successful local farmers will discuss their business experiences. Jason Karnezis and Amber Baker, owners of Red Truck Farm, a vegetable farm located in Ridgefield, will discuss best practices and pricing models for selling goods through community supported agriculture (CSA) programs and to restaurants, hotels and hospitals.

"We try to bring in a diversity of farms so people have a good idea of direct marketing options," said Lambert.

The need for the class stems from the growth of small producers (with sales of \$10,000 to \$200,000, according to the United States Department of Agriculture (USDA)) in the region, said Lambert. About 2,000 farms operate in Clark County, according to the

.....
FARMERS: See page 3

Other Publicity

Vancouver Business Journal, December 11, 2015 p. 1 & 3

FARMERS: About 190 students have completed the course since 2008

Continued from page 1

Washington State Department
of Agriculture.

But because farming and
production facilities in Clark
County are low-volume, small
farmers need to find ways to
add value to their products
to set themselves apart from
high-volume competitors,
whether through production or
processing, said Lambert.

"What really drives the success
and continued interest in Clark
County, which is becoming more
developed, is the consumer demand
of knowing where your food comes
from, knowing the person who
produced it, and supporting the
environmental benefits that come
with small farms," said Lambert.

About 190 producers and
farmers have completed the
course since the Small Acreage
program at Washington State
University (WSU) Clark County
Extension first offered it in 2008.
The Small Acreage program offers
resources to residents on how
to manage water quality topics
unique to rural properties.

The Agriculture Entrepreneurship
and Business Planning course
costs \$100 per farm, or family,
and class size is limited to 30
people. To learn more, contact Eric
Lambert at eric.lambert@wsu.edu.

Appendix I: Raising Poultry for Meat

Flyer

Press Release

Flyer

Raising Poultry for Meat

Learn valuable production practices to improve your poultry operation!



This workshop will cover:

- ◇ Selecting the right breed
- ◇ Nutrition and feeding techniques
- ◇ Housing, space and shelter
- ◇ Resources for poultry producers



Saturday, February 13, 2016
9:00 AM to Noon
78th Street Heritage Farm
1919 NE 78th Street
Vancouver, WA
Cost: \$10

Class size limited & pre-registration required. Registration & info at: www.brownpapertickets.com/event/2495040

Sponsored by WSU Clark County Extension, Community & Economic Development Program.



Clark County

WASHINGTON STATE UNIVERSITY
EXTENSION

WSU Extension programs and employment are available to all without discrimination. Evidence of noncompliance may be reported through your local WSU Extension office. If you require special accommodation, call WSU Extension Clark County at 360-397-6060 ext. 0 at least two weeks prior to the event.

Press Release

For Immediate Release

January 25, 2016

Contact: Eric Lambert
WSU Clark County Extension
Tel: 360-397-6060 ext. 5729
E-mail: eric.lambert@wsu.edu

WSU Extension Workshop Sheds Light on Poultry Production

Vancouver, WA – WSU Clark County Extension’s Community and Economic Development Program invites the public to *Raising Poultry for Meat*, a workshop for farms interested in adding poultry production to their marketing mix. The workshop will cover breed selection, nutrition, feeding techniques, shelter requirements, and additional resources for beginning and experienced poultry producers. Participants will also have the opportunity to meet other producers, share ideas, and ask questions.

Participants will receive handouts and informational resources. Larry Giberson, from Giberson’s Plush Poultry, will present to the class bringing over 50 years’ experience in the poultry industry. He raises and exhibits poultry for his business, as well as during his 30 years working with 4H. A follow-up workshop covering on-farm processing will take place at the Small Acreage Expo in early April.

Raising Poultry for Meat
Saturday, February 13, 2016
9:00 AM to Noon
78th Street Heritage Farm
1919 NE 78th St, Vancouver, WA 98665

Registration is \$10, pre-registration required. Registration and details at
www.brownpapertickets.com/event/2495040

Eric Lambert, Small Acreage Program Coordinator says, “This workshop provides participants a great opportunity to learn from someone with decades of experience raising chickens, while also sharing ideas with others in the farming community.”

Doug Stienbarger, Director, adds, “Diversifying their farm operation helps our direct market farmers increase their profitability and sustain their farms.”

Call 360-397-6060 ext. 5729 or email eric.lambert@wsu.edu for more information.

WSU Extension programs and employment are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 two weeks prior to the event. ###

Appendix D: Women in Agriculture Conference

Flyer



March 19, 2016

POWER UP your communication!
POWER UP your farm!



**WHETHER YOU ARE ON FACEBOOK OR FACE TO FACE, IT MATTERS
HOW YOU COMMUNICATE WITH OTHERS!**

Enjoy a day of inspiration, learning and networking with other women farmers.

Our one-day gathering takes place simultaneously in 31 locations throughout Washington, Idaho, Oregon, Montana and Alaska!



Wendy Knopp and **Michael Stolp** with Northwest Farm Credit Services will help you discover your communication style and "pull out" your personality traits to change as the situation changes. Your new skills will improve decision making, build better teams and connect marketing to what motives prospects and customers. Be prepared to leave this conference with new ways to manage, motivate and influence people.

Shelly Boshart Davis, a farmer from Tangent, Oregon, will explain how she changed her communication approach to improve her business strategies, motivate employees, work with her family and increase business sales.

Confidence in your ability to be a successful farmer will strengthen your farming operation!

This conference is designed for women who are currently farming and also new and aspiring farmers.

Here is a location near you!

8:30 a.m. to 3:30 p.m.

**78th Street Heritage Farm
Vancouver, WA**

**Information or questions:
Margaret Viebrock—(509) 745-8531
viebrock@wsu.edu**

Registration fees: \$25 if you register before March 5; \$30 if you register after March 5. Your registration fee includes a light breakfast, lunch and all the conference materials!

Scholarships are available. Visit our website for an application.

For more information or to register, go to our website:
www.WomenInAg.wsu.edu

*Empowering women in
agriculture to achieve goals
and manage risk.*



WSU Extension programs and employment
are available to all without discrimination.

