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# *Small Acreage Landholder Outreach Program 2012 Annual Report*

Submitted to Clark County Clean Water Program

Submitted by WSU Clark County Extension

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## **Executive Summary**

The *Small Acreage Landholder Outreach Program* completed one *Living on the Land: Stewardship for Small Acreages* class series and graduated 28 people in 2012.

The program provided four BMP workshops on fence building, soil and nutrient management, and pasture renovation and establishment which attracted 55 participants. Three well and septic inspection certification and maintenance workshops attracting 68 participants were also held. In addition, the program held two small farm workshops on Washington water rights and rain water harvesting and developing marketing cooperatives for small farms which attracted 45 participants. The program conducted four small acreage property tours for 92 participants.

Four properties were evaluated in 2012 for their efforts to implement BMP's to protect water quality and two signs were awarded. The program also created a brochure to promote the model/merit property program.

### **Task 1 - Best Management Practices (BMPs) Guidelines**

#### **Task 1a - Information Resources**

The Coordinator added announcements for BMP workshops, property tours, the Expo, and *Living on the Land* classes to the WSU Extension website calendar (<http://clark.wsu.edu/calendar/index.asp>).

The program tracks website hits and document downloads monthly and compiles quarterly statistics (Table 1). This year, at least 1,171 visitors accessed the program's website throughout the year, including 975 directly via bookmarks. More than 53% of the visitors to the website came during the first and second quarters, likely due to the many workshops, events and tours offered in the first half of the year.

Factsheets on septic maintenance continued to be popular throughout the year. People downloaded the fact sheet, *Don't Let Your Dollar\$ Go Down the Drain, Septic Tank Additives*, 5,425 times, more than any other document. The fact sheet, *How Green is Your Grass? Five Steps to Better Grazing & Pasture Management*, was the second most popular with 4,776 downloads.

Visitors to the program website dropped slightly after the first quarter before leveling off. Total factsheet downloads increased by 52% compared to last year.

#### *Issues and Recommendations*

The Coordinator hopes to continue this steady rise of download traffic by linking the Small Acreage website to other organizations and by building the program's social media presence.

#### *Deliverables*

The Program tracked hits and downloads throughout the year and reference files were updated as additional materials were located.

**Table 1: Small Acreage Webpage Activity**

<b>Fact sheets</b>	<b>Qtr 1</b>	<b>Qtr 2</b>	<b>Qtr 3</b>	<b>Qtr 4</b>	<b>YTD</b>
Don't Let Your Dollar\$ Go Down the Drain! Septic Tank Additives	1351	1285	1340	1449	5425
How Green is Your Grass? Five Steps to Better Pasture & Grazing Mgmt	924	904	1427	1521	4776
What Can You Do On Your Land? Frequently Asked Questions	662	346	1194	1632	3834
Save Time and Money - Properly Landscape Your Septic System	901	1352	729	449	3431
Keeping Clean Water Clean & Reducing Mud - Improving Drainage	708	1192	530	375	2805
What's Bugging You? Natural Insect Control for Small Acreages	170	564	286	173	1193
Protecting Drinking Water: Simple Tips for Well Maintenance	220	184	440	274	1118
Protecting Your Investment: Inspecting Your Septic System	140	327	161	108	736
Do You Qualify For Reduced Property Taxes? Current Use Taxation	218	154	175	139	686
Reduce Mud and Keep Water Clean: Sacrifice Areas	166	147	162	177	652
Manure Management: Strategies for Collection, Storage & Disposal	157	125	179	190	651
Keeping Clean Water Clean & Reducing Mud: Managing Roof Runoff	186	188	139	124	637
Constructing Ponds and Water Features - What Does It Take?	119	24	169	246	558
Water Quality Self-Assessment for Small Acreages	132	153	120	128	533
Certified Kitchens Fact sheet	144	129	133	112	518
Small Acreage Landowner Services Directory	18	112	44	0	174
Best Management Practices for Small Acreages	22	0	0	79	101
Community Supported Agriculture Brochure	0	0	0	0	56
Information on Small Acreage Management - Resource List	40	0	0	0	40
Simple Steps To Protect Your Surface and Well Water	0	0	0	0	0
Tips On Land & Water Management for Small Acreages in SW WA	0	0	0	0	0
<b>Total Downloads</b>	<b>6,278</b>	<b>7,186</b>	<b>7,228</b>	<b>7,176</b>	<b>27,924</b>
<b>Video Clips</b>					
Manure Management	286	340	327	204	1157
Reducing Mud on Small Acreages	17	11	12	11	51
<b>Total Views</b>	<b>303</b>	<b>351</b>	<b>339</b>	<b>215</b>	<b>1,208</b>
<b>Website Visitors</b>					
Small Acreage Web Page <i>Referred from other sites</i>	375	284	288	224	1171
Direct access/Bookmarked	293	190	273	219	975
BMP Video Web Page <i>Referred from other sites</i>	0	0	0	0	0
Direct access/Bookmarked	0	0	0	0	0
Living on the Land Web Page <i>Referred from other sites</i>	0	0	82	71	153
Direct access/Bookmarked	0	0	0	0	0
<b>Total Visitors</b>	<b>668</b>	<b>474</b>	<b>643</b>	<b>514</b>	<b>2,299</b>

## **Task 1b - Publications**

**IPM Video Clip.** The Coordinator did not complete a video clip on IPM practices. Instead, the Coordinator completed scripts and oversaw filming and of four BMP videos in collaboration with the Clark Conservation District.

**Rainwater Harvesting Video Clip/Factsheet.** The Coordinator has completed part of a factsheet entitled Rainwater Collection for Small Acreages. The remainder of this factsheet will be completed in early 2013.

**Flying Changes Article.** The Coordinator did not submit an article to the Flying Changes magazine.

**Additional Video Clip/Factsheet.** The Coordinator completed 4 additional video clips on the topics of Livestock Exclusion and Off-channel Watering, Managing Manure, Reducing Mud and Protecting Riparian Areas. The videos were posted to the WSU Clark County Extension and Clark County Environmental Services Youtube channels in the fourth quarter ([http://www.youtube.com/user/WSUClarkCo?feature=gb\\_ch\\_rec](http://www.youtube.com/user/WSUClarkCo?feature=gb_ch_rec)). The Coordinator will post links to the videos on the Small Acreage website and Facebook page in early 2013.

### *Deliverables*

Some deliverables were completed for this task. A total of four BMP videos were completed dealing with the topics of Protecting Riparian Areas, Livestock Exclusion and Off-Channel Watering Systems, Reducing Mud and Managing Manure. The scripts and oversight for filming these four videos were done in collaboration with the Clark Conservation District as part of a grant from the Washington Department of Ecology. The Rainwater Harvesting video clip was substituted with a factsheet that is partially completed.

### *Issues and Recommendations*

Due to the priority of BMP videos that needed to be completed with the Clark Conservation District as part of a grant from the Washington Department of Ecology, the Coordinator was unable to complete an IPM video or a Rainwater Harvesting video. The Coordinator did not have time to submit an article to the Flying Changes magazine. The Coordinator will submit an article in 2013 to a more local equine publication.

## **Task 2 - Public Education & Outreach**

### **Task 2a - Living on the Land: Stewardship for Small Acreages**

The program completed the *Living on the Land: Stewardship for Small Acreages* (LOL) class series which ran from September 4 through November 20. The schedule (Table 2) included some changes from fall 2011, including: Jan Boldt (SCORE), Jordan Boldt (Vancouver Farmers Market), Matt Schwab (Inspiration Plantation), Anne Lawrence (Storytree Farm), and Kelley O'Neill (Greengate Farm) replacing Charles Brun for the business opportunities class, Bridgette Bashaw and Eric Lambert replacing Aaron Henderson for the wells and septic class, Rachel Maggi of NRCS replacing Dean Longrie for the living with wildlife class, and Denise Smee of the Clark Conservation District sharing a class with Cary Armstrong to present on resources available at the CASEE Center.

**Table 2: LOL Class Schedule**

Date	Topic	Instructor(s)
9/4	What Do You Have & What Do You Want? / Turning Dreams into Reality	<i>Doug Stienbarger</i> , WSU Clark County Extension
9/11	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 County Community Development
9/18	Getting Down and Dirty with Soil	<i>Gordon French</i> , LJC Feeds
9/25	Business Opportunities	<i>Jan Boldt</i> , SCORE, <i>Jordan Boldt</i> , Vancouver Farmers Market, <i>Matt Schwab</i> , Inspiration Plantation, <i>Anne Lawrence</i> , Storytree Farm, <i>Kelly O'Neill</i> , Greengate Farm
10/2	What to Do About Weeds?	<i>Ron Hendrickson</i> , Clark County Vegetation Management
10/9	Managing Animals to Avoid Negative Impacts	<i>Doug Stienbarger</i> , WSU Clark County Extension
	My Place on a Stream	<i>Jen Naas</i> , WSU Clark County Extension
10/16	Managing Soil to Keep it Productive	<i>Dr. Craig Cogger</i> , WSU Puyallup
10/23	Clark County Clean Water Program Overview	<i>Cary Armstrong</i> , Clark County Environmental Services Clean Water Program
	Clark Conservation District and NRCS Resources	<i>Denise Smee</i> , Clark Conservation District
10/30	Managing Grazing for Sustainable Pastures	<i>Gary Fredricks</i> , WSU Cowlitz County Extension
11/6	How Grass Grows	<i>Gene Pirelli</i> , Forage and Livestock Specialist, OSU Polk County Extension
	Pasture Establishment and Renovation	
11/15	Protecting Household Drinking Water	<i>Bridgette Bashaw</i> , Clark County Public Health <i>Eric Lambert</i> , WSU Clark County Extension
	Maintaining and Inspecting Your Septic System	
11/22	Living With Wildlife	<i>Rachel Maggi</i> , Wildlife Biologist, NRCS
	Focusing on Stewardship: Tying it Together / Graduation	<i>Eric Lambert</i> , WSU Clark County Extension

Twenty-eight participants graduated from the 32 people enrolled; graduation required completing at least six classes. Graduates included 25 who own property. One participant did not yet have property and two others rent acreage with the intent of using the course as preparation for buying small acreage property in the future. Over the course of 12 weeks (36 hours of instruction), one registrant withdrew due to time constraints from a PhD program, while three never showed up to class.

Graduates received a small gift and a certificate of completion. When asked why they signed up for the class, participants cited property planning, best ways to utilize land, improving pastures, weed control, composting, and general knowledge about rural small acreage living. Nine of the twenty-one pre-surveys submitted by graduates indicated that the reason for attending had to do with learning about sustainable practices and stewardship.

Seventy-two percent of course graduates attended at least 75% of the class sessions and five attended every session (Table 3), a similar proportion to previous classes which ranged from 63% to 85% of graduates attending at least 75% of the sessions. The average since 2003 is 75%.

**Table 3: LOL Attendance**

Classes Attended	# Graduates	As % of Graduates
12	5	18%
11	3	11%
10	9	32%
9	3	11%
8	1	4%
7	3	11%
6	4	14%
<b>Total</b>	<b>28</b>	<b>100%</b>

**Profile of LOL Graduates.** Classes were held at the Extension office at the 78<sup>th</sup> Street Heritage Farm in Vancouver. Overall, residents from the northern parts of Clark County represented the largest number of participants with residents from the central and south areas making up the second and third most participants respectively (Table 4). Two participants resided in Clackamas, Oregon.

**Table 4: Geographic Distribution of Graduates**

Location		F03	S04	F04	S05	F05	F06	F07	F08	F09	F10	F11	F12	City Totals
North	Amboy	0	3	4	5	1	3	3	1	2	0	1	1	24
	La Center	6	7	4	5	3	6	5	1	0	3	3	5	48
	Ridgefield	0	5	2	2	7	2	2	6	3	3	0	7	39
	Yacolt	0	6	0	0	1	7	3	0	1	1	1	0	20
	Woodland (Clark Co.)	0	0	2	2	1	2	2	3	0	0	0	0	12
	<b>Subtotal</b>	<b>6</b>	<b>21</b>	<b>12</b>	<b>14</b>	<b>13</b>	<b>20</b>	<b>15</b>	<b>11</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>13</b>	<b>143</b>
Central	Battle Ground	8	14	8	5	4	6	6	7	2	2	3	8	73
	Brush Prairie	2	4	5	2	0	0	2	3	4	0	3	1	26
	<b>Subtotal</b>	<b>10</b>	<b>18</b>	<b>13</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>9</b>	<b>99</b>
South	Camas	1	0	0	1	4	1	1	1	4	2	2	0	17
	Vancouver	4	3	2	3	3	2	2	4	5	5	3	4	40
	Washougal	2	1	3	0	1	3	6	0	0	4	2	0	22
	<b>Subtotal</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>9</b>	<b>5</b>	<b>9</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>79</b>
Out of County		0	0	4	2	2	1	0	5	2	5	1	2	24
<b>Totals</b>		<b>23</b>	<b>43</b>	<b>34</b>	<b>27</b>	<b>27</b>	<b>33</b>	<b>32</b>	<b>31</b>	<b>23</b>	<b>25</b>	<b>19</b>	<b>28</b>	<b>345</b>

Graduates manage 161.3 acres in Clark County averaging 8.5 acres per property, on the low end compared to previous LOL classes (Table 5). Average length of time residing on their land was significantly lower than previous classes at 3.9 years. Ten of the twenty-one graduate properties in Clark County were 10 acres or smaller, which is also similar to past classes. Eighty-six percent of

**Table 5: Graduate Property Characteristics\*\***

Characteristics		F03	S04	F04	S05	F05	F06	F07*	F08	F09	F10*	F11^	F12	Totals
# Graduates		23	43	34	27	27	33	32	31	23	25	19	28	<b>345</b>
# Properties		19	33	27	22	24	25	24	23	12	16	15	21	<b>361</b>
Ac Owned	Total Acreage	132.1	376.8	412.4	317.4	299.1	387.9	323.2	228.9	111.1	267.4	97.2	161.3	<b>3114.8</b>
	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	<b>11.9</b>
	Range	2.5-35	2.5-82	2.3-80.2	5-68	1-60	1-79	2-41	1.6-49	0.8-45	1-67	0.2-25	1-40	
	< = 5 ac	7	13	11	7	7	8	13	12	8	6	8	10	<b>110</b>
	>5 - 10	7	13	3	8	9	11	6	3	2	1	5	6	<b>74</b>
	>10 - 20	1	5	5	4	4	2	1	6	1	3	1	1	<b>34</b>
	> 20 ac	1	3	8	3	4	4	3	2	1	5	1	1	<b>36</b>
Yrs On Land	Average	5.8	7.2	8.3	9.2	8.1	12	5.4	5.7	6	11	7.7	3.9	<b>7.5</b>
	Range	0.1-8.5	0-34	0-38	0-40	0.3-34	0.1-66	0-17	0-26	0.3-30	0.3-40	0.1-32	1-15	
Land with:	Septic System	14	31	25	21	23	24	22	22	10	10	12	18	<b>232</b>
	Well	11	27	25	17	21	23	20	16	9	11	8	16	<b>204</b>

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

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



graduate properties in Clark County (18 out of 21) have septic tanks on their property while 71% of properties have potable water wells (16 out of 21).

Over half the 2012 graduates use land for pasture, vegetable production, and/or lawn. These land uses typically constitute the most common land uses in all the class series (Table 6). The largest land uses by acreage are in pasture and forest, respectively.

**Table 6: Types of Land Use On Graduate Properties**

Land Use	Number of Graduate Properties (Ac)												Total	As % of Graduate Properties
	F03	S04	F04	S05	F05	F06	F07 <sup>+</sup>	F08	F09	F10	F11	F12		
Vegetable Production	12	26	23	13	17	17	16	17	9	11	12	13	185	53%
Orchard Production	7	20	17	10	10	13	15	14	5	10	10	10	140	40%
Landscape	12	20	15	10	11	12	9	14	2	4	8	4	120	34%
Wildlife	9	21	15	12	12	14	9	12	2	6	8	7	126	36%
Lawn	15	27	23	15	18	22	17	13	8	5	14	11	187	54%
Pasture	11	19	15	12	17	18	18	19	10	9	9	13	169	49%
<i>Acres*</i>	<i>22.5</i>	<i>32.5</i>	<i>73.0</i>	<i>57.5</i>	<i>53.1</i>	<i>65.2</i>	<i>80.5</i>	<i>31.0</i>	<i>7.9</i>	<i>53.7</i>	<i>22</i>	<i>36.5</i>	<i>535.4</i>	
Hay	2	6	8	6	2	3	1	5	2	3	1	1	40	11%
<i>Acres*</i>	<i>2.0</i>	<i>39.0</i>	<i>18.0</i>	<i>23.0</i>	<i>5.0</i>	<i>12.0</i>	<i>n/a</i>	<i>51.8</i>	<i>5.0</i>	<i>8</i>	<i>1.9</i>	<i>N/A</i>	<i>165.7</i>	
Forest	9	22	16	8	10	17	9	9	3	8	9	7	126	36%
<i>Acres*</i>	<i>29.0</i>	<i>25.5</i>	<i>30.0</i>	<i>8.0</i>	<i>28.0</i>	<i>116.5</i>	<i>106.3</i>	<i>11.5</i>	<i>15.3</i>	<i>54.6</i>	<i>20.2</i>	<i>35</i>	<i>479.9</i>	

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

Sixty-one percent of graduates in the 2012 class own livestock (Table 7), primarily consisting of poultry (chickens). This year's graduates own the least non-poultry livestock than any other class. Since 2003, poultry, including ducks, chickens, geese, and wild fowl, comprise the most common type of animal owned, followed by alpacas, cattle, and horses. Since poultry manure contains high concentrations of nutrients relative to weight, it can pose an underappreciated danger to water quality. Educating

**Table 7: Numbers of Livestock Owned\***

Animal	F03	S04	F04	S05	F05	F06	F07 <sup>+</sup>	F08	F09	F10	F11	F12	Totals
Poultry	86	112	792	65	40	44	44	108	137	86	58	250	1822
Alpacas	0	7	90	19	41	0	28	12	81	0	11	0	289
Cattle	3	90	23	68	9	43	0	15	0	24	0	8	283
Equine	27	28	25	8	53	18	15	21	14	7	23	7	246
Goats	3	28	4	0	2	73	21	12	48	16	11	3	217
Sheep	0	5	143	0	0	0	8	4	9	2	5	0	176
Swine	0	2	13	0	0	9	90	3	0	0	0	8	125
Llama	12	0	2	9	7	1	10	4	1	0	0	0	46
Rabbits	20	3	0	0	0	0	0	0	6	0	4	0	33
Donkey	0	0	2	4	4	2	2	1	0	4	0	0	19
Ostrich/ Emu	0	6	0	0	0	0	0	0	0	0	0	0	6
<i>Total</i>	<i>151</i>	<i>275</i>	<i>1092</i>	<i>169</i>	<i>152</i>	<i>188</i>	<i>216</i>	<i>179</i>	<i>296</i>	<i>139</i>	<i>108</i>	<i>276</i>	<i>3,262</i>

\* Understates total since not all participants provided numbers of livestock.



landowners on manure management for these and other animals can help reduce the amount of nutrients introduced into stormwater runoff. Overall, the program has educated animal owners on how to best manage the manure from their 3,262 animals over the life of the program.

**LOL Class Evaluations.** Participants evaluated individual class sessions (Table 8). On a scale of one to five (five being the highest), participants indicated satisfaction with the course, ranking no class lower than 4.0 and all but four ranking 4.5 or above. The highest rated classes were Gordon French's 'Getting Down and Dirty with Soils' and Ron Hendrickson's 'What to do About Weeds?', both of which received an average score of 4.8.

**Table 8: LOL Evaluation Summary**

Was the lesson:	Inventory 1	Inventory 2	Soils 1	Business	Weeds	Animals & Streams	Soils 2	H2O Quality & Resources	Grazing	Pastures	Wells & Septic	Wildlife & Stewardship
Overall Score?	4.3	4.5	4.6	4.4	4.7	4.6	4.4	4.7	4.5	4.7	4.0	4.6
Intend to use info?	4.6	4.3	4.8	4.3	4.9	4.6	4.4	4.7	4.6	4.6	4.1	4.8
Learn something new?	4.3	4.4	5.0	4.5	4.8	4.6	4.8	4.8	4.6	4.8	3.9	4.6
<b>Average</b>	<b>4.4</b>	<b>4.4</b>	<b>4.8</b>	<b>4.4</b>	<b>4.8</b>	<b>4.6</b>	<b>4.5</b>	<b>4.7</b>	<b>4.5</b>	<b>4.7</b>	<b>4.0</b>	<b>4.7</b>

Participants also evaluated the 12 week program as a whole (Table 9) (see Appendix F for evaluation forms). When evaluating the entire course, participants stated they learned useful information and the classes answered most of their questions. Most also thought the course length was about right, with two people suggesting it was too long and two suggesting it was too short. Many indicated they would utilize the information learned to change practices on their land, such as building soil, improving wetland habitat, controlling weeds, and managing pastures.

**Table 9: Overall LOL Program Evaluation Summary**

Evaluation Question	Average
What overall score would you give this program?	4.9
Did the program series answer most of your questions?	4.9
Did you learn useful information?	4.8
How much will you use this information to change your practices?	4.4
<b>Average</b>	<b>4.7</b>

Many participants also commented they felt much more knowledgeable about general land management practices and they appreciated the resources and tools provided.

Fall 2012 participants appreciated the information provided, as indicated in their comments below:

"I think about overall impact before I make any changes [to my land]."

"The speakers were great and the information was relevant."

"The biggest benefit for me is having a reference if issues come up. The binder is a great resource and the names and links for each topic are really good to have."

"Thank you so much for this class and all the resources!"

## Knowledge Increases

Knowledge change questions were added to all individual class evaluations for the first time this year. Participants were asked to rate their knowledge on four topics (1, poor to 5, excellent) before they participated in the lesson and after. The difference in these ratings represents the knowledge change experienced by participants. Overall, a vast majority of participants indicated that knowledge was gained on all topics surveyed from each lesson. Cary Armstrong's presentation on 'Watershed Pollution and Clark County Clean Water Program Overview' and Denise Smee's presentation on 'Clark County Conservation District and NRCS Resources' were the only presentations in which all participants indicated at least one level of knowledge change. Ron Hendrickson's 'What to Do About Weeds?' presentation, Gary Fredrick's 'Grazing Management for Sustainable Pastures' lesson, and Gene Pirelli's 'How Grass Grows and Pasture Establishment and Renovation' class also produced strong knowledge gains among participants.

At least 50% of respondents reported increasing their knowledge at least two levels about all but four topics in all classes (Table 10) and at least 70% increased their knowledge about all topics. In the water quality and pastures classes, from 50% to 82% of respondents increased their knowledge at least three levels on all topics. The highest change indicates most landowners were unaware of resources available from the Clark Conservation District.

Although the knowledge increases in the septic systems class appeared lower with our new speaker, over 82% still gained some knowledge. In general, the animals class saw the smallest knowledge increase, but still had at least 70% of respondents gain knowledge.

**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) *
<b>Inventory 1</b>	Goal setting and taking a whole property view	8%	46%	29%	13%	4%	24(3)
	Considering neighbors when setting property goals	8%	46%	29%	13%	4%	23(4)
	Identifying assets on your property	13%	25%	46%	13%	4%	24(3)
	Identifying problems on your property	13%	29%	42%	13%	4%	24(3)
<b>Inventory 2</b>	How to use photo documentation to successfully track your progress and management plans	24%	32%	12%	20%	12%	25(2)
	Identifying limitations when setting property goals	16%	36%	28%	8%	12%	25(2)
	Clark County codes that may affect what you can do on your land	8%	13%	42%	25%	13%	24(3)
	Where to find answers about codes and permits in Clark County	8%	8%	25%	29%	29%	24(3)
<b>Soils 1</b>	Understanding soil structure, type and texture	4%	0%	52%	30%	13%	23(3)
	Causes of erosion and how to minimize them	19%	29%	24%	19%	10%	21(5)
	How to improve soils by adding amendments	9%	13%	26%	39%	13%	23(3)
	How to properly test your soils	4%	13%	39%	30%	13%	23(3)
<b>Business</b>	The importance and value of creating a business plan	18%	27%	27%	14%	14%	22(0)
	Resources available for small business entrepreneurs	5%	23%	41%	14%	18%	22(0)
	Marketing options for small farms	23%	9%	32%	14%	23%	22(0)
	What it takes to start a small business in agriculture	10%	14%	24%	29%	24%	21(1)

Table 10 Continued

	Knowledge Area	Before and After Class Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
Weeds	What to consider when creating a weed management plan	5%	5%	37%	37%	16%	19(4)
	Plant life cycles of weeds	11%	5%	37%	32%	16%	19(4)
	Methods used to control weeds	5%	16%	37%	32%	11%	19(4)
	Identifying weeds in our area	0%	11%	47%	26%	16%	19(4)
Animals & Streams	Understanding the impacts animals can have on our watershed	30%	15%	30%	10%	15%	20(3)
	Best Management practices that help reduce mud	20%	30%	15%	10%	25%	20(3)
	BMPs for managing manure	11%	32%	21%	21%	16%	19(4)
	LID practices you can do at home	15%	15%	15%	30%	25%	20(3)
Soils 2	Understanding major nutrients needed by plants	7%	14%	29%	36%	14%	14(5)
	How soil PH impacts nutrient management	14%	0%	14%	50%	21%	14(5)
	Determining fertilizer needs	7%	14%	36%	36%	7%	14(5)
	How to use manure for fertilizing safely	7%	14%	29%	36%	14%	14(5)
H2O Quality & Resources	Why the Clean Water Program was formed	0%	6%	24%	41%	29%	17(5)
	How the Clean Water Program collects and uses funds to improve our waterways	0%	6%	24%	29%	41%	17(5)
	Clark County's Agricultural Habitat Conservation Ordinance	0%	13%	38%	31%	19%	16(6)
	Resources available at the Clark Conservation District to help landowners	0%	18%	0%	47%	35%	17(5)
Grazing	Grazing management benefits and practices	10%	10%	30%	35%	15%	20(4)
	Feed and forage needs of animals	0%	10%	38%	33%	19%	21(3)
	Things to consider when evaluating hay	0%	5%	38%	33%	24%	21(3)
	Rotational grazing strategies	15%	5%	40%	25%	15%	20(4)
Pastures	Methods for renovating/reseeding pastures	5%	10%	15%	35%	35%	20(1)
	Common grass/legume species for Western WA pastures	10%	5%	25%	35%	25%	20(1)
	Pasture management practices during fall and winter	10%	10%	15%	40%	25%	20(1)
	Grazing management that encourages healthy grass and maximizes available forage	10%	5%	25%	40%	20%	20(1)
Wells & Septic	Knowledge of well and septic maintenance	12%	35%	12%	29%	12%	17(4)
	How to keep my drinking water healthy	12%	29%	29%	12%	18%	17(4)
	Protecting my septic system	18%	29%	29%	12%	12%	17(4)
	How to properly inspect my septic system	12%	24%	18%	35%	12%	17(4)
Wildlife & Stewardship	Different pollinators and their importance	8%	0%	42%	33%	17%	12(0)
	How to encourage pollinators	8%	8%	33%	33%	17%	12(0)
	How to create wildlife	8%	8%	42%	33%	8%	12(0)
	Ways to discourage unwanted wildlife	17%	25%	33%	17%	8%	12(0)

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

**Publicity and Promotion.** Participants learned about the class through several different sources: email notification and program events accounted for 62% of the original participants in the course, while newspapers accounted for 22% (Table 11). The program also promoted the class through individual contacts, county programs, and other WSU lists. See Appendix A for announcements, paid advertisements, and flyers.

**Table 11: How Participants Learned About the LOL Class Series**

Source	No.	%
E-mail	10	31%
Small Acreage Events	10	31%
Reflector	6	19%
Internet (WSU Ext website, Craigslist)	3	9%
Friends, family, and neighbors	2	6%
Columbian	1	3%
Other (CCEHC Directory, word of mouth, other organizations)	0	0%
Post Record	0	0%
<b>Total</b>	<b>32</b>	<b>100%</b>

#### *Deliverables*

The program completed the *Living on the Land: Stewardship for Small Acreages* 12 week course and graduated 28 people.

#### *Issues and Recommendations*

The Coordinator hopes to promote the course at more equine and livestock organizations next year to increase participants who own animals for 2013.

#### **Task 2b - Wells and Septic System Maintenance Workshops**

The program held three Well and Septic Inspection Certification and Maintenance workshops for 2012 (Table 12). The first workshop, held at Lewisville County Park on June 26, drew 28 of the 45 registered. The second workshop was held at East County Fire and Rescue in Camas on September 6 and attracted 26 participants. The third workshop (also part of the LOL class) at the Luke Jensen Sports Park community meeting room attracted 14 general public participants with only minimal promotion.

**Table 12: Wells & Septics Workshop Attendance & Schedule**

Date	Location	Time	Attendance
June 26	Lewisville County Park – Battle Ground	6:30 – 9 pm	28
September 6	East County Fire and Rescue - Camas	6:30 – 9 pm	26
November 13	Luke Jensen Sports Park Community Meeting Room	6:30 – 9 pm*	14
<b>Total Attendance</b>			<b>68</b>

\* Workshop as part of *Living on the Land* class series; members of the public invited, but limited to 15. Figure does not include LOL participants.

While most of the agenda remained similar to previous years' workshops, two new components were added: a hands-on inspection demonstration and a homeowners septic operation and maintenance exam. Passing the exam certifies homeowners with the Department of Public Health to inspect their own gravity fed septic systems every other time (inspections for this type of system are required every

three years and at least every other time the inspection must be performed by a certified O&M professional). Aaron Henderson and Bridgette Bashaw of Clark County Public Health instructed the first workshop together with Aaron covering the septic section and Bridgette covering wells (Table 13). Aaron instructed the entire second workshop and Bridgette instructed most of the final workshop with the Coordinator.

**Table 13: Wells & Septics Workshop Agenda**

Time	Topic
5 min	<i>Introduction</i>
45 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
30 min	<i>Septic System Inspection Demonstration</i> – 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
10 min	BREAK
55 min	<i>Protecting Household Drinking Water</i> - Watersheds and water quality / Where does Clark County's water come from? / What is a well and how does it work? / Testing Drinking Water / Protecting Well Water Supplies
5 min	<i>Homeowners O&amp;M Exam / Evaluations</i>

Participants indicated they heard about workshops via e-mail, local newspapers, other Extension programs, and other Small Acreage Program events. The Coordinator distributes flyers at all Small Acreage Program workshops and outreach events (Appendix B).

In order to draw more participants to these workshops, the Coordinator offered a free coliform bacteria test from Addy Labs. The program secured reduced test fees from Addy Labs. Since high coliform counts can indicate a need for well protection, this draws people to the class: test results are only released if participants attend class, however Addy Labs is required to notify Public Health and the homeowner if unsatisfactory results turn up.

Attendees complete a written evaluation to provide feedback and rate the workshops. In general, attendees at the workshops indicated they appreciated the information provided and positively ranked the sessions, with an overall average ranking of 4.7 over the three workshops (scale of 1 to 5, with 5 being the highest) (Table 14).

**Table 14: Wells & Septics Workshop Evaluation Summary**

<i>(scale of 1 to 5 with 5 being excellent)</i>	June 26	Sept 6	Nov 13
Do you intend to use any of this information?	4.8	4.8	4.5
Was the septic inspection component sufficient?	4.8	4.9	4.5
Was this program understandable?	4.8	4.9	4.3
Did the program answer your questions?	4.7	4.9	4.2
Was this program worth your time?	4.8	4.9	4.6
<b>Average</b>	<b>4.8</b>	<b>4.9</b>	<b>4.4</b>
Participants (n)	28	26	14
Evaluations completed	21	22	12
Percent completed evaluations	75%	85%	86%

Participants were also asked to rate their knowledge on five topics (1, poor to 5, excellent) before they participated in the workshop and after. The difference between participants' knowledge before and after training indicates the change in their knowledge level resulting from information provided by presenters.

When asked to assess their knowledge level about topics before and after the workshop, most respondents indicated an increase of several levels in knowledge on the topics provided (Table 15). Knowledge gain among participants was greatest in the first two classes and when Aaron presented. In each workshop the topic of 'how to properly inspect my septic system' produced the most gain in knowledge among participants with all but 8% of attendees in the final workshop indicating increasing their knowledge least one level. Across the three workshops at least ninety percent of respondents also indicated at least one level of knowledge change on well and septic maintenance.

Participants' indicated the information provided in the workshops was helpful and their comments were consistent with numerical rankings they assigned:

"Learning how to be more proactive about managing our wells and septic [was the part of the program I liked best]."

"The hands-on portion was great for my confidence."

"All the topics were beneficial."

"I was worried I wouldn't understand because I had very little knowledge but the program was very informative and easy to understand."

**Table 15: Wells & Septics Workshop - Change in Knowledge Level**

Workshop	Knowledge Area	Before and After Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
June 26	Knowledge of well & septic maintenance	10%	24%	33%	23%	5%	21 (7)
	Keeping my drinking water healthy	33%	43%	14%	5%	5%	21 (7)
	Protecting my septic system	10%	14%	43%	24%	10%	21 (7)
	How to properly inspect my septic system	0%	19%	14%	14%	52%	21 (7)
	How my management practices impact clean water	43%	14%	23%	5%	10%	21 (7)
Sept 6	Knowledge of well & septic maintenance	5%	14%	41%	32%	9%	22 (4)
	Keeping my drinking water healthy	0%	50%	39%	11%	0%	18 (8)
	Protecting my septic system	9%	14%	36%	32%	9%	22 (4)
	How to properly inspect my septic system	0%	5%	32%	26%	37%	19 (7)
	How my management practices impact clean water	5%	47%	32%	11%	5%	19 (7)
Nov 13	Knowledge of well & septic maintenance	8%	25%	33%	33%	0%	12 (2)
	Keeping my drinking water healthy	50%	17%	25%	8%	0%	12 (2)
	Protecting my septic system	17%	25%	33%	25%	0%	12 (2)
	How to properly inspect my septic system	8%	17%	25%	42%	8%	12 (2)
	How my management practices impact clean water	27%	36%	18%	18%	0%	11 (3)
Combined	Knowledge of well & septic maintenance	7%	20%	36%	31%	5%	55(13)
	Keeping my drinking water healthy	25%	39%	25%	8%	2%	51(17)
	Protecting my septic system	11%	16%	38%	27%	7%	55(13)
	How to properly inspect my septic system	2%	13%	23%	25%	37%	52(16)
	How my management practices impact clean water	25%	31%	27%	10%	6%	51(17)

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



### *Deliverables*

The program completed all three of the planned workshops and exceeded the overall expected attendance.

### *Issues and Recommendations*

The pilot workshops including hands-on demonstration and inspection certification components generated high attendance levels and participants indicated that they felt more empowered to actively manage their septic systems. The Coordinator plans to continue this format in 2013. Aaron Henderson was a major part of the success of the workshops this year and with his departure from Public Health, the Coordinator will have to find a new presenter in 2013.

### **Task 2c - Best Management Practices Workshops**

The Coordinator organized three workshops in 2012 which attracted 55 participants. The first workshop on July 2, Fence Building for Small Acreages, was scheduled to fulfill customer demand based on feedback from evaluations and registration numbers for a cancelled Expo session on fence building. The workshop was presented by Ken Evans from Evans' Fencing in Beaver Creek, Oregon and hosted at True North Alpacas, a La Center merit property. The second workshop on September 20 was on Organic Soil and Nutrient Management and aimed at producers and residents with pasture. The workshop was presented by Heather Havens of Concentrates NW Inc. and the Coordinator. In order to satisfy the attendance levels needed for speaker cooperation, the Coordinator opened up the November 6 LOL Pasture Establishment and Renovation class to the public. The workshop drew nine people and focused on grazing management, seeding techniques, tilling, types of forage, and fall and winter management practices. Gene Pirelli of Oregon State University Extension instructed the workshop.

**Evaluation.** Workshop participants rated the program workshops well with no rating below 4.2 on a scale of one to five, with five being the highest (Table 16).

**Table 16: Evaluation Summary for BMP Workshops**

Question	Jul 2	Sept 20	Nov 6	Total
Do you intend to use any of the info provided?	4.5	4.2	4.5	<b>4.4</b>
Did you learn something new or how to do others differently?	4.7	4.8	4.8	<b>4.8</b>
What overall score would you give this event?	4.6	4.8	4.5	<b>4.6</b>
<b>Average</b>	<b>4.6</b>	<b>4.6</b>	<b>4.6</b>	<b>4.6</b>
Participants	16	24	15	<b>55</b>
Evaluations completed	14 (88%)	18 (75%)	9 (60%)	<b>41 (75%)</b>

Participants also assessed their knowledge about four key topics presented during the three workshops, using a scale of one to five: a response of one equals poor, two fair, three average, four good, and five excellent (Table 17). The difference between participants' knowledge before and after training indicates the relative change in their knowledge level resulting from information provided.

For the July 2 workshop, *Fence Building for Small Acreages*, all respondents increased their knowledge at least one level on fencing basics and how to install high tension fence. Eighty-six percent of



**Table 17: BMP Workshops - Change in Knowledge Levels**

	Knowledge Area	Before and After Workshop Knowledge Change (As percent of respondents <sup>+</sup> )					
		Same	1	2	3	4	N (NR) *
<b>July 2</b>	Fencing Basics	0%	29%	29%	36%	7%	14 (2)
	Using temporary fencing for rotational grazing	14%	29%	29%	21%	7%	14 (2)
	Installing high tension 'Kiwi' fencing	0%	14%	21%	36%	29%	14 (2)
	How pasture management and rotational grazing practices impact water quality	57%	14%	14%	7%	7%	14 (2)
<b>Sept 20</b>	BMPs that minimize soil degradation and pollution	18%	41%	29%	12%	0%	17 (7)
	How to improve soil structure	22%	28%	33%	17%	0%	18 (6)
	How to use organic fertilizer in correct amounts to improve soil	22%	28%	22%	28%	0%	18 (6)
	How soil management practices impact water quality	38%	50%	6%	6%	0%	16 (8)
<b>Nov 6</b>	Methods for renovating and reseeding pastures	11%	22%	44%	11%	11%	9 (6)
	Common grass/legume species in western WA pastures	11%	22%	22%	44%	0%	9 (6)
	Pasture management practices during fall and winter	22%	22%	22%	33%	0%	9 (6)
	Grazing management that encourages healthy grass and maximizes available forage	33%	22%	33%	11%	0%	9 (6)

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

+ May not equal 100% due to rounding

respondents increased their knowledge about using temporary fencing for rotation grazing. Only 43% of respondents gaining knowledge change on how pasture management and rotation grazing practices impact water quality. The Coordinator attributes this to a lack of time committed to this topic due to the packed agenda and intensive hands on nature of the workshop.

Evaluations from the September 20 workshop on *Organic Soil and Nutrient Management* indicate that 82% of respondents increased their knowledge by at least one level about BMPs that minimize soil degradation and pollution. The Coordinator made an effort to emphasize how soil management impacts water quality and 62% of respondents indicated at least one level of knowledge change on that topic.

At least 67% of respondents for the November 6 workshop *How Grass Grows & Pasture Establishment and Renovation* indicated at least one level of knowledge increase on all four topics surveyed. Respondents increased their knowledge most on two topics: methods for renovating and reseeding pastures and common grass and legume species in western Washington pastures.

**Promotion.** The program promoted the workshops through the Small Acreage Facebook page, press releases, e-mails to WSU listservs, and, paid advertisements, fliers provided at other events (Appendix C).

#### *Deliverables*

The program completed all three of the proposed BMP workshops with 55 people attending.

#### *Issues and Recommendations*

The Coordinator will dedicate more time to emphasizing the relationship between BMPs taught in the workshop and how they impact water quality.

## Task 2d - Outreach Events and Promotional Activities

**Washington State Horse Expo.** The Washington State Horse Expo was held at the Clark County Fairgrounds from February 17-19. The program shared a booth with Clark County Vegetation Management and provided factsheets, collected names to add to the listserv, and promoted the programs offered throughout the year. The Coordinator was unable to give presentations about BMPs because the Horse Expo event coordinator did not provide time in the schedule as originally promised.

**Clark Conservation District Plant Sale.** The program provided factsheets and flyers promoting the Small Acreage Expo at the Clark Conservation District annual plant sale February 23 to 25 at the CASEE Center in Brush Prairie.

**Small Acreage Exposition.** The seventh annual *Small Acreage Expo* was hosted at the 78<sup>th</sup> Street Heritage Farm on Saturday, April 14<sup>th</sup> and drew 105 people. The Coordinator distributed flyers at outreach events, workshops, farm supply stores, and libraries; sent e-mails to all WSU Extension listservs; and posted the Expo program and registration on the WSU Extension and Small Acreage web pages. Paid advertisements were placed in *The Reflector* in late March and early April. Press releases were submitted to all local media (Appendix D).

Fourteen speakers presented on 14 different topics, including rainwater harvesting, drainage solutions, septic inspection, and manure composting. Participants selected from four concurrent classes during each session (Table 18). Low registration forced cancellation of one session, Livestock IPM. The Hands-On Fencing Demo was also cancelled because the speaker backed out the week prior to the event. Several sessions provided participants with hands-on opportunities, tours, and demonstrations. In addition, an open house was held during the lunch break which featured local resources and agencies available to assist small acreage landowners.

**Table 18: Small Acreage Exposition Schedule**

	Time	Session	Title	Speaker(s)
Session A	9:00 to 10:15	A1	Get the Lime Lowdown	Gordon French, LJC Feeds
		A2	Creating Habitat for Pollinators	Anitra Gorham, NRCS
		A3	Forages and Animal Nutrition	Gary Fredricks, WSU Cowlitz County Extension
		A4	Weed ID and Management	Ron Henderson, Vegetation Management
Session B	10:30 to 11:45	B1	Cheese Making	Lorrie Conway, Conway Family Farms
		B2	Septic Inspection Certification	Aaron Henderson, Clark County Public Health
		B3	Rain Water Harvesting	Eric Lambert, WSU Clark County Extension
		B4	Hands-On Fencing Demo	Liam Shaw, Gallagher Fencing
	11:45 to 1:00		Open House, Greenhouse Tour, Manure Spreader Demo, Lunch	
Session C	1:00 to 2:15	C1	Mushroom Cultivation	Tony Migas, Fungal Endeavors
		C2	Livestock IPM	Holly Ferguson, WSU Prosser
		C3	Drainage Solutions	Seth Kenworthy, Drainage Masters
		C4	Farm Tour	Blair Wolfley, WSU Clark County Extension
Session D	2:30 to 3:45	D1	Sustainable Small Forest Mngt.	Michelle Peterschick, DNR Small Forest Landowners
		D2	Biodynamic Farming	Jacqueline Freeman, Friendly Haven Rise Farm
		D3	Managing Manure	Denise Smee, Clark Conservation District
		D4	Pasture Renovation and Mgmt.	Gene Pirelli, OSU Extension

Participants received check-in packets of handouts on small acreage property management, a schedule of Expo classes (Appendix D), information on upcoming events, and program promotional materials. Registration was free, but registrants could purchase lunch for \$10 from a local caterer. The 4-H Robotics Club sold snacks, coffee, tea, and drinking water as a fundraising function. The Coordinator arranged for nine organizations and three businesses to set up informational displays or provide informational materials. Groups that were present included Vegetation Management, Clark Conservation District, DNR Small Forest Landowners, Naturescaping SW Washington, Master Composters, Master Gardeners, Master Food Preservers, Watershed Stewards and the Small Acreage Program.

Fifty-six participants submitted evaluations for the event as a whole, a return rate of 53% (Table 19). Once again, offering door prizes in exchange for completing evaluations likely contributed to this return rate. Respondents rated the program overall an average of 4.5, with no ranking below 4.3 on a scale of one to five, five being the highest. Of those participants that completed an event evaluation, 77% indicated they would recommend the program to others.

**Table 19: Overall Event Program Evaluation**

	Average	N (NR)*
What overall score would you give this event?	4.7	55 (51)
Do you intend to use any of the information provided?	4.4	52 (54)
Did you learn something new or how to do others differently?	4.7	53 (53)
How much will you use this information to change what you do on your land?	4.3	53 (53)
<b>Overall Average</b>	<b>4.5</b>	
Attendance	106	
Evaluations Completed (n)	56	
Returned Evaluations	53%	

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

**Individual Expo Sessions.** The individual classes were evaluated for knowledge change and participant feedback. Participants were also asked to rate their knowledge on five topics (1, poor to 5, excellent) before and after the workshop. The difference indicates the change in their knowledge level resulting from information provided by presenters.

Due to the open nature of the classes, participant counts cannot be accurately made and often the evaluations returned are so few that no general interpretations can be drawn. For the participants who responded, the Expo appears to provide information they are interested in and find valuable.

The majority of respondents from all classes reported their knowledge levels increased at least one or two levels about most topic areas in the workshops (Table 20). For the participants who responded, the Expo appears to provide information they are interested in and find valuable.

Gordon French returned again this year to present about appropriate timing and quantities of applying fertilizers and limes to local pastures. Eighty-nine percent of respondents indicated at least a one level increase in knowledge about how to utilize soil test to determine fertilizer and lime application rates and all respondents indicated that they would use that information to change what they do at home. Gordon continues to provide a high quality presentation that provides the information landowners are looking for.

**Table 20: 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) *
Lowdown on Lime	Understanding soil pH & basic soil biology	11%	44%	33%	11%	0%	18 (1)
	Utilizing soil tests to determine fertilizer and lime application rates	11%	28%	56%	6%	0%	18 (1)
	Applying lime for soil and pasture health	17%	28%	28%	28%	0%	18 (1)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%		18 (1)
Creating Habitat for Pollinators	The importance of pollinators for agriculture	30%	30%	40%	20%	0%	12 (21)
	Native pollinators in the Pacific Northwest	20%	20%	20%	60%	0%	12 (21)
	How to create habitats that encourage native pollinators	10%	10%	30%	50%	20%	12 (21)
	Will you use any of the information to change what you do at home?		Yes 82%		No 18%		11 (22)
Weed ID & Mgmt	Properly identifying problem weeds in Clark county	0%	0%	83%	17%	0%	6 (8)
	Properly utilizing pesticides to control weeds	33%	17%	50%	0%	0%	6 (8)
	Other methods of controlling weeds on your property	0%	17%	33%	50%	0%	6 (8)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%		6 (8)
Cheese Making 101	Types of cheese that can be made at home	0%	0%	22%	39%	39%	15 (20)
	The process of making cheese at home	0%	6%	11%	44%	39%	15 (20)
	Overall, what was your knowledge of this topic	0%	0%	17%	50%	39%	15 (20)
	Will you use any of the information to change what you do at home?		Yes 93%		No 7%		15 (23)
Septic Inspection Certification	The importance of inspection your septic system	23%	26%	39%	6%	6%	33 (5)
	How to properly inspect your septic system	0%	16%	26%	45%	13%	33 (5)
	How often your septic system should be inspected	16%	23%	23%	19%	19%	33 (5)
	Will you use any of the information to change what you do at home?		Yes 94%		No 6%		33 (5)
Rainwater Harvesting for Small Farms	Regulations regarding rainwater harvesting for non-potable uses	11%	21%	37%	21%	11%	19 (5)
	Storage systems for rainwater harvesting	11%	26%	37%	16%	11%	19 (5)
	Small farm uses for captured rainwater	26%	21%	26%	21%	5%	19 (5)
	Will you use any of the information to change what you do at home?		Yes 69%		No 31%		16 (8)
Mushroom Cultivation	Suitable mushrooms for home cultivation	6%	6%	31%	44%	13%	16 (22)
	Mediums used for mushroom cultivation	0%	13%	38%	44%	6%	16 (22)
	How to cultivate mushrooms at home	0%	6%	38%	38%	19%	16 (22)
	Will you use any of the information to change what you do at home?		Yes 81%		No 19%		16 (22)

Table 20 Continued

Expo Session	Knowledge Area	Before and After Class Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR) *
Drainage Solutions for Small Acreages	How to manage runoff	7%	60%	33%	0%	0%	15 (12)
	Utilizing French drains and other methods to manage runoff	7%	33%	47%	13%	0%	15 (12)
	How to build and install a French drain	7%	50%	36%	7%	0%	14 (13)
	Will you use any of the information to change what you do at home?		Yes 93%		No 7%		14 (13)
78 <sup>th</sup> Street Heritage Farm Tour	History of the 78 <sup>th</sup> Street Heritage Farm	0%	13%	13%	63%	13%	8 (4)
	How this land is being utilized to serve the community in Clark County	0%	13%	25%	38%	25%	8 (4)
	Resources available at the 78 <sup>th</sup> Street Heritage Farm	0%	0%	63%	25%	13%	8 (4)
	Will you use any of the information to change what you do at home?		Yes 71%		No 29%		7 (5)
Sustainable Small Forest Mgmt	Conservation options for your forested land	14%	14%	14%	57%	0%	7 (1)
	Uses for your forested land	57%	14%	14%	14%	0%	7 (1)
	Overall, what was your knowledge of this topic	14%	29%	0%	57%	0%	7 (1)
	Will you use any of the information to change what you do at home?		Yes 40%		No 60%		5 (3)
Biodynamic Farming	Biodynamic principles	11%	22%	39%	28%	0%	18 (8)
	Biodynamic management practices	12%	29%	35%	24%	0%	17 (9)
	Overall, what was your knowledge of this topic	17%	22%	39%	22%	0%	18 (8)
	Will you use any of the information to change what you do at home?		Yes 82%		No 18%		17 (9)
Pasture Renovation and Establishment	Methods used to renovate a pasture	8%	42%	25%	25%	0%	12 (4)
	Pros and Cons of various grass species	7%	36%	29%	29%	0%	14 (2)
	The relationship between root growth and pasture health	8%	38%	8%	46%	0%	13 (3)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%		13 (3)

\* 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.

Anitra Gorham from NRCS presented on *Creating Habitat for Pollinators*. Ninety percent of respondents increased their knowledge change at least one level about how to create habitat for native pollinators.

Weed identification and management was again presented by Ron Hendrickson of Clark County Vegetation Management. Eighty-three percent of respondents indicated at least two levels of knowledge increase on how to properly identify problem weeds in Clark County.

Lori Conway taught a very popular cheese making demonstration and although the topic had little to do with land or animal management, the class attracted many first time expo attendees and helped to publicize the Small Acreage Program and the Expo. All respondents indicated at least one level of knowledge change on all topics presented by Lori.

Aaron Henderson of Clark County Public Health gave a practical presentation on septic maintenance that included a chance for those with a gravity fed system the opportunity to get certified to inspect their own system. All respondents indicated at least one level of knowledge change about how to properly inspect a septic system.

The Coordinator created and presented a session on Rainwater Harvesting for Small Farms in collaboration with Watershed Stewards Coordinator, Jen Naas who gave a short demonstration on how to connect multiple rain barrels. Eighty-nine percent of respondents indicated at least one level of knowledge change on the topics of rainwater harvesting regulations and storage systems.

Tony Migas, a recent LOL graduate and owner of Fungal Endeavors, presented on mushroom cultivation to a well attended class which was filmed by Edible Portland for a media piece. Fifty to 57% of respondents increased their knowledge at least 3 levels about workshop topics.

Seth Kenworthy of Drainage Masters, a local landscaping and drainage installation business provided an interactive and hands-on presentation to attendees on how to utilize different types of drainage installations to manage roof runoff. Ninety-three percent of respondents indicated at least some increase in knowledge on all topics presented.

Former WSU Clark County District director, Blair Wolfley provided participants with a tour of the 78<sup>th</sup> Street Heritage Farm. The tour highlighted the history of the farm, how the space is used to benefit the community and the resources provided by WSU Extension. All respondents increased their understanding of all of the topics covered.

The Department of Natural Resources Small Forest Landowners office presented on sustainable small forest management and how forest landowners can benefit from conservation programs offered by the organization. Many of the participants interested in the topic commented that they found out that their forested land was too small to be eligible for the programs offered. This topic will probably be left out in future years.

Model property owner Jacqueline Freeman presented on biodynamic farming to a full class. Over 80% of respondents increased their knowledge at least one level of knowledge for all topics presented. Jacqueline continues to be a very active, helpful and talented presenter for a number of Small Acreage topics.

Gene Pirelli from OSU Extension gave a presentation on Pasture Renovation and Establishment that was followed by a pasture walk on an area that had been converted from raspberry production to pasture about 10 years ago and mostly neglected since. Ninety-two percent of respondents showed a knowledge gain of at least one level and all respondents said they would use the information they learned to change practices at home.

Denise Smee from the Clark Conservation District provided a presentation on manure management. However, since only five people attended her workshop and her PowerPoint presentation did not work on the computer, Denise conducted a question and answer session, for which no evaluations were collected.

Gary Fredricks also presented on Forages and Animal Nutrition, but participants only returned one evaluation.



Evaluation return rates remained low, a trend for previous Expos as well. The Coordinator plans to hire more help next year so that someone can be at each session to remind people to fill out evaluations and collect them. Another possible solution to this might be to provide tickets for the door prizes to participants for every evaluation they turn in. Thus, the more evaluations they turn in, the greater their chance of winning a prize. The Coordinator will examine doing this for next year's event.

Nineteen respondents indicated they would change their strategies for managing runoff, riparian areas, weeds, and/or pastures within a year as a result of what they learned at the Expo:

"[The management practices I'll change are] biodynamic pasture, mud management, and rainwater collection."

"[The management practices I'll change are] manure and pasture management."

"Three out of four of my classes were amazing and full of info."

"Everything [was the most informative and I'm] very excited about Clark County resources."

**Home and Garden Idea Fair.** The Coordinator partnered with the Watershed Stewards to create a display at Clark Public Utilities' Home and Garden Idea Fair. The display featured a cross section model of a French drain as a solution to drainage issues. The display also promoted the model property signage program, advertised the Small Acreage Program's class and workshop offerings, provided factsheets, and signed people up on the listserv.

**Veterinarian and Farrier Outreach.** The Coordinator sent flyers about program offerings to some veterinarians early in 2012. The Coordinator did not have time to establish better connections to more local veterinarians and farriers.

**Harvest Celebration.** The 14<sup>th</sup> annual Clark County Harvest Celebration drew 1064 people on Saturday September 15<sup>th</sup> from 10 am to 3 pm. The event showcased thirteen farms, including four signage properties. Sunny weather helped boost attendance at most farms (Table 21). Some of the farms did not have volunteers for part of the day to count visitors so some attendance numbers may be

**Table 21 : 2011 Harvest Celebration Attendance**

Farm	Visitors	Multiple Farm Visitors
Northwest Organic Farms	564	n/a
Inspiration Plantation	94	11
Kunze Farms	85	13
Storytree Farm*	52	n/a
Yacolt Mt. Farm & Nursery	52	10
Compass Rose Alpacas*	49	15
Bi-Zi Farms	41	12
Linda's Dahlias & More	40	4
Conway Family Farm*	28	24
Joe's Place Farms	27	3
Rusty Grape Vineyard	13	14
Livingston Mountain Alpacas*	12	12
Heisen House Vineyards	7	4
<b>Total</b>	<b>1064</b>	<b>122</b>

\* Farms with clean water signage.

+ Inspiration Plantation and Bi-Zi Farms only counted visitors until 12:30.



slightly under reported. Every farm displayed a poster highlighting its features and each of the four clean water signage farms displayed an additional poster highlighting the BMP's they have implemented on their properties.

The Coordinator 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*, the *Capital Press* and the *Post Record* (Appendix D).

#### *Deliverables*

All the deliverables were met except the veterinarian and farrier outreach, which did not take place.

#### *Issues and Recommendations*

The Coordinator will examine other incentives to encourage participants to complete and return all evaluations since low return rates persist for individual session evaluations of the Small Acreage Expo.

Although the display is staffed with volunteers to answer questions that HGIF attendees may have, the Watershed Stewards are not always aware of issues related to small acreage management. The Coordinator is planning on developing interactive models that provide interpretive information on BMPs that landowners could implement.

The veterinarian and farrier outreach should be started early in 2013. A brochure listing upcoming program events, workshops, and resources will be created for professionals in these industries to hand out to clientele.

Finding enough volunteers to count participants at all of the farms on the Harvest Celebration remains a challenge. The Coordinator will either scale back the number of farms participating, or find a better way to attract volunteers. Farms with staff or family to assist in this manner will be given priority.

### **Task 2e - Outreach Database**

The Coordinator added 190 names and emails to the listserv in 2012. The Coordinator continues to utilize returned mail from the first quarter mailings to update the Small Acreage database. The e-mail listserv is updated as needed, based on sign ups received at outreach events, workshop, and class registrations; and requests for removal.

#### *Deliverables*

The outreach database and e-mail listerv were updated throughout the year as needed.

#### *Issues and Recommendations*

There are none.

### **Task 3 - Model Small Acreage Properties**

#### **Task 3a - Property Tours**

The program completed all of four planned tours to model properties. Tours demonstrated sound management practices to minimize surface water pollution and improve overall property aesthetics to 92 participants. The tours provided a casual, peer-to-peer learning environment which promotes acceptance and understanding of information about BMP implementation.

The Coordinator promoted tours through flyers at program events, the listserv, other WSU program listservs, paid advertisements, press releases to local newspapers, a listing on CraigsList, and press releases (Appendix E).

Two property tours took place in the second quarter with the first hosted by Friendly Haven Rise Farm on May 20, which attracted 34 participants. The tour highlighted manure management, composting, chemical free pasture management, wildlife habitat, and integrated pest management.

The second tour, hosted by Columbia Gorge Horse Stables on June 23, attracted 18 participants. Despite pouring rain, tour goers were able to see excellent stormwater management, a sand pen sacrifice area, pasture management, safe well and septic maintenance, manure management using a spreader, and learn about controlling weeds.

The third property tour took place on September 22 at Conway Family Farm in Camas. The tour attracted 19 participants and highlighted pasture management, IPM, rotational grazing, stormwater runoff management, and manure management.

The fourth tour on October 6 at GreenGate Farms in Battle Ground, attracted 21 participants and discussed manure management, bedding for animals, barn and stable design, controlling stormwater runoff, pasture management, rotational grazing and footing to reduce mud.

**Evaluation.** Sixty-five percent of participants returned evaluations for the May 1 tour, rating the overall at 4.7 on a scale of one to five, with five being highest (Table 24).

**Table 24: Evaluation Summary for Small Acreage Tour**

	<b>May 1</b>	<b>Jun 23</b>	<b>Sept 22</b>	<b>Oct 6</b>
Do you intend to use any of this information?	4.4	4.5	4.6	4.5
Did you learn something new or how to do other differently?	4.7	4.6	4.4	4.4
What overall score would you give this tour?	4.7	4.9	4.5	4.4
<b>Average</b>	<b>4.6</b>	<b>4.7</b>	<b>4.5</b>	<b>4.4</b>
Participants	34	18	19	21
Evaluations Completed	22 (65%)	17 (94%)	18 (95%)	19 (90%)

In an effort to increase the response rate of evaluations at farm tours, the Coordinator held a drawing to give away Small Acreage pasture sticks for participants submitting evaluations. This greatly improved the response rate for the June 23 workshop where 94% of participants returned evaluations. The average overall score for the tour was 4.9.

The September 22 tour also had excellent response rate for evaluations, with 95% of participants returning evaluations. Sixteen of 17 respondents indicated that they were likely or definitely going to use the information learned on the tour, while all 18 respondents in the October workshop said they were likely to use the information from the workshop.

Participants were also asked to rate their knowledge on five topics (1, poor to 5, excellent) before and after the tour which indicates the change in their knowledge level resulting from information provided. Knowledge changes varied significantly between the tours due to property owners highlighting different practices and implementing different BMPs to varying degrees of success.

On the May 22 tour, 64% of the respondents showed at least a one level increase in knowledge about IPM, but only 33% of respondents indicated a knowledge change on how management practices impact water quality (Table 25).

**Table 25: Small Acreage Tours - Change in Knowledge Levels**

Date	Knowledge Area	Before and After Tour Knowledge Change (As percent of respondents <sup>+</sup> )					
		Same	1	2	3	4	N (NR) *
May 22	Pasture management	41%	41%	18%	0%	0%	22 (12)
	IPM	36%	41%	23%	0%	0%	22 (12)
	Controlling and managing runoff	55%	27%	18%	0%	0%	22 (12)
	Biodynamic practices	41%	9%	45%	0%	5%	22 (12)
	How management practices impact water quality	67%	14%	19%	0%	0%	21 (14)
Jun 23	Pasture management	38%	31%	25%	0%	6%	16 (2)
	Manure management	31%	19%	25%	19%	6%	16 (2)
	Ways to control and manage runoff	25%	31%	38%	0%	6%	16 (2)
	Knowledge of creating a sacrifice area	27%	27%	20%	7%	20%	15 (3)
	How management practices impact water quality	31%	25%	25%	13%	6%	16 (2)
Sep 22	Pasture management	11%	22%	33%	17%	17%	18 (1)
	Manure management	24%	24%	35%	12%	6%	17 (2)
	Ways to control and manage runoff	29%	35%	18%	6%	12%	17 (2)
	How management practices impact water quality	29%	35%	18%	6%	12%	17 (2)
Oct 6	Barn and stable design	56%	25%	6%	6%	6%	16 (5)
	Manure management strategies and practices	38%	38%	13%	0%	13%	16 (5)
	Ways to control runoff and reduce mud	38%	31%	19%	6%	6%	16 (5)
	How management practices impact water quality	47%	47%	0%	0%	7%	15 (6)

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

+ May not equal 100% due to rounding

At least 62% of respondents increased their knowledge one level or more in the June 23 tour on the topics of pasture management, manure management, stormwater control, sacrifice areas and how management practices impact water quality.

At least 71% of respondents at the September 22 tour increased their knowledge at least one level about pasture management, manure management, controlling runoff, and how management practices impact water quality. Six respondents (34%) indicated 3 or more levels of knowledge change on the topic of pasture management, the highest of any topic covered during 2012 farm tours.

On the October 6 tour 62% of respondents indicated at least one level of knowledge change on the topics of manure management and controlling runoff. Fifty-three percent of respondents increased knowledge on how management practices impact water quality.

Participants commented they would implement some of the best management practices discussed at the tours on their own properties and found them to be informative:

“[The most informative part of the tour was] water and land management.”

“[I plan to implement] native plants, bee keeping, composting, a chicken tractor and hugel beds.”

“[I plan on] improving my sacrifice area by improving the drainage.”

“[I plan to implement] rotational grazing, portable electric fencing and rain barrels.”

#### *Deliverables*

Four tours were completed.

#### *Issues and Recommendations*

The Coordinator will make an effort to emphasize how management practices impact water quality in future tours. The Coordinator will also work with landowners hosting tours to create a sheet with bullet points highlighting each BMP to make sure those aspects are covered clearly.

### **Task 3b - Signage Recognition**

The Coordinator highlights the signage recognition program at all property tours, classes, and workshops. Requests for those landowners interested in participating in the program are also solicited at the Expo and all other outreach events. Referrals are also received from the Clark Conservation District. Requests are also made annually to the small acreage listserv and former LOL graduates.

The Coordinator conducted four site visits to local properties in 2012. Two of those properties qualified for signage: a five acre farm Battle Ground and a five acre horse stable in Ridgefield. The landowners were awarded signs and photos were posted on the Small Acreage Facebook page congratulating them on their achievement.

The proposed 2013 calendar featuring 11 model/merit properties was completed and distributed to local feed stores. For each month, a property submitted an aesthetic photo of their choice. One BMP that the property implements particularly well was featured, in addition to a few other practices that qualified them for a sign. The remaining calendars will be distributed to the participating landowners and at upcoming outreach events.

#### *Deliverables*

The program was able to award two out of the eight required properties with a sign.

#### *Issues and Recommendations*

The calendar highlighting signage properties took a significant amount of time and it is not known if it matches the education effectiveness of other projects.

The Coordinator was able to increase interest in the signage program, but arranging visits is slow. Follow up is key to this project and the Coordinator plans to maintain contact to set up a visit in 2013 with farms that expressed interest in 2012.

### **Task 3b – Promoting of Model Properties**

In an effort to increase participation in the model property signage program, the Coordinator created a promotional rack card that clearly outlines the program. The card was created with the help of graphic designers at the Clark County Public Information Office and includes information on why and how to participate, benefits of participating and what it takes to qualify. The card is handed out at outreach events, workshops and tours.

The Coordinator was not able to complete a before and after display featuring three model properties. Time was not sufficient to pursue this project.

#### *Deliverables*

The Coordinator completed the informational rack card promoting the model property signage program. The before and after displays of model properties was not completed.

#### *Issues and Recommendations*

The Coordinator was unable to begin the before and after display of model properties because of a lack of time. Though this would be a helpful display at outreach events, the Coordinator has a different display planned for the 2013 scope of work.

## **Task 4 – Small Farms Outreach**

### **Task 4a - Agricultural Entrepreneurship**

The program organized an *Agricultural Entrepreneurship and Business Planning* class series based on previous classes (Table 26). The syllabus closely matched that of 2011, with the addition of a class on greenhouses replacing a segment on labor options for small farms. WSU's Katrina Gallardo was unable to speak for the market analysis class so Jan Boldt from SCORE, Jordan Boldt from the Vancouver's Farmers Market, and Ronnie Noize from SOHO Marketing presented on that topic. Participants learned about business planning, marketing methods and opportunities, and how to develop or expand a small farm business. Students produced a completed business plan by the last class and presented their business plan to the class on the final evening. Farmers and small business people served as guest speakers, bringing valuable practical experience to the class. The ten-week class series began January 12th and ended March 15th.

The Coordinator distributed flyers to local feed stores, libraries, sent e-mails to the Small Acreage listserv, submitted press releases to local media, and posted the class on the WSU Clark County Extension Events Calendar. Paid advertisements were also placed in the Reflector and the Camas-Washougal Post Record.

**Table 26: Agricultural Entrepreneurship Course Schedule**

Date	Topic	Instructor(s) & Guest Speakers
Jan 12	Introduction - Business Planning Basics / <i>Vision, goals &amp; mission statement</i>	Instructor: <i>Eric Lambert</i> , WSU Clark County Extension
Jan 19	Product and Industry Description / <i>Research Methods</i> ; Business Structures	Instructors: <i>Marianne Bash</i> , WSU Vancouver Library and <i>Matt Bisturis</i> , Schwabe, Williamson and Wyatt
Jan 26	Market Analysis: Consumer Trends From Vine to Wine	Instructor: <i>Jan Boldt</i> , SCORE, <i>Jordan Boldt</i> , Vancouver Farmers' Market, <i>Ronnie Noize</i> , SOHO Marketing Guest Speaker: <i>Michele Bloomquist</i> , Hiesen House Vineyards
Feb 2	Marketing Options: Direct Diversifying the Family Farm	Instructor: <i>Anne Lawrence</i> , Storytree Farm Famer: <i>Bill Zimmerman</i> , BiZi Farms
Feb 9	Marketing: The 5 P's Managing & Marketing the Small Family Farm	Instructor: <i>Erin Harwood</i> , Garden Delights CSA Guest Speaker: <i>Lorrie Conway</i> , Conway Family Farms
Feb 16	Marketing: Education and Publicity Management and Operations: Greenhouses	Instructor: <i>Jacqueline Freeman</i> , Friendly Rise Farm Instructor: <i>Charles Brun</i> , WSU Clark County Extension
Feb 23	Management and Operations: Insurance and Risk Management Taxes and Payroll	Instructors: <i>John Nelson</i> , Western Center for Risk Management Education, WSU Extension and <i>Barb Funk</i> , Battle Ground Tax Services
Mar 1	Management and Operations: Regulations Insurance	Instructors: <i>Roger Beekman</i> and <i>Ken Knittle</i> , WSDA Food Safety Guest Speaker: <i>Kirby McClanahan</i> , Country Insurance
Mar 8	Financing: Record Keeping & Basic Budgets	Instructor: <i>Lorrie Conway</i> , CPA
Mar 15	Graduation Celebration Present finished business plans	Instructors: Students

While forty-three people registered, 26 participants with 19 properties (six rent) attended seven of the ten classes, meeting the graduation requirement (Table 27). Seven of the original 43 participants withdrew from the class series due to time conflicts and issues with work. The remaining ten participants were unable to attend as many sessions as they planned. Car troubles, time conflicts, work, and family matters led to their inability to attend.

**Table 27: Agricultural Entrepreneurship Attendance**

Classes Attended	# Participants	As % of Participants
10	6	16%
9	9	24%
8	7	18%
7	4	11%
6	4	11%
5	2	5%
4	2	5%
3	3	8%
2	0	0%
1	1	3%

Six (23%) graduates currently run small farm businesses on their property, including breeding livestock for sale, produce, and farm maintenance services. Fifty-eight percent of the graduates come

from south Clark County, twelve percent from north Clark County, twelve percent from central Clark County, and nineteen percent from Oregon (Table 28).

**Table 28: Geographic Distribution of Farms**

Area	City/Town	Graduates	Area
North	Amboy	0	3
	La Center	1	
	Ridgefield	2	
	Woodland	0	
	Yacolt	0	
Central	Brush Prairie	2	3
	Battle Ground	1	
South	Camas	3	15
	Vancouver	9	
	Washougal	3	
Out of State	Oregon	5	5

Participants rated the overall classes well, with just one average score below 4.0 on a scale of one to five, with five being highest (Table 29).

**Table 29: Agricultural Entrepreneurship Evaluation Summary**

	Planning Basics	Product/ Industry	Market I	Marketing II	Marketing III & Ops.	Taxes & Payroll	Risk Mgmt.	Regs	Budgeting
Use any of this info?	4.8	4.4	4.4	4.2	4.6	4.2	4.2	4.4	4.5
Learn something?	4.5	4.3	4.2	4.2	4.4	4.5	4.4	4.5	4.4
Overall session score	4.5	4.3	4.0	4.4	4.4	4.2	3.9	4.3	4.2
<b>Average</b>	<b>4.6</b>	<b>4.3</b>	<b>4.2</b>	<b>4.2</b>	<b>4.5</b>	<b>4.3</b>	<b>4.2</b>	<b>4.4</b>	<b>4.4</b>

Participant comments indicate they enjoyed the course sessions and learned valuable information for planning their business:

“[The] Thorough curriculum brought up important topics we didn't know we needed to consider.”

“For a business planning program it was great.”

“We are so appreciative of the info provided. It has been inspiring to listen to everyone's hopes & dreams and to see where we fit in the big scheme of small farming.”

“Thank you, we enjoyed the class and learned a lot.”

“Well managed, good content, integrated subject matter, good presenters. Credible!”

Throughout the course, participants were also asked to rate their knowledge on four topics (1, poor to 5, excellent) before and after each class which indicates the change in their knowledge level resulting from information provided by presenters. The number of evaluations submitted by participants dropped off after the first week and hovered around 70% for the remainder of the year. 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 creating budget charts, at least 54% of respondents indicated one or more levels of change in knowledge in all other topic areas (Table 30). Indeed, over 75% gained at least one level of knowledge on 30 of the 48 topics taught. Indeed, over 75% gained at least one level of knowledge on 30 of the 48 topics taught. All respondents gained some knowledge in five topic areas: identifying risks in

**Table 30: Agricultural Entrepreneurship Knowledge Change Evaluation Summary**

Class Session	Knowledge Area	Before and After Knowledge Change (As percent of respondents <sup>+</sup> )					
		Same	1	2	3	4	N (NR)
<b>Business Planning Basics</b>	Importance of business planning	15%	38%	35%	8%	4%	26 (1)
	Components of a business plan	8%	15%	42%	27%	8%	26 (1)
	How to develop your business' mission statement	12%	38%	23%	15%	12%	26 (1)
	Identifying & prioritizing your business goals	8%	31%	42%	12%	8%	26 (1)
<b>Product &amp; Industry Description</b>	Creating a product/service description	29%	43%	19%	5%	5%	21 (11)
	Researching the industry of your selected farm business	4%	48%	13%	30%	4%	23 (9)
	Range of business organizational structures available	22%	30%	30%	9%	9%	23 (9)
	Determining the structure appropriate for your farm business	23%	32%	27%	14%	5%	22 (10)
<b>Market Analysis</b>	Identifying consumer preferences, values and demographics	26%	37%	16%	11%	11%	19 (7)
	Evaluating your potential market	21%	42%	26%	5%	5%	19 (7)
	Identifying the value of your product/service	33%	28%	33%	0%	6%	18 (8)
	Resources for assessing your market plans	21%	26%	42%	5%	5%	19 (7)
<b>Market Options</b>	Direct marketing alternatives available	38%	14%	14%	24%	10%	21 (11)
	Advantages & disadvantages of direct marketing options	33%	14%	19%	24%	10%	21 (11)
	Intermediary (non-direct) options	30%	15%	40%	10%	5%	20 (12)
	How to add value to a farm product	29%	33%	14%	19%	5%	21 (11)
<b>The 5 P's</b>	How to effectively price your product/service	25%	30%	30%	10%	5%	20 (2)
	Determining what type of packaging works best for your product/service	26%	21%	42%	5%	5%	20 (2)
	Different methods of promoting your product/service	10%	50%	35%	0%	5%	19 (3)
	Common pricing strategy mistakes	40%	20%	35%	0%	5%	20 (2)
<b>Marketing / Publicity</b>	Marketing your farm education	25%	17%	33%	17%	8%	12 (16)
	Publicizing your farm services	31%	15%	38%	8%	8%	13 (15)
<b>Operations</b>	Choosing a greenhouse	31%	31%	15%	0%	23%	13 (15)
	Greenhouse options	46%	15%	8%	0%	31%	13 (15)
<b>Taxes &amp; Payroll</b>	Registering your business w/ appropriate agencies	17%	39%	33%	6%	6%	18 (9)
	Getting appropriate licenses for your farm business	12%	59%	18%	6%	6%	17 (10)
	Worker's compensation for farm businesses	22%	44%	22%	6%	6%	18 (9)
	Taxes farm businesses are required to pay	11%	28%	33%	17%	11%	18 (9)
<b>Risk Management</b>	Liability insurance options for farm businesses	7%	14%	29%	43%	7%	14 (13)
	Identifying risks in operating a farm business	0%	23%	23%	46%	8%	13 (14)
	Crop insurance options available	0%	33%	17%	42%	8%	12 (15)
	Tools for managing risk when running your business	0%	25%	25%	33%	17%	12 (15)
<b>Regulations</b>	Key regulations for farm businesses in Washington	0%	22%	43%	13%	22%	23 (1)
	Finding regulations that apply to your specific farm business	17%	22%	26%	13%	22%	23 (1)
	Who to contact for inspections for licensing/regulations	9%	22%	30%	17%	22%	23 (1)
	Getting your farm to meet regulations	9%	27%	14%	27%	23%	22 (2)
<b>Insurance</b>	Liability insurance options	0%	42%	26%	21%	11%	19 (5)
	Identifying risks in a farm business	5%	42%	32%	16%	5%	19 (5)
	Different risk management alternatives	5%	42%	32%	11%	11%	19 (5)
	Tools for managing your risk while running a business	24%	24%	24%	24%	6%	17 (7)
<b>Finances &amp; Record keeping</b>	How to complete a breakeven or sensitivity analysis	15%	23%	46%	8%	8%	13 (9)
	How to create a cash budget	23%	31%	31%	0%	15%	13 (9)
	Adding your cash budget to the sensitivity analysis	38%	31%	8%	15%	8%	13 (9)
	Creating a basic budget and chart of accounts	62%	15%	8%	0%	15%	13 (9)

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

farming operations, crop insurance options, managing risk, liability insurance options, and key farm business regulations. At least 20% of respondents increased their knowledge three or more levels about half of the 48 topics taught in the course.

Overall, it appears respondents started the course with some knowledge already of market analysis, market options, marketing, finances and record keeping, an product packaging, pricing, and promotion, although this still amounted to only up to about a third of respondents in these classes.

Participants were asked to fill out a survey at the final class, evaluating the entire class series (Table 31). Sixteen responded (62% of the 26 graduates), ranking the class series a 4.9 on a scale of one to five, five being highest. They also indicated the series answered most of their questions (4.8) while also providing them with information that will be useful and helpful with their farm business (4.9).

**Table 31: Overall Agricultural Entrepreneurship Evaluation Summary**

	Average
What overall score would you give this series?	4.9
Did the class series answer most of your questions?	4.8
Did you learn useful/helpful information?	4.9
How much will you use this information to help shape your agricultural business?	4.9

#### *Deliverables*

The Agricultural Entrepreneurship and Business Planning course graduated 26 people and completed this task.

#### *Issues and Recommendations*

Many participants suggested including more time in class for activity based group learning like the instructor did for a budgeting exercise. The coordinator would like to investigate the feasibility of incorporating more group activities into the weekly lessons. This exercise could be implemented by creating of a hypothetical farm and letting the students work through the respective planning components of each weeks' topic.

#### **Task 4b - Small Farm Workshop**

Farmers and other landowners find it difficult to understand water rights law in Washington. Questions frequently come up in *Living on the Land* and other program workshops about water rights and how to supplement water supply without them. To help inform farmers about water rights and a recently reinterpreted water catchment policy, the program organized a workshop on January 28 to focus on water rights law and rainwater catchment as a means to supplement water supply. The workshop was advertised via press releases to local media, flyers at all events, ads on CraigsList and CNRG, postings on Facebook and to the Small Acreage listserv (Appendix C).

The half-day workshop featured speakers from the Department of Ecology, Clark County Public Health, and Portland Purple Water. The presentations covered water rights law, grey water and in home rainwater use safety, and rainwater harvesting systems. The Coordinator also gave a 15 minute presentation on controlling runoff and reducing mud.

Thirty-four people attended the workshop at the Dollar's Corner Fire and Rescue Station. Participants rated the workshop well with an average score of 4.5 on a scale of one to five, with five being the highest (Table 32).

**Table 32: Water Rights and RWH Workshop Evaluation Summary**

Question	Ranking	N (NR) +
Do you intend to use any of this information?	4.6	25 (9)
Did you learn something new that may help your agricultural business?	4.7	27 (7)
Overall, what score would you give this workshop?	4.5	27 (7)
<b>Average</b>	<b>4.6</b>	
Participants	34	
Evaluations completed	29	
Percent completed evaluations	85%	

+N = number of responses; NR = no response

When assessing their knowledge before and after the workshop (Table 33), at least 70% of respondents indicated at least a one level increase in knowledge, while at least 44% increased two or more levels. At least 75% of respondents increased their knowledge two or more levels about two topics: grey water and in-home rainwater use safety and water rights in Washington State.

**Table 33: BMP Workshops - Change in Knowledge Levels**

Knowledge Area	Before and After Workshop Knowledge Change (As percent of respondents <sup>+</sup> )					
	Same	1	2	3	4	N (NR) *
Water Rights in Washington State	10%	14%	34%	31%	10%	29 (5)
Grey water and in-home rainwater use safety	7%	17%	38%	31%	7%	29 (5)
Managing runoff to improve your property	30%	26%	33%	11%	0%	27 (7)
Capturing and using rainwater for small acreage uses	17%	29%	33%	13%	8%	24 (10)

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

The original mushroom cultivation workshop planned with WSU Skamania County Extension was replaced with a workshop on Developing Marketing Cooperatives for Small Farms, held on July 18 at the 78<sup>th</sup> Street Heritage Farm, which drew 11 participants locally and 10 online participants (Table 34). Eric Bowman, Northwest Cooperative Development Center, presented. The workshop was also broadcast live over the internet for the first time using WSU's Adobe Connect and archived for later viewing (<http://breeze.wsu.edu/p6xjp7sznm/>).

The program publicized the event through press releases to local media, at program events, the WSU program listservs, Facebook, and with flyers at local feed stores and libraries (Appendix F).

Of the 11 participants, seven returned evaluations rating the workshop on intention to use the information, whether they learned something new, and the overall score. (Table 34) Participants gave the workshop an overall score of 4.6 (with 1 as the lowest and 5 the highest). Five or seven respondents agreed they were likely to use information presented, while six thought they would use the information in an agricultural business.

**Table 34: Marketing Cooperatives Evaluation Summary**

Question	Ranking	N (NR) +
Do you intend to use any of this information?	4.1	7 (4)
Did you learn something new that may help your agricultural business?	4.3	7 (4)
Overall, what score would you give this workshop?	4.6	7 (4)
<b>Average</b>	<b>4.3</b>	
Participants	11	
Evaluations completed	7	
Percent completed evaluations	64%	

+N = number of responses; NR = no response

When asked to assess what they learned during the workshop (Table 35), 57% of respondents indicated that their knowledge increased at least one level on all topics surveyed. All participants showed at least one level of knowledge gain about characteristics of agricultural marketing cooperatives, while 57% increased their knowledge at least two levels about when to form cooperatives.

**Table 35: Developing Marketing Cooperatives for Small Farms Participant Change in Knowledge**

Knowledge Area	Before and After Tour Knowledge Change (As percent of respondents)					N (NR)*
	0	1	2	3	4	
Characteristics of agricultural marketing coops	0%	57%	29%	0%	14%	4 (7)
How various marketing cooperative models can benefit small farms	43%	14%	29%	0%	14%	4 (7)
When to form and not to form a cooperative	29%	14%	14%	29%	14%	4 (7)
Steps that should be taken to develop a coop	29%	29%	29%	14%	0%	4 (7)

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

#### *Deliverables*

Two small farm workshops were completed in 2012.

#### *Issues and Recommendations*

The attendance at the cooperatives workshop was less than half of the number of people registered. There were approximately 10 additional participants that viewed the workshop online. The first run using the hardware and Adobe Connect program had a few technical difficulties involving the volume and the Adobe program itself. These issues have been noted and should be easily resolved next time. Overall, streaming the workshop online was a great way to increase participation and archive information, but it was difficult to get evaluations and impact data from the online participants.

## Task 5 – AmeriCorps Placement

The Small Acreage Program Coordinator and the Watershed Stewards Program Coordinator collaborated on a proposal to hire an AmeriCorps member for the 2012/2013 program year. The AmeriCorps member started service on September 4 and will continue until July 15.

The AmeriCorps member will promote and conduct outreach for the Small Acreage model property signage program to Clark County residents, help plan and organize educational workshops focused on teaching BMPs, and help create general outreach displays, resources and BMP models.

### *Deliverables:*

Collaborating with the Watershed Stewards, the Coordinator received an AmeriCorps member for the 2012/2013 year. The AmeriCorps member held one Landowner Resources informational session to promote the model property program and other Clark County resources. The informational session attracted 10 participants.

### *Issues and Recommendations:*

The AmeriCorps placement required additional administrative work and oversight. The Member is doing well so far and is enthusiastic about contributing.

## Task 6 - Impact Evaluation and Project Reporting

### Task 6a - Evaluation

**Workshop Evaluation.** The Coordinator tracks attendance for all classes, workshops, and tours. All attendees are requested to fill out evaluations (Appendix F) and spouses or partners are encouraged to fill out separate evaluations. The program utilizes evaluations to improve program events and to generate ideas for future events. In addition to rating program quality, participants rate their knowledge at the beginning and end of an event, which provides an indication if they increased their knowledge of a particular topic. This helps the program assess both the subject matter delivered as well as the style of delivery. All *Living On the Land* class sessions also included knowledge change questions for the first time this year.

**Information Requests.** The Coordinator answered 83 telephone and walk-in requests for information and assistance during the year. Requests generally involve soil testing, mud control and reduction, septic maintenance, weed control, pasture management, small farm businesses, rotational grazing, manure management, and upcoming classes. The Coordinator provides individuals relevant publications along with invitations to upcoming classes and workshops of interest.

### 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 2011 have been surveyed after they had at least one summer to

implement BMPs on their properties. The most recent group to be contacted includes graduates of the Fall 2011 class series. After initial mailings, staff followed-up with non-responders by email and/or telephone. Since 2006, only descriptive statistics have been analyzed, but a statistical analysis of all years is planned in 2013.

**Response.** As outlined in Table 36, 244 LOL participants returned the survey for an overall response rate of 78%. The class of Fall 2010 returned the least (32%) while the class of 2006 returned the most (91%). The initial descriptive analysis through 2011 analyzed the 244 responses received.

**Table 36: 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%	7%	23	7%
Spring 04	0	8	19%	3%	26	9	35	81%	14%	43	14%
Fall 04	0	4	12%	1%	25	5	30	88%	11%	34	11%
Spring 05	1	4	15%	1%	19	3	22	81%	9%	27	9%
Fall 05	1	2	7%	1%	20	4	24	89%	9%	27	9%
Fall 06	0	3	9%	1%	25	5	30	91%	10%	33	10%
Fall 07	0	5	16%	2%	21	6	27	84%	10%	32	10%
Fall 08	1	7	23%	2%	18	5	23	74%	10%	31	10%
fall 09	0	10	43%	3%	12	1	13	57%	7%	23	7%
Fall 10	0	17	68%	5%	7	1	8	32%	8%	25	8%
Fall 11	0	6	32%	2%	12	1	13	68%	6%	19	6%
<b>Total</b>	<b>3</b>	<b>70</b>		<b>20%</b>	<b>201</b>	<b>43</b>	<b>244</b>		<b>78%</b>	<b>317</b>	<b>100%</b>

**Analysis.** The Director is in the process of cleaning up the data set (corrected for data entry errors and consistency, added coding descriptors), which will be converted data into the statistics program (SPSS). Frequencies and descriptive statistics will be run, including crosstabs to determine significant relationships between variables. The Director needs about two weeks in 2013 to analyze and write up results.

*Initial summary.* There are 317 graduates (262 households) of the LOL class series from 2003 through 2011 representing 11 series. These graduates owned at least (not all indicated the acreage they might own) 3,115 acres. Sixty-eight percent of 201 household respondents own livestock; 86% of 201 household respondents have wells; 97% of household respondents have septic systems; and over 72% have a stream or ditch on or adjacent to their land.

Over 84% of all individual respondents thought the class was a good use of their Clean Water fee. Ninety-two percent of 244 respondents shared what they learned with at least 2,633 other people, mostly family and friends. Almost 85% of household respondents implemented at least one BMP, potentially positively impacting the 1,957 acres they own. Initial analysis also indicates there is a statistically significant increase in knowledge of graduates about the major topics presented: pasture, mud, manure, weed, soils, and runoff management, as well as how management practices impact water quality.



*Deliverables*

The Coordinator tracks attendance and conducts evaluations for all classes, workshops and tours. The Coordinator continues to respond to requests for information and tracks the topic of interest to the customer.

*Issues and Recommendations*

The Director has data entered through 2011, but has not yet completed the statistical analysis due to time constraints. The impact study analysis needs to be written and the results reported. Although there have been long delays in providing this product due to time constraints, the Director remains committed to finishing this write-up.

**Task 5b - Reporting**

*Deliverables*

All quarterly reports and the 2012 annual report were submitted by the Director.

*Issues and Recommendations*

In an effort to more accurately gauge the success of the program, the Coordinator will continue to stress the importance of evaluations to participants as a way that they can help improve the program and contribute to its design. The Coordinator will introduce the evaluations at the beginning of events and designate time at the end of events so that participants will be prepared and have time to complete the evaluations satisfactorily.

The impact analysis has been consistently delayed. It is difficult to set aside the time to check and correct data entry as needed, import into SPSS, perform data computations, analyze, and report the analysis. Since only the Director can do this analysis using SPSS, he will continue to try to block out the time necessary to complete the analysis.



**Table 33: Summary Table for 2011**

Program Elements			2012 Goals	Qtr 1	Qtr 2	Qtr 3	Qtr 4	YTD	% 2012 Goals
<b>Best Management Practices (Task 1)</b>	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	Flying Changes Article	1					0	0%
		Video clip, factsheet, or PowerPoint	1					0	0%
		Video clips	2				4	4	200%
<b>Public Outreach and Education (Task 2)</b>	LOL Class Series	LOL session	1			1		1	100%
		Graduation	25				28	28	112%
	Well & Septic Workshops	Well & septic workshops	3		1	1	1	3	100%
		Attendance	30		28	26	14	68	227%
	BMP Workshops	BMP Workshops	3			2	1	3	100%
		Attendance	30			40	15	55	183%
		Revise & maintain speaker's list	ongoing	1	1	1	1	4	■
	Outreach Events & Promotional Activities	Small Acreage Exposition	1		1			1	100%
		Attendance	75		106			106	141%
		Washington State Horse Expo	1	1				1	100%
		Clark Conservation District Plant Sale	1	1				1	100%
		Home and Garden Idea Fair	1		1			1	100%
		WSU Harvest Celebration	1			1		1	100%
		Open House	3		1			1	33%
		Veterinairian and Farrier Outreach	ongoing						■
		Additional Events as identified	■	1		1		2	■
	Outreach Database	Maintain and update database	ongoing	1	1	1	1	4	■
<b>Model Properties (Task 3)</b>	Property Tours	Conduct tours	4		2	1	1	4	100%
		Attendance	60		52	19	21	92	153%
	Signage Recognition	2012/2013 BMP and property calendar	1				1	1	100%
		Enroll new properties and install signs	8		1		1	2	25%
	Outreach Materials	Brochure for model property program	1	1				1	100%
<b>Small Farms (Task 4)</b>	Agricultural Entrepreneurship	10 week course	1	1.0				1	100%
		Graduation	15	26				26	173%
	Workshop	Water rights workshop	1	1				1	100%
		Attendance	30	34				34	113%
		Mushroom Cultivation Workshop	1					0	0%
		Attendance	30					0	0%
		Developing Marketing Cooperatives	1					0	0%
		Attendance	30					0	0%
<b>Impact Evaluation and Project Reporting (Task 5)</b>	Evaluation	Workshop evaluations	14	2	3	5	4	14	100%
		Requests for assistance	■	18	23	28	14	83	■
		Impact evaluation of graduates	1			1		1	100%
	Reporting	Quarterly Reports	3	1	1	1		3	100%
		Annual Report	1				1	1	100%

## Appendix A: Living on the Land Class Series

### PUBLICITY & PROMOTION

PRESS RELEASE

PAID ADS

LOL FLYER

OTHER PUBLICITY

LOL INDIVIDUAL CLASS EVALUATION SUMMARY  
FALL 2012

LOL PROGRAM EVALUATION SUMMARY  
FALL 2012

LIVING ON THE LAND SAMPLE PRESS RELEASE

**For Immediate Release**

August 7, 2012

Contact: Eric Lambert  
WSU Extension Clark County  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524

**Small Acreage Program Opens Registration for Living On the Land Class Series.**

Hazel Dell, WA – Would you like to learn how to reduce mud and weeds, improve soil quality, grow better pastures, attract wildlife, keep your animals healthy, *and* reduce chore time? Join us for the Small Acreage Program's flagship twelve week class series, *Living On the Land – Stewardship for Small Acreages*, sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program.

The series covers the gamut of small acreage living by providing an overview of important topics pertaining soil, water, plants and animals. Subjects include pasture management, controlling weeds, soil health, well & septic maintenance, and many more. Graduates of this training come away with helpful strategies for improving their property in addition to a workable plan for their property that they create themselves based on what they learned in class.



to

“This course covers the issues landowners must address when trying to manage their land. *Living On the Land* teaches small acreage landowners management practices that will improve their property,” says Doug Stienbarger, Director of WSU Clark County Extension. Eric Lambert, Program Coordinator, adds, “There are many small acreage landowners in Clark County and we provide them with simple and practical tips on how to best manage their property for themselves, their animals, and the environment.”

**“Living On the Land - Stewardship for Small Acreages”**

Tuesdays, September 4 to November 20, 2012 - 6:00 to 9:00 PM

**Registration is free but class size is limited; deadline for registration is August 31<sup>st</sup>.** Please call Eric Lambert at 360-397-6060 ext. 5729 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.

LIVING ON THE LAND PAID AD

THE REFLECTOR  
AUGUST 22, 2012

**Got Acreage?**  
.....

**Do You Want to.....**

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

If you answered YES! to any of these questions, our Living on the Land class is for you...and it's FREE!

Fall 2012 classes meet Tuesday nights  
September 4 - November 20  
6:00 - 9:00 p.m.

PRE-REGISTRATION REQUIRED  
CLASS SIZE LIMITED

Call (360) 397-6060 x5729  
to register or for more information.



Sponsored by:

- WSU Clark County Extension, Small Acreage Program
- Clark County Environmental Services, Clean Water Program

WSU Extension programs are available to all without discrimination. Report evidence of noncompliance to your local WSU Extension office.

LOL HALF PAGE FLYER



**Got Acreage?**  
.....

**Do You Want to.....**

- Reduce chore time?
- Reduce mud?
- Make your property look better?
- Improve your animals' health?
- Enhance your soils and pasture?
- Protect your drinking water and streams?
- Properly store & compost manure?
- Learn about business opportunities?

If you answered YES! to any of these questions, our **Living On the Land** class is for you...and it's **FREE!**

**Fall 2012 classes meet Tuesday nights**  
**September 4 - November 20**  
**6:00 - 9:00 p.m.**

**PRE-REGISTRATION REQUIRED**  
**CLASS SIZE LIMITED**

**Call (360) 397-6060 x5729**  
**to register or for more information.**

**Sponsored By:**  
WSU Clark County Extension, Small Acreage Program  
Clark County Environmental Services, Clean Water Program

WSU Extension programs are available to all without discrimination. Report evidence of noncompliance to your local WSU Extension office.



OTHER PUBLICITY

THE REFLECTOR  
AUGUST 15, 2012  
P. B7

## Small Acreage Program opens registration for series

Area residents who would like to learn how to reduce mud and weeds, improve soil quality, grow better pastures, attract wildlife, keep their animals healthy, and reduce chore time

### Living On the Land - Stewardship for Small Acreages Tuesdays,

Sept. 4-Nov. 20 - 6-9 p.m.

- Registration is free but class size is limited; deadline for registration is Aug. 31. Call Eric Lambert at (360) 397-6060 ext. 5729 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.

are invited to join the Small Acreage Program's flagship 12-week class series, Living On the Land – Stewardship for Small Acreages, sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program.

The series covers the gamut of small acreage living by providing an overview of important topics pertaining to soil, water, plants and animals. Subjects include pasture management, controlling weeds, soil health, well & septic maintenance, and many more. Graduates of this training come away with helpful strategies for improving their property in addition to a workable plan for their property that they create themselves based on what they learned in class.

"This course covers the issues landowners must address when trying to manage their



**LIVING ON THE LAND – Stewardship for Small Acreages will be Tuesdays, Sept. 4-Nov. 20, 6-9 p.m. Area residents who would like to learn how to reduce mud and weeds, improve soil quality, grow better pastures, attract wildlife and more are invited to join this 12-week class series.**

land. Living On the Land teaches small acreage landowners management practices that will improve their property," says Doug Stienbarger, director of WSU Clark County Extension.

Eric Lambert, program co-

ordinator, said, "There are many small acreage landowners in Clark County and we provide them with simple and practical tips on how to best manage their property for themselves, their animals, and the environment."



## Appendix B: Well & Septic Maintenance Workshops

### PUBLICITY AND PROMOTION

SAMPLE PRESS RELEASE

FLYER

OTHER PUBLICITY

SAMPLE PRESS RELEASE

**For Immediate Release**

May 22, 2012

Contact: Eric Lambert  
WSU Extension Clark County  
[Eric.lambert@clark.wa.gov](mailto:Eric.lambert@clark.wa.gov)  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524

**Wells & Septic System Inspection and Maintenance for Homeowners – FREE Workshop!**

**Keep your money from going down the drain!!**

Tuesday June 26, 2012  
6:30 to 9:00 PM  
Lewisville County Park – Caretaker's Home  
26411 NE Lewisville Hwy  
Battle Ground, WA

Vancouver, WA – Learn how to protect your water supply and property investments through simple well and septic maintenance practices. Workshop participants will have the opportunity to get certified to do their own gravity fed septic system inspections and receive hands-on training, helpful reference materials, and tips on maintenance.

Co-sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program, this workshop will give participants hands-on experience on how to inspect their own gravity fed septic systems. An expert from Clark County Public Health will certify participants to do their own home septic inspections, conduct an inspection demonstration, answer questions, and provide advice to homeowners.

Eric Lambert, Small Acreage Program Coordinator says, “This workshop will save homeowners money by certifying them to do their own septic inspections, but more importantly they’ll learn maintenance tips that will protect their local water supply.”

Free well water testing for coliform bacteria is available for participants attending the workshop. Samples must be submitted before June 22<sup>nd</sup> to receive free well water testing.

**Registration is free but class size is limited**, please visit [www.brownpapertickets.com/event/245731](http://www.brownpapertickets.com/event/245731) or call 360-397-6060 ext. 5729 to register and for more information on the well water testing.

*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 two weeks prior to the event.*

HALF PAGE FLYER

Don't lose precious dollars  
down the drain!

- ♦ Get certified to inspect your own gravity fed septic system.
- ♦ Learn to properly maintain your well and septic system.
- ♦ Prevent costly repairs & protect your drinking water.



## Well & Septic Inspection and Maintenance for Homeowners

**FREE!**

Tuesday, June 26, 2012

6:30 to 9:00 pm

Lewisville County Park - Caretaker's Home

26411 NE Lewisville Hwy

Battle Ground, WA

**FREE well water testing for bacteria  
is available to attendees**

Class Size Limited. Register at:

[www.brownpapertickets.com/event/245731](http://www.brownpapertickets.com/event/245731)

or call 397-6060, extension "0"

Jointly sponsored by: WSU Clark County Extension, the Clark County Clean  
Water Program, and Clark County Public Health.



WSU Extension programs are available to all without discrimination. Call 360-397-6060 ext. 0 for special accommodations.



OTHER PUBLICITY

THE OREGONIAN  
OCTOBER 26, 2012



LISA WESTLUND

Aaron Henderson of Clark County Public Health demonstrates in a Sept. 6 pilot hands-on septic inspection class how to fashion a septic inspection tool from PVC pipe, Velcro and epoxy.

## Clark County teaching septic stewardship

A few basic parts and know-how is all it takes to build gravity-feed system tank inspection tools

### Septic

Continued from Page E1

class will not qualify homeowners to inspect these more complex systems.

Public Health has offered classroom-only septic inspection courses, with no hands-on training, in the past.

Once certified through the new class, which will be offered at no cost thanks to increased septic operating fees and the addition of new septic systems to the county's revenue system, participants will have to have a professional septic inspection every six years instead of every three years.

According to Aaron Henderson, environmental health program manager for Clark County, the county has more than 30,000 septic systems. Professional inspection costs run \$75 to \$200, depending on the complexity, he says.

Henderson and Lambert led three pilot classes in the hands-on format earlier this year, each attended by roughly 30 people. The proposed class would not only certify homeowners for inspection but also delve into the mechanics of septic sewers.

According to Henderson, septic systems are much like an extension of the human digestion system. Specialized bacteria break down waste until it dissipates into the sur-

rounding soil.

One aspect of septic stewardship outlined in the class is how to properly guard property wells from contamination.

"A lot of folks that are on septic systems are also on wells," says Lambert. If a well does not have a wellhead casing or protective berms to stave off runoff from livestock operations within 150 feet, nitrate contamination can occur, says Lambert. High concentrations of nitrates in drinking water can lead to a potentially fatal condition for infants called blue baby syndrome, when an infant's blood is no longer able to carry enough oxygen to body cells and tissue.

Another aspect of septic maintenance that the class

stresses is the danger of improperly disposing of prescription drugs. Antibiotics flushed down the toilet can kill the bacteria in septic tanks, leading to costly-to-remove blockages that could potentially overflow onto the surface. "It's something that could cost tens of thousands of dollars to replace," says Lambert.

Homeowners who learn to maintain a septic system properly could keep it running for 30, 40 or 50 years, Lambert says.

"Before (homeowners) come to the workshop, the septic is this thing that is buried in their backyard," Lambert says. "When they take this class, they feel empowered, vested in their property."

By PETER BELAND  
SPECIAL TO THE OREGONIAN

With a bit of Velcro, epoxy, PVC pipe and know-how, residents of Clark County can do MacGyver proud solving something even the venerable action TV star and jack-of-all-trades might find difficult.

"In a matter of 10 to 15 minutes, you can make tools for less than \$15 to inspect your septic," says Eric Lambert, small acreage program coordinator for Washington State University Clark County Extension.

Staff from Clark County Public Health, in partnership with WSU Clark County Extension, plan to offer hands-on training classes on how to properly inspect home septic sewer systems. The new class format, if approved by the county health board in late November, aims to save homeowners money and get them invested in their septic systems, with the overarching hope of maintaining public and environmental health. The hands-on classes will qualify attendees to inspect gravity feed systems, which account for 80 percent of county septic systems.

Of homes built in the county in the past 10 years, 80 percent have newer, more complex systems with pumps and/or sand pits, required in areas with poor soil drainage, says Lambert. The

Please see **SEPTIC**, Page E2

The Oregonian

10/26/12

PEI, E2

### Septic class

**What:** Clark County Public Health staff will teach a Well & Septic Inspection Certification and Maintenance course for homeowners. Classroom instruction only.

**When:** 6 to 9 p.m. Nov. 13

**Where:** Luke Jensen Sports Park Community Room, 4000 N.E. 78th St. in Vancouver

**Cost:** Free

**Information:** Visit the WSU Extension Small Acreage Program on Facebook or call 360-397-6060, ext. 5729.

## Appendix C: BMP Workshops

SAMPLE PRESS RELEASE

WORKSHOP FLYER

SAMPLE PAID AD

OTHER PUBLICITY

BMP WORKSHOP PRESS RELEASE

**For Immediate Release**

August 11, 2012

Contact: Eric Lambert  
WSU Extension Clark County  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524  
E-mail: [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

**Free Workshop Offered on Organic Soil and Nutrient Management**

Vancouver, WA – Join the Small Acreage Program for a free workshop that will provide tips, suggestions, and ideas on how to manage soil and organic nutrients to improve pastures and crops. Soil expert Heather Havens from Concentrates Inc. will provide information on indentifying soil types, interpreting soil test results, building organic matter content, adding organic amendments, and creating a soil management plan. Participants are encouraged to bring their results from a recent soil test for recommendations and class activities.

The Small Acreage Program, co-sponsored by Washington State University Clark County Extension and Clark County Environmental Services Clean Water Program, will provide information, handouts, and answer landowners' questions at the workshop.

Eric Lambert, Program Coordinator says, "This workshop will be a great first step toward building and maintaining healthy soils, which can save money on amendments and improve crops and pastures."

**"Organic Soil and Nutrient Management"**

Thursday, September 20<sup>th</sup>, 2012

6:30 to 8:30 PM

78<sup>th</sup> Street Heritage Farm

1919 NE 78<sup>th</sup> Street

Vancouver, WA 98665

**Registration is free but class size is limited.** Please call 360-397-6060 ext. 5729 or email [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov) to register, 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 Clark County Extension at (360) 397-6060 ext. 0 at least two weeks prior to the event*



BMP CLASS SAMPLE FLYER

# FENCE BUILDING for Small Acreages

Good fences make good neighbors...  
and better properties!

**This hands-on workshop will cover:**

- ◇ Setting posts, assembling braces and turning corners.
- ◇ Installing, stretching and tightening high tensile wire.
- ◇ Temporary electric fence for cross fencing and pasture rotation.



**FREE!**



**Thursday, August 2, 2012**

**6:30 to 8:30 pm**

**True North Alpacas**

**38011 NE 89th Court**

**La Center, WA**

**Class size limited. For more info and to register go to:**

**[www.brownpapertickets.com/event/256780](http://www.brownpapertickets.com/event/256780)**

*Sponsored by the Small Acreage Program*

*A collaboration of WSU Clark County Extension and the Clark County Clean Water Program.*



WSU Extension programs are available to all without discrimination. Call 360-397-6060 ext. 0 for special accommodations.

OTHER PUBLICITY

THE REFLECTOR  
SEPTEMBER 19, 2012

## Free workshop offered on Organic Soil and Nutrient Management

Staff of the Small Acreage Program invites area residents to a free workshop that will provide tips, suggestions, and ideas on how to manage soil and organic nutrients to improve pastures and crops.

The workshop is scheduled for Thurs., Sept. 20, from 6:30-8:30 p.m. at the 78th Street Heritage Farm, located at 1919 NE 78th Street in Vancouver. Registration is free but class size is limited. Call (360) 397-6060,

ext. 5729 or email [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov) to register or for more information about the WSY Clark County Extension's Small Acreage Program.

Soil expert Heather Havens from Concentrates Inc. will provide information on identifying soil types, interpreting soil test results, building organic matter content, adding organic amendments, and creating a soil management plan. Participants are encouraged to bring their results from a recent soil test for recommendations and class activities.

The Small Acreage Program, co-sponsored by Washington State University Clark County Extension and Clark County Environmental Services Clean Water Program, will provide information, handouts, and answer landowners' questions at the workshop.

Eric Lambert, Program Coordinator says, "This workshop will be a great first step toward building and maintaining healthy soils, which can save money on amendments and improve crops and pastures."

WSU Extension programs and employment 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.



**Asphalt Grindings**  
Spread on your driveway.  
**16 Ton Loads  
Lasts Longer  
Low Dust  
Looks Great**  
**USA Rocks  
360-772-3272**



**NEW Fall Plantings**  
**PANSIES ~ 79¢**  
**10" FALL BASKETS ~ \$12.99**  
**Lots of COLOR to do your own FALL POTS or Get One Ready To Go!**  
**OPEN DAILY 9-6 • Gift Certificates Available**  
**14002 NE 117th Ave., Vancouver • 892-1405**  
**[www.ChapmansGreenhouseandNursery.com](http://www.ChapmansGreenhouseandNursery.com)**

## Appendix D: Outreach and Promotional Activities

### SMALL ACREAGE EXPO

PROMOTIONAL FLYER

DIRECT MAILING AND ONLINE REGISTRATION FORM

HANDOUT PROGRAM

PRESS RELEASE

PAID ADS

OTHER PUBLICITY

### HARVEST CELEBRATION

PROMOTIONAL FLYER

PRESS RELEASE

PAID ADS

HANDOUT PROGRAM

OTHER PUBLICITY



EXPO PROMOTIONAL FLYER

# Got Acreage?

Come to the 7<sup>th</sup> Annual Clark County  
Small Acreage Expo!

Registration FREE!  
Lunch available for \$10



Hands On Demos,  
Photo Contest, Door  
Prizes, Vendors,  
Much More!



## Topics Include:

- Forages and Animal Nutrition
- Hands On Cheese Making
- Weed ID & Management
  - Mushroom Cultivation
  - Pasture Management
  - Biodynamic Farming
  - Livestock IPM

Saturday April 14, 2012  
9 am to 4:00 pm  
78th Street Heritage Farm  
Vancouver, WA

PRE-REGISTRATION REQUIRED  
View full program and register at  
<http://clark.wsu.edu>  
Reserve your space by April 12!

Register online at:

[www.brownpapertickets.com/event/234719](http://www.brownpapertickets.com/event/234719)

Jointly sponsored by:



Environmental Services  
Clean Water Program

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.

EXPO DIRECT MAILING AND ONLINE REGISTRATION FORM



# 7<sup>th</sup> Annual Clark County Small Acreage Expo

Saturday April 14, 2012 78th St. Heritage Farm  
9:00 am to 4:00 pm Vancouver, WA

Please select only one class from each session

Registration FREE  
Lunch available for  
only \$10 each!!

Photo Contest,  
Door Prizes,  
Vendors, and  
Much More!

Session A	A1	Get the Lowdown on Lime	Session C	C1	Mushroom Cultivation
	A2	Creating Habitat for Pollinators		C2	Livestock IPM
	A3	Livestock Forages and Nutrition		C3	Drainage Solutions for Small Acreages
	A4	Weed ID and Management		C4	78th Street Heritage Farm Tour
Open House During Lunch!! Meet local vendors and agencies that assist rural landowners.					
Session B	B1	Cheese Making 101	Session D	D1	Sustainable Small Forest Management
	B2	Septic Inspection Certification		D2	Biodynamic Farming
	B3	Rain Water Harvesting		D3	Conquering Mount Manure
	B4	Hands On Fencing Demo		D4	Pasture Restoration and Management

For more information, contact:  
Small Acreage Program  
(360) 397-6060 x5729

For the full event program, class  
descriptions and photo contest rules  
visit <http://clark.wsu.edu>

Detach Here

Mail Registration to:  
WSU Extension Small Acreage Program  
1919 NE 78th Street  
Vancouver, WA 98665

**Make checks for lunch payable to: Clark County Treasurer**

Jointly Sponsored By:  
**WASHINGTON STATE UNIVERSITY**  
CLARK COUNTY EXTENSION



Environmental Service  
Clean Water Program

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_

**Pre-registration required.**  
**Reserve your space by**  
**April 12, 2012**

Each class has a letter and number designation. Please use these designations to indicate your choice of classes.  
Please specify if you would like lunch; **pre-payment is required to reserve your boxed lunch.**

Attendee Name(s)	Session A	Session B	Session C	Session D	Lunch? (Y/N)

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

Saturday April 14, 2012  
9:00 am to 4:00 pm


7<sup>th</sup> Annual

**Clark County  
Small Acreage Expo**


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



Jointly Sponsored By:



Environmental Services  
Clean Water Program



WASHINGTON STATE UNIVERSITY  
CLARK COUNTY EXTENSION



**Session A**  
9:00 - 10:15 am

**A1**  
**Get the Lowdown on Lime**  
*Gordon French, LJC Feeds*  
Gordon will discuss timing, rates, and application methods for lime and fertilizers for pastures in our area. Then join him for a demonstration (weather permitting) of proper lime application!

**A2**  
**Creating Habitat for Pollinators**  
*Anitra Gorham, NRCS*  
Anitra will tell us about some ways to improve habitat for our native pollinators. She will also talk about some of the programs offered by NRCS to assist landowners with conservation efforts and sustainable agricultural practices.

**A3**  
**Forages and Animal Nutrition**  
*Gary Fredricks, WSU Cowlitz County Extension*  
Learn about the nutritional requirements for your animals and which forages will provide the best match. Gary will also discuss choosing quality hay and which feed supplements will keep your animals healthy. Bring a hay sample to compare and evaluate.

**A4**  
**Weed ID and Management**  
*Ron Hendrickson, Clark County Vegetation Management*  
Learn to identify and control plants that don't belong in your pastures and may harm your animals. Ron will discuss how to win the fight against noxious, invasive, and poisonous plants. Then practice spotting weeds on a pasture walk at the Heritage Farm.

**Session B**  
10:30 - 11:45 am

**B1**  
**Cheese Making 101**  
*Lorrie Conway, Conway Family Farms*  
Lorrie will take you through the steps of making cheese in this delicious hands on demonstration. Learn tips, methods, and what you'll need to consider if starting your own small scale cheese making operation.

**B2**  
**Septic Inspection Certification**  
*Aaron Henderson, 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.

**B3**  
**Rainwater Harvesting for Small Farms**  
*Eric Lambert, WSU Clark County Extension*  
Find out some of the ways you can capture and use rainwater on your property for non potable applications. This presentation will cover the basics of collection containers, first flush devices and how to determine a suitable location for a rainwater harvesting system.

**B4**  
**Hands On Fencing Demo**  
*Liam Shaw, Gallagher Fencing*  
Get a hands on demonstration on how to set up fencing solutions on your property. High tensile, portable electric and deer proof fencing options will be covered.

**Session C**  
1:00 - 2:15 pm

**C1**  
**Mushroom Cultivation**  
*Tony Migas, Fungal Endeavours*  
Tony will provide an introduction to small scale mushroom cultivation. He'll discuss varieties suitable for cultivation, growing mediums and optimal growing conditions.

**C2**  
**Livestock IPM**  
*Holly Ferguson, WSU Prosser*  
What's bugging you? Learn how to keep your animals healthy and reduce bothersome pests with an integrated pest management strategy (IPM). Reduce chemical use and make your property a more pleasant environment for you and your animals.

**C3**  
**Drainage Solutions for Small Acreages**  
*Seth Kenworthy, Drainage Masters*  
Got mud? Seth will provide you with directions on how to use, install, and locate a french drain to manage runoff and reduce mud on your property. He will also highlight other tips and techniques to reduce mud around your home and outbuildings.

**C4**  
**78th Street Heritage Farm Tour**  
*Blair Wolfley, Clark County*  
Tour the historic grounds of the 78th Street Heritage Farm. Learn about what's been going on here from poor farm to present and hear about some of the future visions for this iconic Clark County landmark.



**Session D**  
2:30 - 3:45 pm

**D1 Sustainable Small Forest Management**  
*TBD, DNR Small Forest Landowners*  
Interested in putting your forested land to use? Learn about sustainable small forest practices and some of the programs available through DNR to help.

**D2 Biodynamic Farming**  
*Jacqueline Freeman, Friendly Haven Rise Farm*  
Come and learn about one of the most sustainable approaches to farming and some of the practices it entails. Jacqueline will talk about how biodynamic farming creates a closed loop system that encourages symbiotic relationships and fosters a holistic method of farm management.

**D3 Conquering Mount Manure**  
*Denise Smee, Clark Conservation District*  
Join Denise to learn how you can manage your mountain of manure. Learn some economical ways to compost and use the manure you have as well as ways to get rid of it. Find out how to rent the Conservation District's manure spreader for FREE!

**D4 Pasture Renovation and Management**  
*Gene Pirelli, OSU Extension*  
Want greener pastures? Gene Pirelli will talk about strategies to keep your pastures looking like you want them to. He'll cover grass types and seasonal maintenance tips on a pasture walkabout at the Heritage Farm.

Workshop Schedule	
Registration & Check-in	8:30 – 8:55 AM
Session A	9:00 – 10:15 AM
Session B	10:30 – 11:45 AM
Lunch	11:45 – 1:00 PM
Session C	1:00 – 2:15 PM
Session D	2:30 – 3:45 PM
Evaluations & Drawings	3:45 – 4:00 PM

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

Download the registration form at: <http://clark.wsu.edu>

Our Thanks to:

All of our speakers, vendors, and volunteers.



**Directions to the 78th Street Heritage Farm**

From I-5 North or South:

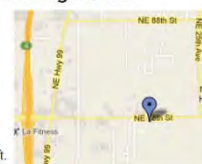
Exit #4 - 78th Street

Go East for ~1/2 mile, through 3 traffic lights and the farm will be on your right.

From I-205 North or South:

Exit #32 - Padden Parkway

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



**Look for signs!!**

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.

SAMPLE EXPO PRESS RELEASE

**For Immediate Release**

March 16, 2012

Contact: Eric Lambert  
WSU Extension Clark County  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524  
E-mail: [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

**WSU Extension Offers New Classes and Venue for 2012 Small Acreage Expo!**



Vancouver, WA – Co-sponsors WSU Clark County Extension and the Clark County Clean Water Program invite landowners to the seventh annual Small Acreage Expo at a new location, the 78<sup>th</sup> Street Heritage Farm.

In addition to the new venue, this year's Small Acreage Expo also offers some exciting new topics including biodynamic farming, cheese making, mushroom cultivation, sustainable small forest management, rainwater harvesting and the opportunity to get certified by Clark County Public Health to inspect your septic system. Participants can

still choose from many of the popular topics offered in previous years such as installing a french drain, livestock foraging, composting manure, fencing, weed management, lime application, and pasture management. An open house during the lunch break will allow participants to meet and learn more about agencies that serve the public as well as ask questions to local vendors participating in the event. This year's Expo will also include a photo competition with the theme "small acreage living" and door prizes will be given away at the end of the day. A program providing full descriptions of all classes, the photo contest rules as well as a registration form and online registration is available on the WSU Extension Clark County website at <http://clark.wsu.edu>.



Eric Lambert, Small Acreage Program Coordinator, says "We have some terrific new topics for this year's event that will make for a fun day of education and community building." Doug Stienbarger, County Extension Director notes, "It's great to see folks come to the Expo and learn new ideas and practices that they can apply at home to improve their property."

**"Small Acreage Expo"**

Saturday, April 14, 2012

9:00 AM to 4:00 PM

78<sup>th</sup> Street Heritage Farm

Vancouver, WA

**Registration is free and closes April 12<sup>th</sup>, 2012; lunch is available for only \$10.** 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  
March 21, 2012

The Camas/Washougal Post-Record  
March 20, 2012

*Clark County 7th Annual*  
**Small Acreage Expo**  
Saturday April 14, 2012 ~ 9 am - 4:00 pm  
Vancouver, WA

**Registration FREE!!**  
Lunch available for only \$10  
Pre-registration required  
Reserve your space by April 12!  
[brownpapertickets.com/event/234719](http://brownpapertickets.com/event/234719)

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

**See full event program and registration  
details at <http://clark.wsu.edu>**  
**Please select only one class from each session**

**Session A**

- A1 Get the Lowdown on Lime
- A2 Creating Habitat for Pollinators
- A3 Forages and Animal Nutrition
- A4 Weed ID and Management

**Session B**

- B1 Cheese Making 101
- B2 Septic Inspection Certification
- B3 Rain Water Harvesting for Small Farms
- B4 Hands On Fencing Demo

**Session C**

- C1 Mushroom Cultivation
- C2 Livestock IPM
- C3 Drainage Solutions for Small Acreages
- C4 78th Street Heritage Farm Tour

**Session D**

- D1 Sustainable Small Forest Management
- D2 Biodynamic Farming
- D3 Conquering Mount Manure
- D4 Pasture Restoration and Management

**Open House Lunch! Meet local vendors and agencies that serve Clark County**

Jointly Sponsored By:  
Washington State University  
Clark County Extension  
&  
Clark County Environmental  
Services  
Clean Water Program

*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.*



## OTHER PUBLICITY

The Reflector  
April 4, 2012



THE SEVENTH ANNUAL Small Acreage Expo will be held Sat., April 14 at the 78th Street Heritage Farm in Vancouver.

### **WSU Extension offers new classes and venue for 2012 Small Acreage Expo**

**Event to be held Sat., April 14 in Vancouver**

Co-sponsors WSU Clark County Extension and the Clark County Clean Water Program invite landowners to the seventh annual Small Acreage Expo at a new location, the 78th Street Heritage Farm in Vancouver.

This year's event will be held Sat., April 14 from 9 a.m.-4 p.m.

In addition to the new venue, this year's Small Acreage Expo also offers some new topics including biodynamic farming, cheese making, mushroom cultivation, sustainable small forest management, rainwater harvesting and the opportunity to get certified by Clark County Public Health to inspect your septic system.

Participants can still choose from many of the popular topics offered in previous years such as installing a french drain, livestock foraging, composting manure, fencing, weed management, lime application, and pasture management.

An open house during the

lunch break will allow participants to meet and learn more about agencies that serve the public as well as ask questions to local vendors participating in the event.

This year's Expo will also include a photo competition with the theme "small acreage living" and door prizes will be given away at the end of the day. A program providing full descriptions of all classes, the photo contest rules as well as a registration form and online registration is available on the WSU Extension Clark County website at <http://clark.wsu.edu>.

Eric Lambert, Small Acreage Program coordinator, said "We

have some terrific new topics for this year's event that will make for a fun day of education and community building."

Doug Stienbarger, County Extension director added, "It's great to see folks come to the Expo and learn new ideas and practices that they can apply at home to improve their property."

Registration is free and closes April 12. Lunch is available at the event for \$10.

Call (360) 397-6060 ext. 0 to get directions, or for more information about the WSU Extension Clark County's Small Acreage Program.

The Oregonian  
March 18, 2012

**WSU EXTENSION**

**Small Acreage Expo  
set for next month**

Co-sponsors WSU Clark County Extension and the Clark County Clean Water Program invite landowners to the seventh annual Small Acreage Expo at a new location, the 78th Street Heritage Farm in Vancouver. It will be from 9 a.m. to 4 p.m. Saturday, April 14.

In addition to the new venue, this year's Small Acreage Expo also offers some exciting new topics including biodynamic farming, cheese making, mushroom cultivation, sustainable small forest management, rainwater harvesting and the opportunity to get certified by Clark County Public Health to inspect your septic system.

Participants can still choose from many of the popular topics offered in previous years such as installing a french drain, livestock foraging, composting manure, fencing, weed management, lime application, and pasture management. An open house during the lunch break will allow participants to meet and learn more about agencies that serve the public as well as ask questions to local vendors participating in the event.

This year's Expo will also include a photo competition with the theme "small acreage living" and door prizes will be given away at the end of the day.

We have some terrific new topics for this year's event that will make for a fun day of education and community building. It's great to see folks come to the Expo and learn new ideas and practices that they can apply at home to improve their property.

Registration is free and closes Thursday, April 12; lunch is available for only \$10. A program providing full descriptions of all classes, the photo contest rules as well as a registration form and online registration is available on the WSU Extension Clark County website at [clark.wsu.edu](http://clark.wsu.edu). Or call 360-397-6060, ext. 0, to get a program and registration form mailed to you.

Persons requiring special accommodations should call us at least two weeks prior to the event.

— Eric Lambert,  
Small Acreage Program Coordinator,  
WSU Clark County Extension

The Camas Washougal Post Record



April 3, 2012

# CONNECTED with the LAND

Local small acreage farm owners believe 'small is very beautiful'

By DANIELLE FROST  
Post-Record Staff

*"We do not farm for the money...it is the appeal of the lifestyle, an appreciation of the moments of calm while embracing those that are hectic and above all, it is a love of the land and animals."*

This is one of the "farm philosophies" of Lorrie and Shaun Conway, owners of Conway Family Farm.

The two bought five acres of bare land in rural Camas 22 years ago and decided to try their hands at agriculture.

"We built everything: the house, barn, fences, etc., so the process toward a functional farm was slow," Lorrie said.

In 1994, the couple added their first sheep and goats.

"The farm has just continued to evolve and grow since then," Lorrie said.

After a new state law was passed which allowed small farm operations to hand-cap bottles of milk, the two applied for a license to become a dairy goat farm and were one of the first small farms approved in 2005.

By 2009, cheese processing had also been added to the operation.

"We continue to evaluate and

change our operation to make it more profitable and functional," Lorrie said.

Before their small acreage farm began, only Lorrie had any prior experience with the lifestyle.

"I was raised on a beef cattle ranch and had goats and sheep, and a variety of other things, as 4-H projects," she said. "But Shaun is a true convert to the lifestyle and a wonderful model for anyone wanting to make a change. He was raised as a typical suburban kid with no exposure to agriculture or farming at all, and he has transformed into an amazing farmer."

In addition to a working farm, the couple also has an on-site store, where they sell a large variety of wool yarn in several colors, woolen sofa throw blankets, cheese, lamb and goat meat, Grade A Raw goat milk (sold only on a pre-order basis for current customers), honey, lavender soaps, lotions, sprays, jams, farming books, fresh produce, eggs and berries.

"We try to offer only items that we produce on our farm, so it certainly isn't Fred Meyer, but it has a nice little variety of things," Lorrie said.

She added that the benefits of a small acreage farm include having the opportunity to do all of the



Lorrie and Shaun Conway operate a small acreage dairy goat farm. The couple continually looks at their farming operation to see what can be improved. In 2009, they added cheese processing in addition to goat milk.

work and not hire out for services, producing and selling only items that meet certain standards and being forced to evaluate every new enterprise thoroughly.

"We have limited production capabilities with everything that we do, so that limitation forces us to

See Connected, page C3

Continued from page C1

be very diligent in our enterprise evaluation process," Lorrie said. "We also feel that those limited production capabilities force us to try to produce exquisite products that people find value in and are willing to pay a higher price for."

On Saturday, April 14, she will speak at the seventh-annual Small Acreage Expo. The event is co-sponsored by Washington State University Clark County Extension and the

ter Program.

"We believe strongly in extension outreach efforts to aspiring and current farmers," Lorrie said. "That being said, we try to offer whatever support we can when asked to participate in efforts such as this. I have been a speaker in the past, so this is not my first experience with it."

This year's expo will include new topics such as "biodynamic" farming, mushroom cultivation, sustainable small forest management, rainwater

portunity to get certified by Clark County Public Health to inspect a farm's septic system.

"We have some terrific new topics for this year's event that will make for a fun day of education and community building," said Eric Lambert, small acreage program coordinator. "It's great to see folks come to the expo and learn new ideas and practices that they can apply at home to improve their property."

For more information about the farm, visit [www.conwayfamilyfarm.com](http://www.conwayfamilyfarm.com)



Harvest Celebration Flyer

# 14<sup>th</sup> HARVEST CELEBRATION DAY



14<sup>th</sup> Annual Tour  
Clark County Farms  
Saturday, September 15<sup>th</sup>  
10 am to 3 pm

For complete farm guide, maps and  
schedule visit: [www.clark.wsu.edu](http://www.clark.wsu.edu)

WASHINGTON STATE UNIVERSITY  
 CLARK COUNTY EXTENSION

Press Release

**For Immediate Release**

September 6, 2012

Contact: Eric Lambert  
WSU Clark County Extension  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524  
E-mail: [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

**Celebrate the Bounty of Clark County Farms at the 14<sup>th</sup> Annual Harvest Celebration!**

**Saturday, September 15, 2012**

10:00 AM to 3:00 PM

Hazel Dell South, WA – WSU Clark County Extension invites the public to the 14<sup>th</sup> annual Harvest Celebration Day. Tour as many as thirteen local farms throughout Clark County showcasing the bounty and variety of agriculture in Clark County at this family friendly event. Meet some of your local farmers; purchase fresh produce, cut flowers, and farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour vineyards, fruit orchards, vegetable fields and flower gardens.

Farm descriptions with maps and an events schedule are available online at <http://clark.wsu.edu> or from the Extension office in Vancouver located at 1919 NE 78<sup>th</sup> Street. Participating farms will be open to visitors from 10 am to 3 pm.

Doug Stienbarger, WSU Clark County Extension Director says, “This celebration offers Clark County residents a great opportunity to meet local farmers in their backyard and connect with local sources for farm products, while also showing their support for local agriculture.”

*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 to the event.*



## Handout Program

# 14<sup>th</sup> HARVEST CELEBRATION DAY

## FREE!

14<sup>th</sup> Annual Tour  
Clark County Farms  
Saturday, September 15<sup>th</sup>  
10 am to 3 pm

WASHINGTON STATE UNIVERSITY  
CLARK COUNTY EXTENSION

### Farm Guide Inside

- Back
- Why Buy Local
- Finding Farm Products

**7. Joe's Place Farms - 701 NE 112th Ave, Vancouver** [www.joesplacefarms.com](http://www.joesplacefarms.com) On 90 acres within the city limits of Vancouver, Joe's Place grows all the major berry crops, over 20 varieties of apples, peaches, plums, pears and cherries, and most of the major vegetable crops, including squash, pumpkins, gourds, Indian corn and more. Self-guided tours provide visitors a chance to stroll through apple orchards, check out the cold storage facilities and peruse antique vehicles, rare cars and tractors. Kids will love the u-pick, Pork Maze, and delicious treats at the farm stand. Joe's commercial kitchen produces fudge, baked goods, jams & jellies, applesauce, and frozen & dried fruit & berries. The store restaurant features authentic French crepes, Joe's Special, and Italian Frittata. **Directions:** From I-5 take exit 28B, Mid Plain Blvd and head east. Go north on Cedar Dr and continue onto NE 112th. The farm will be on the right after about 0.25 miles.

**8. Heisen House Vineyards - 28005 NE 172nd Ave, Battle Ground** [www.heisenhousevineyards.com](http://www.heisenhousevineyards.com) Heisen House Vineyards, a small scale, family run boutique winery, opens for wine tasting every Sat. and Sun. noon-5 year round, as well Friday evenings from 6-9 with live music and food during the summer from Memorial Day - Labor Day. 100+ acre property, a registered State and National Historic Site. Once part of a much larger pioneer homestead, includes a 1898 Victorian farmhouse (not open to the public, but viewable from the exterior), a hand hewn 1860s era barn, a former 1950s era milk parlor turned winery, chicken coop, and more. Please also join us at Crush Festival on Sat. Oct. 6th from noon-6 where we will be making wine and explaining the process. Guided tours of the vineyard and winery at 11am & 2pm. **Directions:** From I-5 take exit 11, go 7 miles east on NE 219th St, at the end of town turn left onto Grace Ave. Go 4.5 miles, keeping right at the fork to stay on Grace Rd and curving as the road becomes NE 279th St. Turn left onto NE 172nd Ave and turn into the first drive on the right.

**9. Yacolt Mountain Farm and Nursery - 20217 NE Yacolt Mountain Rd, Yacolt** [www.yacoltmountainfarmandnursery.com](http://www.yacoltmountainfarmandnursery.com) Caroline and Dan Swanson started this small-scale, 20 acre, diversified horse powered farm in 2011. The farm produces organic vegetables on four cultivated acres with two greenhouses, plus newly planted fruit trees and berry bushes and about 100 layer chickens, lambs, goats, turkeys, dogs and cats. Organic, sustainable practices are a priority so instead of a tractor, you see gentle draft horses work the land. Tours are at 11am & 2pm; see and interact with some of the animals; see draft horses harnessed and working the land from 12-2pm. Veggies and eggs will be available for sale during the Harvest Celebration. Farm products are sold at the Battle Ground and Camas Farmer's markets and a CSA program. **Directions:** From I-5 take route 502, towards Battleground, left onto 505(north), past Lewisville park, left right at Cabot Rd (follow to end/stop sign), take right onto Kelley Rd, then take left onto Yacolt MTN Rd, then right into the driveway with farm sign.

**10. Rusty Grape Vineyard - 16712 NE 219th Street, Battle Ground** [www.rustygrape.com](http://www.rustygrape.com) Located in the scenic hills just east of Battle Ground, visit the winery tasting room to sip some of the delicious wines made on site. Gifts and crafts available for purchase. Bring a picnic lunch and enjoy the view from their lovely patio. Guided vineyard tour begins at 2:00 p.m., see the vines and learn how the family cares for the grapes. Seating and restrooms available. **Directions:** From I-5, take the Battle Ground/SR 502 exit and head east past Battle Ground. Turn left at NE 167th Avenue, the vineyard will be on the NE corner of the intersection.

**11. Conway Family Farm - 32116 NE Dial Road, Camas** [www.conwayfamilyfarm.com](http://www.conwayfamilyfarm.com) This diverse sustainable farm features a Grade A Goat Dairy and farmstead goat cheese production. Additional offerings include eggs, wool, USDA lamb and goat meat production, a commercial blueberry field, and a small cut flower garden. The ever-changing methods, facilities, and processes make this farm a 'must visit'. Cheese making will be in process at 11:00 a.m. Guided farm tour starts at 1:00 p.m. - learn how to make your small acreage property work for you. Visit the farm store for farm-raised food and other farm products. Picnic tables available. GAP (Good Agricultural Practices) do not allow non-farm animals at this farm to ensure consumer food safety rules, so please leave your pets at home and wear clean (non-farm) shoes. **Directions:** From I-205, take the SR 500 exit and go towards Orchards, continue to follow SR 500 to the east and becomes NE Fourth Plain and after 6 miles becomes NE 58th Street. Turn east onto NE 53rd Street and follow it for 1 mile to NE Dial Road, turning southeast and following the road to the east to the farm.

**12. Livingston Mountain Alpaca - 29714 NE 60th St, Camas** 360-833-1330 This small farm raises alpacas and easy sheep. Visitors can wander the grounds of this picturesque farm in the hills above Camas. See sustainable farm practices, such as rain barrels and manure composting. Learn how to make rain barrels at 11:00 a.m. Learn how to build a worm bin to compost kitchen scraps at 10:00 a.m. & 12:00 p.m. Tour the farm's greenhouses and hear growing tips and techniques at 1:00 p.m. **Directions:** From I-205, take the SR 500 exit and go towards Orchards, continue to follow SR 500 to the east and becomes NE Fourth Plain and after 6 miles becomes NE 58th Street. Turn east onto NE 53rd Street and drive 3 miles. Turn north onto NE Livingston Rd, then east onto NE 60th St. The farm is on the north side of the road, at the top of the driveway.

**13. Lind's Dahlias - 1525 SE Washougal River Road, Washougal** 360-835-7895 Visit this quaint farm on the picturesque Washougal River, and bring a picnic for lunch. Take a self-guided walking tour through two dahlia gardens and view the river. Visit our chickens or select some fresh cut or cut flowers. Fresh eggs and produce available. Order dahlia tubers and garden starts for next spring. Bottled water and cookies will be available for visitors. **Directions:** From I-205, take SR 14 east towards Washougal for 10 miles. Turn left onto 15th Street, which becomes 17th Street, then becomes Washougal River Road after crossing over the Washougal River. Follow Washougal River Road for about 2 miles, ending at the farm.

### Showcasing the Bounty of Clark County Farms

This sign indicates farms implementing practices to protect water quality as part of a program sponsored by the Clark County Clean Water Program in partnership with WSU Clark County Extension.

**1. Compass Rose Alpaca Farm - 32820 NW Pekin Ferry Rd, Ridgefield** 360-887-8327 On a self-guided tour, meet the lovely alpacas, and discover products made from their soft fiber, such as yarn, fleece, socks, and garments. Celebrity therapy llama, Repo, greets visitors. Spinners will discuss husbandry and other related topics. Join the farm owners at 1:30 a.m. for "Mother Nature's Favorite Farm Animal", a talk about the environmentally friendly alpaca. Restrooms and picnic tables available. **Directions:** From I-5, take NW La Center Street exit, head west onto NW 319th Street. Turn right onto NW 41st Ave, then left onto NW 24th Street which turns into NW Pekin Ferry Road. Turn west into the driveway and follow it to the house & barn.

**2. Northwest Organic Farms - 17713 NW 61st Ave, Ridgefield** [www.northwestorganicfarms.com](http://www.northwestorganicfarms.com) At this organic vegetable farm, greet and feed friendly chickens. Taste more than 15 varieties of garlic and heirloom tomatoes at the annual garlic and tomato festival during the tour. Listen to bluegrass music and visit food vendors throughout the day for fresh fruit, veggies, gifts, and crafts. Participate in the hands-on demonstrations of garlic braiding by using our kit to make your own braid. Relay for Life will be serving Garlic Ice Cream, and NW Culinary Institute will be holding a cook-off contest with samples. Guided farm tours take place throughout the day, and Farmer Greg will lead hands-on demonstrations on properly planting garlic at 1:00 p.m. and 3:00 p.m. Restrooms and picnic seating available. **Directions:** From I-5, take the 179th Street/Fairgrounds exit and head west on NE 179th Street just past the Clark County Fairgrounds. Turn south onto NW 61st Ave. The farm will be on the east side of the road.

**3. Inspiration Plantation - 24311 NW 24th Ave, Ridgefield** [www.inspirationplantation.com](http://www.inspirationplantation.com) This diversified family farm specializes in pasture raised chicken, eggs, turkey, duck, pork and both grass-fed lamb & beef using rotational grazing and humane animal husbandry. We follow organic practices and all our animals enjoy fresh air, water, lush green salad (pasture) and are hormone and antibiotic free. Join Matt & Jen for a walking tour around Inspiration Plantation to see, hear and learn all about the past, present and future of this farm. We've got cows, pigs, lambs, goats, chickens, ducks, livestock guardian dogs (Great Pyrenees, Anatolian, Maremma) and a couple of huge gardens stocking an awesome seasonal farm store! Tours start promptly at 10:00am & 2:00pm and each tour lasts for about an hour. Lastly, while we love all animals, we ask that you please leave yours at home - Thanks! **Directions:** From I-5, take exit 11 for NE 219th St and head east. Turn north on NE 10th Ave. Continue north about 1 mile, then turn west on NE 219th St. Follow this road for almost 2 miles and turn north on NW 24th Ave. The farm will be on your right.

**4. Storytree Farm - 6227 NE 124th St, Vancouver** [www.storytreefarm.com](http://www.storytreefarm.com) Hear the story of the unique benefits and challenges of intensive, small-scale farming. Farming in the Pleasant Highlands neighborhood of Vancouver on less than 4 acres, the Lavence family grows an large assortment of greens, vegetables, herbs, and cut flowers for their CSA's 20 week season. Persistent attention to the natural production of top quality produce has earned Storytree Farm an excellent reputation and a devoted following. Storytree Farm's diverse gardens and visit the joyful hens and goats. Bring a blanket and picnic on the lawn. Herbalist and Master Pickler Summer Michaelson will host free workshops on fermenting, pickling, and noshing from herbal tea and wild edibles during the tour. Watch the demonstration about keeping bees to encourage pollination and produce honey for your own family. Check schedule for workshop times and details. **Directions:** From I-205, take exit 32 to Padden Parkway West (back over I-205). Turn north at Anderson (becomes NE 72nd Ave). Continue north about 1.5 miles, then turn west on NE 223rd St. Follow the road as it curves around & becomes NE 124th Street, the farm is on the left.

**5. Bi-Zi Farms - 9504 NE 119th St, Vancouver** [www.bizifarms.com](http://www.bizifarms.com) Bring your lunch and enjoy picnic tables, animals, a wonderful farm stand featuring fresh veggies, fruit and flowers. Tasty jams, jellies, and pies are also on hand at the farm store. Pet the friendly donkey and goats, check out the chickens, and visit with the farm owners. The fields will be open for guided tours via hay rides, available every hour beginning at 10 a.m. Restrooms available. **Directions:** From I-205, take SR 500 exit and go towards Orchards. Continue north on SR 503 (NE 117th Ave) and turn west onto NE 119th Street. The farm will be on the north side of the road.

**6. Kunze Farms - 6109 NE 53rd St, Vancouver** 360-693-3238 This longtime farm features peaches, pears, apples, Italian plums, concord grapes, hazelnuts, walnuts, fresh flowers and many vegetables in season. Visit the farm store which offers a variety of foods to sample and purchase, or go for u-pick. Self-guided and guided tours of the farm are available. Visitors are welcome to roam the farm and orchards. Restrooms and picnic areas available. **Directions:** From Hwy 500, take NE Anderson Rd north to NE 58th St. and turn west. Turn south at NE 56th Ave, and then east onto NE 53rd St. Go six blocks.

Harvest Celebration Quick Guide - Please see farm descriptions for complete list of activities and offerings.						
	10:00	11:00	12:00	1:00	2:00	3:00
1. Compass Rose Alpaca		Alpaca talk (11:30)				
2. NW Organic Farms				Garlic Planting		Garlic Planting
3. Inspiration Plantation	Guided Farm Tour				Guided Farm Tour	
4. Storytree Farm	Herbalism & Pickling Demo (10:30-11:30)	Wild Plant Teas	Five Minute Herbal Consultations	Fermentation & Pickling Demo (1:30-2:30)	Nature's Nourishment is Everywhere	
5. Bi-Zi Farms	Guided tour each hour, on the hour.					
6. Kunze Farms	Self-guided Farm Tour all day.					
7. Joe's Place Farms	Self-guided Farm Tours all day.					
8. Heisen House Vineyards		Guided Tour			Guided Tour	
9. Yacolt Mt. Farm		Guided Farm Tour	Draft Horse Demo		Guided Farm Tour	
10. Rusty Grape Vineyard					Guided Tour	
11. Conway Family Farm		Cheese Making Demo			Guided Farm Tour	
12. Livingston Mt. Alpaca	Worm bins and Building a Rain Barrel			Worm bins and Vermicompost Demo	Greenhouse Tour	
13. Lind's Dahlias	Self-guided Farm Tours all day.					

### Make the Farm Connection! Invest in Your Community - Buy Local

Doug Stienberger, Director, Washington State University Clark County Extension  
Clark County farms face an uncertain future - a future that depends on community support. Global competition, high production costs, land prices, cheap food policies, and a fast growing population unfamiliar with farming pose daily challenges for local farmers. Today, our food often comes to us after being shipped hundreds or thousands of miles from where it was produced. Many consumers do not give much thought to the farmer who grows and raises this food. Less than two percent of Americans work on a farm. Much different than the 30% who did so in 1900.

The face of farming in Clark County looks much different today than it did even 20 years ago when local farming included large dairies, expansive berry fields, prune production, diverse livestock operations, among others. Today, many of the dairies are gone, farming acreage has shrunk, and most farms do not produce large amounts of commodities for processing or wholesaling.

#### Farming Adapts in Clark County

Our local farmers adapt to changing conditions in order to become sustainable into the future. To remain economically viable, farmers diversify what they grow or raise, they sell more than just the raw fruit or vegetable (for example, tomatoes become salsa), and they sell their products directly to the community members. In order to remain environmentally sustainable, they steward their land, after all, their livelihood depends on good stewardship. In order to foster sustainable communities, they connect with community members, not only providing access to local and fresh products, but also connecting as neighbors.

Buying Clark County farm products supports both farms and our community. Spending some of your food dollar on locally produced farm products keeps money in our local economy and also provides the farmer a living. Local farming keeps us more secure from interruptions in the global food system. We receive many indirect benefits from local farms: farmland makes better habitat for wildlife than a parking lot; farmland slows down rain runoff and recharges groundwater better than developed land; farmland provides aesthetics; and farms keep us connected with our agricultural heritage. So, come out on Saturday, September 15<sup>th</sup> and visit some of your farming neighbors and shape what our community looks like in the future.

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

### Why Buy Local?

**Economic Diversity & Economic Development.** Local farms provide jobs and keep your food dollars in the local economy.

**Food Security.** Production of, and access to, fresh, safe, food.

**Preservation of Landscapes.** Farms provides green space, productive landscapes, groundwater recharge, flood control, & wildlife habitat.

**Tourism.** Local farms attract visitors.

**Reduced Transportation & Energy Costs.** Food traveling hundreds of miles to market can impact the environment and the economy.

### FIND LOCAL FARMS

[HTTP://FARMFINDER.WSU.EDU/](http://FARMFINDER.WSU.EDU/)

Find farms in Washington and Oregon.



Other Publicity

The Reflector  
September 5, 2011

Page B6 - The Reflector - September 5, 2012

# Outdoor Living & Garden Guide

## Public invited to celebrate the bounty of Clark County farms

WSU Clark County Extension invites the public to the 14th annual Harvest Celebration Day on Sept. 15 where they can tour as many as 13 local farms throughout Clark County showcasing the bounty and variety of agriculture in Clark County at this family-friendly event.

The public can meet some local farmers; purchase fresh

produce, cut flowers, and farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour vineyards, fruit orchards, vegetable fields and flower gardens. Farm descriptions with maps and an events schedule are available online at <http://clark.wsu.edu> or from the Extension office in Vancouver located at 1919 NE 78th Street.

Participating farms will be open to visitors from 10 a.m.-3 p.m.

Doug Stienberger, WSU Clark County Extension Director says, "This celebration offers Clark County residents a great opportunity to meet local farmers in their backyard and connect with local sources for farm products, while also showing their support for local agriculture."

Here's a look at the participating farms:

- **Compass Rose Alpaca Farm** - 32820 NW Pekin Ferry Rd., Ridgefield (360) 887-8327. On a self-guided tour, meet the alpacas, and discover products made from their soft fiber, such as yarn, fleece, socks, and garments. Celebrity therapy llamas, Rojo, greets visitors. Spinners will discuss husbandry and other related topics. Join the farm owners at 11:30 a.m. for "Mother Nature's Favorite Farm Animal," a talk about the environmentally-friendly alpaca. Restrooms and



WSU CLARK COUNTY EXTENSION invites the public to the 14th annual Harvest Celebration Day on Sat., Sept. 15 when they can tour as many as 13 local farms throughout Clark County showcasing the bounty and variety of agri-



THE ANNUAL HARVEST CELEBRATION allows the public to meet some local farmers; purchase fresh produce, cut flowers, and farm products; see alpacas, draft horses,

## Appendix E: Model and Merit Properties

SAMPLE TOUR FLYER

SAMPLE PRESS RELEASE

PAID ADS

OTHER TOUR PUBLICITY

SAMPLE HALF PAGE TOUR FLYER

# Small Acreage Tour

**Free!**

Gain valuable ideas for your property  
& take home great reference  
materials when you tour this dairy  
goat and produce family farm.

## Conway Family Farms

Camas, WA

Saturday  
September 22, 2012  
10 am to 12 pm

Come see:

- ~ Manure composting
- ~ Rotational grazing
- ~ Guttering and drainage
- ~ Pasture Management including irrigation



**PRE-REGISTRATION REQUIRED**

[www.brownpapertickets.com/event/269937](http://www.brownpapertickets.com/event/269937)  
or call (360) 397-6060 ext. 0

Jointly sponsored by:

WSU Clark County Extension Small Acreage Program  
Clark County Environmental Services Clean Water Program

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



SAMPLE PRESS RELEASE

**For Immediate Release**

September 11, 2012

Contact: Eric Lambert  
WSU Extension Clark County  
Tel: 360-397-6060 ext. 5705  
E-mail: Eric.lambert@clark.wa.gov

**Got mud, weeds, and manure? Need solutions?  
Join us for a free property tour to get ideas!**

Camas, WA – Tour a local small acreage farm in Camas that is sustainably raising goats, sheep, and chickens. The landowners manage this successful dairy goat operation while reducing mud and managing manure to reduce negative impacts to soil and water quality. Participants will have the opportunity to see rotational grazing, discuss different fencing types, learn about irrigating small pastures, manure composting and management, drainage, and roof runoff.

The Small Acreage Program, co-sponsored by Washington State University Clark County Extension and Clark County Environmental Services Clean Water Program, will lead the tour with the landowners. The tour begins at 10 am and runs until 12 pm and participants meet at the property in Camas.

Eric Lambert, Small Acreage Program Coordinator, says “This is a terrific farm, where the landowners have worked hard to improve their property for their animals, their family, and the environment. It should be a great educational event for everyone and you don’t need to own animals to attend.” Farm tours are guided educational events open to everyone and anyone!

**Conway Family Farms Tour**  
Saturday, September 22, 2012 – 10 AM to 12 PM  
Camas, WA

**Registration is free, but tour size is limited,** register and find more details at

[www.brownpapertickets.com/event/269937](http://www.brownpapertickets.com/event/269937) 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.*

SAMPLE PAID AD

The Reflector  
June 13, 2012

The Camas Washougal Post Record  
June 5, 2012

# Small Acreage Tour

## Columbia Gorge Horse Stables

Saturday, June 23, 2012  
10 am - 12 pm  
Washougal, WA

**FREE!**



### Learn about:

- Paddock design & use
- Cross fencing & pasture rotation and management
- Drainage & mud control
- Manure management

**Pre-Registration Required**  
[www.brownpapertickets.com/event/241767](http://www.brownpapertickets.com/event/241767)  
**OR**  
Call WSU Clark County Extension at 360-397-6060 ext. 0

**Sponsored By:**  
WSU Clark County Extension Small Acreage Program &  
Clark County Environmental Services 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 two weeks prior to the event.

OTHER TOUR PUBLICITY

The Reflector  
June 16, 2012

## Small Acreage Tour at Friendly Haven Rise Farm set for May 20

Melissa Lindberg  
for The Reflector

The Small Acreage Model Property Program is designed to educate and assist property owners in their management efforts for their small acreage farms.

In 2003, the Living on the Land: Stewardship for Small Acreages educational curriculum was created in an effort to help small acreage property owners learn how to manage their property in a manner that is harmonious with the natural resources and reduce pollution from entering our waterways.

Today, the program is funded by the Clean Water Program, working in a partnership with the WSU Clark County Extension programs. Their goal is to educate land owners and reduce the amount of pollution

entering our storm and surface water from residential homes and agricultural properties.

Doug Stienbarger, Director of the WSU Clark County Extension was involved in the creation of the curriculum in 2003 and continues to oversee the program today. He explains that since the recession of 2007-2008, many small property owners have taken an interest in growing their own food.

The Living on the Land: Stewardship for Small Acreages class, offered by the WSU Clark County Extension programs is an educational program which consists of five main components. Each of these components, or themes, are broken down into several mini-lessons.

This 12-week course is de-

signed to help new land owners or beginning farmers learn how to manage their property and animals in a way that shows good stewardship with nature and protects natural waterways.

Graduates of the class will have designed a workable property plan for their property using the skills and practices taught over the length of the class.

As a member of the original team of creators for the curriculum, Stienbarger is very pleased with how the program has grown over the past nine years.

On Sun., May 20, from noon-2 p.m., the WSU Clark County Extension and the Clark County Environmental Services Clean Water Program are hosting a Small Acreage Tour at the Friendly Haven Rise Farm in Venersborg. This

19-acre farm was recognized as a Clark County Model property in 2009. This will be their first time to participate in the tour.

Friendly Haven Rise Farm owners, Joseph and Jacqueline Freeman graduated from the Living on the Land: Stewardship for Small Acreages class over five years ago.

"When we took the class, we were already about five years into our farm," said Jacqueline Freeman. "We knew nothing. I always like to say that because I like people to know that you don't have to be born into a farm family to figure out how to do this. The Living on the Land class was really helpful. They covered a lot of categories that we didn't even have

questions for yet."

"We knew some aspects of gardening. We had already started in with chickens and geese and gardens but cows we were totally brand new on," said Freeman. "The same year we went to that class, we had just got our first cow. We both are very familiar with horses. I grew up in a community that had a lot of farms; we had acreage and we had horses and that is very different from having a regular farm, although I did not know it at the time.

"Like when they talked about how to know if your cow is in good condition and things like that, there were just whole systems that I did not know existed, so I did not have any

questions about them. I did not even know they were there, that was so enlightening to me."

A year after taking the class, the Freemans applied to the Small Acreage Model Property program and were recognized with the honor in 2009.

During the walking tour, the Freemans will share their ideas on biodynamic composting, pasture management, animal care and housing, integrated pest management strategies and nurturing wildlife and giving back to nature.

"Our idea about farming was how could we grow our own food and have a farm and yet be respectful of wildlife around us at the same time," Freeman said. "Our farm isn't border-to-border crop land or border-to-border pasture land; we have areas within the farm that are solely for wildlife. My goal is that our farm share space with everybody. With all the native animals that are already here and can we make it a relationship where nobody gets hurt."

Those interested in visiting the Friendly Haven Rise Farm during the Small Acreage Tour will need to pre-register. This can be done online at [www.brownpapertickets.com/event/240957](http://www.brownpapertickets.com/event/240957) or by calling (360) 397-6060 ext. 0. This event is jointly sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program. If you require special accommodations to attend this walking tour, please call (360) 397-6060 ext. 0 prior to the event.



The Reflector  
September 19, 2012

## Tour of area farm offers solutions for mud, weeds and manure management

Area residents will have the opportunity to a free tour at a local small acreage farm in Camas that is sustainably raising goats, sheep, and chickens.

The tour will be held Sat., Sept. 22, at 10 a.m. at Conway Family Farms in Camas. Registration is free, but tour size is limited. To register and find more details, visit [www.brown-papertickets.com/event/269937](http://www.brown-papertickets.com/event/269937) or call (360) 397-6060 ext 5729.

The landowners manage this successful dairy goat operation while reducing mud and managing manure to reduce negative impacts to soil and water quality. Participants will have the opportunity to see rotational grazing, discuss different fencing types, learn about irrigating small pastures, manure composting and management,



**AREA RESIDENTS will have an opportunity Sat., Sept. 22 to tour a local small acreage farm in Camas that is sustainably raising goats, sheep, and chickens.**

drainage, and roof runoff.

The Small Acreage Program, co-sponsored by Washington State University Clark County

Extension and Clark County Environmental Services Clean Water Program, will lead the tour with the landowners. The tour begins at 10 a.m. and runs until noon and participants meet at the property in Camas.

Eric Lambert, Small Acreage Program Coordinator, says "This is a terrific farm, where the landowners have worked hard to improve their property for their animals, their family, and the environment. It should be a great educational event for everyone and you don't need to own animals to attend."

Farm tours are guided educational events open to everyone. 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.

### A-Plus Power Equipment

Premium Oregon Chain Dealer

**BUY 1 CHAIN  
& GET 2<sup>ND</sup>  
1/2 PRICE**

With this coupon.  
In stock chains only.

### Sales Service Parts

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Factory Authorized Dealer For:



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Sun. Call



**360.882.7748**

9504 NE 76th St., Vancouver

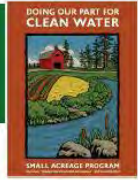
## CURB•ACCENTS

PROFESSIONAL  
CONCRETE EDGING & FLATWORK



## Appendix F: Model Property Calendar

# True North Alpaca Ranch



### Did you know...?

One swallow consumes up to 6,000 insects each day and a bat eats up to 600 mosquitoes in each hour. Ultra violet bug zappers tend to kill more beneficial insects than pests.



### Natural Insect Control

- Identify the pests to be controlled
- Pick up manure every few days at least
- Reduce standing water & mud which breed pests
- Place pheromone traps outside of animal areas
- Parasitic wasps or fly predators feed on insect larvae
- Set up swallow and bat boxes on your property



Bat box



Swallow box



Pheromone fly trap

### What else makes True North Alpacas a model property?

**Gutters & French Drains to Control Runoff** - Controlling runoff can reduce erosion and mud and protect building foundations.

**Fencing to Protect Wetlands** - Limiting livestock access to wetlands and riparian areas reduces mud and erosion and protects important, sensitive habitats.

**Managing Manure** - Composting manure and keeping the pile covered can reduce volume by 50% and keep nutrients from polluting nearby water.

**Good footing** - Using suitable footing materials in heavy use areas reduces mud which harbors pests, bacteria and disease.



French Drain



Fenced-off Wetland

True North Alpacas, a five acre La Center alpaca ranch, received a recognition sign in 2006. Home to an award-winning herd of Huacaya alpacas, True North Alpacas utilizes numerous BMPs to protect our water and encourage wildlife.

## Appendix G: Model Property Brochure


**Show Your Stewardship**  
with the **SMALL ACREAGE**  
**Model Property Program**



The Small Acreage Model Property Program recognizes landowners in Clark County who implement sound stewardship practices to improve their property and protect water quality. Small acreage landowners managing their land and animals in a healthy and sustainable way receive a sign that shows their commitment to clean water.

- Improve property aesthetics and value
- Save time and money
- Protect your natural resources
- Show your commitment to sustainability

**WASHINGTON STATE UNIVERSITY**  
CLARK COUNTY EXTENSION



**How can I participate?**

Contact the Small Acreage Program Coordinator to arrange a casual site visit of your property. The coordinator will make recommendations, discuss solutions and determine if the property meets the criteria. Please note that *WSU Clark County Extension is not a regulatory agency*. We are an educational institution and the program exists to help you manage your property to improve aesthetics, protect your natural resources and save you time and money.

**What does it take?**

Do you...

- Have gutters on most buildings?
- Prevent rainwater from discharging directly into waterways?
- Keep vegetation around waterways and wetlands?
- Limit livestock access to waterways or have BMPs in place to minimize impact?
- Prevent erosion on your stream banks?
- Have limited bare soil areas?
- Know the location and type of your septic system?
- Know when it was last inspected?
- Know where your well is?
- Adequately protect your wellhead?
- Properly store chemicals and fuels away from wells and septic?
- Keep manure covered to minimize nutrient runoff?
- Try to keep a weed-free pasture?
- Limit standing water areas?
- Test your soils?

**For more information or to arrange a visit, contact:**  
Small Acreage Coordinator (360) 397-6060 ext. 5729  
[smallacreage@clark.wa.gov](mailto:smallacreage@clark.wa.gov) <http://clark.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.



## Appendix H: Agricultural Entrepreneurship and Business Planning

### PUBLICITY & PROMOTION

PRESS RELEASE

PAID ADS

FLYER

OTHER PUBLICITY

### AGRICULTURAL ENTREPRENEURSHIP AND BUSINESS PLANNING EVALUATION SUMMARIES

Press Release

**For Immediate Release**

December 3, 2012

Contact: Eric Lambert  
WSU Clark County Extension  
Tel: 360-397-6060 ext. 5729  
Fax: 360-759-6524  
E-mail: [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

**Business Planning Course for Farmers Offered by WSU Clark County Extension**

**Wednesdays, January 16 through March 20, 2013**

6:00 PM to 9:00 PM

Vancouver, WA

Vancouver, WA – Thinking of starting a small farm or agriculturally related business? Do you have an idea to expand your current farm business? Get started the right way by signing up now for WSU Clark County Extension's 10 week course – ***Agricultural Entrepreneurship and Business Planning***.

The course will help new and existing farmers gain skills in business planning and direct marketing. In addition, the course will have a special emphasis on the financial and legal issues unique to agricultural-based businesses. Guest speakers include accountants, attorneys, local agricultural professionals, and local farm business owners who can provide a model for sustainable agricultural in their farming and marketing practices.

“Local farmers looking to expand or start their business will benefit from the great speakers we have lined up and from the opportunity to create a viable business plan during this class series,” says Eric Lambert, Small Acreage Program Coordinator. “A business plan is a valuable tool for farmers to be successful and sustainable,” says Doug Stienbarger, WSU Clark County Extension Director.

Registration is \$75 per farm or family and class size is limited to the first 30

participants. This class series always fills up fast, so please call Eric Lambert at 360-

397-6060 ext. 5729 to register for this terrific learning opportunity right away. ***Deadline for registration is***

***January 14th.***



*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.*

Sample Paid Ads

**THE REFLECTOR**

NOVEMBER 23, 2012

DECEMBER 14, 2012

**THE CAMAS-WASHOUGAL POST RECORD**

November 22, 2012

December 13, 2012



**Business Planning  
for Small Farms**

**January 12 - March 15 2012**  
**Thursdays 6:00 - 9:00 pm**

**Clark County Operations Conference**  
**Center Building B1**  
**4700 NE 78th Street, Vancouver**

**REGISTRATION IS \$75 PER FARM OR  
FAMILY AND CLASS SIZE IS LIMITED**

Full and partial scholarships available on a limited basis.

Call WSU Clark County Extension at 360-397-6060 ext. 5729  
to register, for directions or more information.

**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

**Presented By:**

The Small Acreage Program  
WSU Clark County Extension

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.

Flyer

# Business Planning for Small Farms



**January 12th - March 15th**  
**Thursdays**  
**6:00 PM to 9:00 PM**  
**Vancouver, WA**

Presented by:

The Small Acreage Program  
WSU Clark County Extension

**Learn:**

- **Business planning**
- **Direct marketing**
- **Record keeping**
- **Budget management**
- **Legal issues and much more**



*Get hands-on assistance with all aspects of farm business planning! And have a complete business plan to guide the direction and future of your farm business.*

**Registration is \$75 per farm or family and class size is limited.**

Full and partial scholarships available on a limited basis

To register contact Eric at 360-397-6060 ext. 5729 or [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

*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 prior to the event.*



Other Publicity

The Reflector  
December 14, 2011

## **Farm business planning class offered to help farmers succeed**

The Washington State University Clark County Extension program will offer a 10-week course on agricultural entrepreneurship and business planning beginning in January.

The course, scheduled to begin Thurs., Jan. 12, and run through March 13, from 6-9

p.m., will help new and existing farmers gain skills in business planning and direct marketing. In addition, the course will have a special emphasis on the financial and legal issues unique to farm-based businesses.

Guest speakers include accountants, attorneys, local agricultural professionals, and local farm business owners who can

provide a model for sustainable agricultural in their farming and marketing practices.

“Local farmers will benefit from the great speakers we have lined up and from the opportunity to create a viable business plan during this class series,” says Eric Lambert, Small Acreage program coordinator.

Registration is \$75 per farm or family and class size is limited to the first 30 participants. This class series always fills up fast.

To register call Eric Lambert at (360) 397-6060 ext. 5729. Deadline for registration is January 6th.



Other Publicity

Clark County FYI  
December 14, 2011

## **Farm business planning class, Jan.-March**

If you are thinking about starting a farm or expanding your current farm, get started right by signing up for the 10-week course, Agricultural Entrepreneurship and Business Planning.

Sponsored by Washington State University Clark County Extension, the course will help farmers and those wanting to farm gain skills in business planning and direct marketing. It has a special emphasis on the financial and legal issues unique to farm-based businesses. Guest speakers include accountants, attorneys, local



ag professionals and local farm business owners who can provide a model for sustainable agricultural practices.

Registration is \$75 per farm or family. Class size is limited to 30. To sign up, call Eric Lambert at (360) 397-6060 ext. 5729.

Registration deadline is Friday, Jan. 6, 2012.

## Appendix I: Small Farms Workshops

SAMPLE PRESS RELEASE

WORKSHOP FLYER

SAMPLE PAID AD

OTHER PUBLICITY

SAMPLE PRESS RELEASE

**For Immediate Release**

June 18, 2012

Contact: Eric Lambert  
WSU Clark County Extension  
Tel: 360-397-6060 ext. 5729  
E-mail: [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)

**Developing Marketing Cooperatives for Small Farms Workshop**

**Wednesday, June 18, 2012**

6:30 PM to 8:30 PM  
78<sup>th</sup> Street Heritage Farm  
1919 NE 78<sup>th</sup> Street  
Vancouver, WA

Vancouver, WA – Join the WSU Clark County Extension Small Acreage Program for a free workshop on developing marketing cooperatives for small farms. The workshop will explore successful marketing cooperatives in the Pacific Northwest with co-op development specialist Eric Bowman from Northwest Cooperative Development Center and teach the necessary steps to forming a marketing cooperative. Participants will also have the chance to meet other producers interested in cooperative marketing and learn whether the model is right for them.

The Small Acreage Program, co-sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program will provide handouts and information with the Northwest Cooperative Development Center on hand to answer participants' questions.

Eric Lambert, Small Acreage Program Coordinator says, "Small producers are often constrained by limited marketing avenues. This workshop will be a great opportunity for those producers to connect and see if cooperative marketing strategies can help expand their market options."

**Registration is free but class size is limited, so pre-registration is highly recommended.** Please register at [www.brownpapertickets.com/event/254897](http://www.brownpapertickets.com/event/254897) or call 360-397-6060 ext. 0 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 prior to the event.*

WORKSHOP FLYER

# Developing **Marketing Cooperatives** for Small Farms

Expand your market options!



## Marketing Cooperative workshop

- \* Examples of successful marketing cooperatives in the Pacific Northwest.
- \* Expert advice from the Northwest Cooperative Development Center.
- \* Will a marketing cooperative work for you?
- \* Meet other producers interested in cooperative marketing.



Wednesday, July 18, 2012  
6:30 to 8:30 pm  
78th Street Heritage Farm  
1919 NE 78th Street - Vancouver, WA

**Class size is limited. Registration required at:**  
[www.brownpapertickets.com/event/254897](http://www.brownpapertickets.com/event/254897)

**FREE!**

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



WSU Extension programs are available to all without discrimination. Call 360-397-6060 ext. 0 for special accommodations.

SAMPLE PAID AD

THE REFLECTOR  
JANUARY 18, 2012

THE CAMAS-WASHOUGAL POST RECORD  
JANUARY 17, 2012

# Water Rights & Rainwater Harvesting

**Saturday, January 28, 2012**  
**9:00 am - 2:00 pm**  
**Battle Ground**

**Pre-Registration is Required at:**  
**[www.brownpapertickets.com/  
event/218755](http://www.brownpapertickets.com/event/218755)**

**Call WSU Clark County Extension at 360-397-6060 ext. 5729  
for more information.**

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.

## Topics include:

- WA State water rights
- Ways to supplement your water supply
- Capturing, storing, and using rainwater
- Rainwater harvesting applications for small acreage properties
- Regulations and safety issues for indoor rainwater and grey water use

## Jointly Sponsored By:

WSU Clark County Extension  
Clark County  
Environmental Services  
Clean Water Program



OTHER PUBLICITY

The Reflector  
January 11, 2012

## WSU Extension to host rain water workshop

*Harvesting the Rain and Understanding Water Rights* is the theme for the upcoming workshop by the Small Acreage Program, cosponsored by Washington State University Clark County Extension and the Clark County Environmental Services Clean Water Program.

This course will provide information on water rights in Washington State and how residents can supplement their water supply by capturing rainwater. Participants will gain clarity about often misunderstood water rights laws and learn how rainwater can be harvested, stored and used for agricultural and grey water applications.

The event will feature three



**WASHINGTON STATE UNIVERSITY Clark County extension is offering a workshop teaching residents their water rights for collecting rain water in Clark County.**

experts in the field of water rights and rainwater harvesting: Mike Gallagher of Washington State Department of

Ecology, Aaron Henderson of Clark County Public Health, and Jason Garvey, founder of Portland Purple Water.

"Water rights are an important issue for landowners or those considering buying acreage," said Eric Lambert, program coordinator. "You will learn about recent changes to rainwater catchment laws which open the door to this exciting and fast growing method of supplementing water supply."

The workshop is scheduled for Sat., Jan. 28, from 9 a.m.-2 p.m. Participants will receive a packet of resources and lunch at a cost of \$5. Due to limited class size, this workshop requires pre-registration to participate. Register and find more details about where the workshop will be at [www.brownpaper-tickets.com/event/218755](http://www.brownpaper-tickets.com/event/218755).

**Cassie N. Crawford**  
Attorney at Law  
**(360) 573-4405**

## Appendix J: Evaluation 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

LOL IMPACT SURVEY

Living on the Land (LOL) Participant Survey

*We are glad you were able to participate in the 2011 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

**Please rate your knowledge of the following topic areas for both before and after you participated in the LOL course. (Please circle your responses.)**

			<i>Poor</i>	<i>Fair</i>	<i>Good</i>	<i>Excellent</i>	<i>Unsure / Don't Know</i>	<i>Does Not Apply</i>
13.	Managing weeds:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
14.	Keeping my pasture/hay field healthy:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
15.	Managing rainwater (stormwater runoff) so that it stays clean:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
16.	Soil and how it relates to managing my land:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
17.	Setting realistic goals for my land:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
18.	Managing animal manure:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
19.	Managing / controlling mud:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA
20.	How my management practices impact clean water:	Before....	1	2	3	4	DK	NA
		After .....	1	2	3	4	DK	NA

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 18<sup>th</sup> 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](mailto:stiendm@wsu.edu))



LOL Pre-Class Survey

**Living on the Land – Stewardship for Small Acreages**

September 4 through November 20, 2012

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 ☐ \_\_\_\_\_

Pasture ☐ \_\_\_\_\_

Orchard ☐ \_\_\_\_\_

Hay ☐ \_\_\_\_\_

Floral/landscape ☐ \_\_\_\_\_

Lawn ☐ \_\_\_\_\_

Forest ☐ \_\_\_\_\_

Other (please ☐ \_\_\_\_\_

list) \_\_\_\_\_

Wildlife habitat ☐ \_\_\_\_\_

Other (please ☐ \_\_\_\_\_

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

Small Acreage Program  
October 16<sup>th</sup>, 2012

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
Understanding major nutrients needed by plants	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How soil PH impacts nutrient management	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Determining fertilizer needs	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How to use manure for fertilizing safely	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
<b>Workshop evaluation</b>		<b>Very Little</b>		<b>Some</b>		<b>Definitely</b>
Do you intend to use any of the information provided?		1	2	3	4	5
Did you learn something new or how to do others differently?		1	2	3	4	5

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 Program 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 Craig Cogger
- *Module 3: Water Quality, Wells & Septics, and Streams* – Cary Armstrong, Bridgette Bashaw, and Jenifer Naas
- *Module 5: Pasture & Weed Management* – Ron Hendrickson, Gene Pirelli, and Gary Fredricks
- *Module 6: Caring for your Animals: Animal Management and Wildlife* – Rachel Maggi and Doug Stienbarger
- *Module 7: Business Opportunities* – Jordan Boldt, Jan Boldt, Matt Schwabb, Kelly O'Neill, Anne Lawrence
- *Module 8: Sustainability 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	
	Very Much So			Not At All		
Did the program series answer most of your questions?	5	4	3	2	1	
Did you learn useful information?	5	4	3	2	1	
	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:



Well & Septic Workshop Evaluation

**Well & Septic Workshop  
Evaluation/Assessment Form  
November 13, 2012**

**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?	1	2	3	4	5
Was the septic inspection component sufficient?	1	2	3	4	5
Was this program understandable?	1	2	3	4	5
Did the program answer your questions?	1	2	3	4	5
Was this program worth your time to attend?	1	2	3	4	5

What did you like best about the program?

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

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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.

Fence Building Workshop Evaluation

# Fence Building for Small Acreages Workshop Evaluation

Small Acreage Program

August 2, 2012

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
Fencing basics	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Using temporary fencing for rotational grazing	Before...	1	2	3	4	5
	After...	1	2	3	4	5
Installing high tension 'Kiwi' fencing	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How pasture management and rotational grazing 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
<b>Workshop evaluation</b>		<b>Very Little</b>		<b>Some</b>		<b>Definitely</b>
Do you intend to use any of the information provided?		1	2	3	4	5
Did you learn something new or how to do others differently?		1	2	3	4	5

What was the most informative part of this workshop?

Are there part(s) we need to spend more or 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

Clark County Small Acreage Program  
Conway Family Farm  
September 22, 2012

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>Average</i>				
<i>(Please circle your responses)</i>		<i>Poor</i>	<i>Fair</i>	<i>e</i>	<i>Good</i>	<i>Excellent</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 control and manage runoff.	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
<i>Tour evaluation</i>		<i>Very Little</i>		<i>Some</i>		<i>Definitely</i>
Do you intend to use any of the information provided to change what you do on your property?		1	2	3	4	5
Did you learn something new or how to do others differently?		1	2	3	4	5

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?