

# Small Acreage Landholder Outreach Program 2015 Annual Report

Submitted to Clark County Clean Water Program

Submitted by WSU Clark County Extension

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WSU CLARK COUNTY EXTENSION

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## Executive Summary

The *Living on the Land: Stewardship for Small Acreages* class series graduated 30 people in 2015.

The program attracted 62 participants to BMP workshops on rainwater harvesting, pasture establishment and renovation, and weed management. Three well and septic inspection certification and maintenance workshops garnered 143 participants, while 31 people attended two small acreage property tours. The small acreage Expo brought in 97 people, while 1,038 people toured farms at the Harvest Celebration.

Six properties were assessed in 2015 for their efforts to implement BMP's to protect water quality and three signs were awarded.

### 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://ext100.wsu.edu/clark/calendar/>).

The program tracks website hits and document downloads monthly and compiles quarterly statistics (Table 1). This year, at least 1,350 visitors accessed the program's website. Sixty-two percent of the visitors to the website came during the second and third quarters, likely due to the many workshops and outreach events in the middle of the year compared to the slower first and fourth quarters. Seventy-four percent of the 585 visitors accessing the new Living On the Land website did so in the third and fourth quarter while the class was running.

The fact sheet on heavy use areas, *Reduce Mud and Keep Water Clean: Sacrifice Areas* was the most popular of the year with 176 downloads. The second most popular download, *Don't Let Your Dollar\$ Go Down the Drain! Septic Tank Additives* was close with 148 downloads before dropping off significantly with 59 downloads of *How Green is Your Grass? Five Steps to Better Pasture & Grazing Management*.

Video views rose steadily throughout 2015. The most popular video continues to be *Manure Management*, which was viewed 988 times in 2015, nearly eleven times more than the next highest, *Five Ways to Protect Riparian Areas*.

#### *Issues and Recommendations*

There are none at this time. WSU has not yet helped with adding code to pdf documents so that Google Analytics will better track downloads, and no estimate has been provided for doing so.

#### *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>
Reduce Mud and Keep Water Clean: Sacrifice Areas	28	45	45	58	176
Don't Let Your Dollar\$ Go Down the Drain! Septic Tank Additives	11	33	58	46	148
How Green is Your Grass? Five Steps to Better Pasture & Grazing Mgmt	22	7	13	17	59
Save Time and Money - Properly Landscape Your Septic System	12	21	17	7	57
Keeping Clean Water Clean & Reducing Mud - Improving Drainage	4	11	5	6	26
Community Supported Agriculture Brochure	10	3	1	0	14
Small Acreage Landowner Services Directory	1	6	1	3	11
Protecting Drinking Water: Simple Tips for Well Maintenance	1	0	2	3	6
Information on Small Acreage Management - Resource List	0	0	3	1	4
What Can You Do On Your Land? Frequently Asked Questions	0	0	1	3	4
Constructing Ponds and Water Features - What Does It Take?	0	2	1	0	3
Water Quality Self-Assessment for Small Acreages	2	1	0	0	3
Manure Management: Strategies for Collection, Storage & Disposal	1	1	0	0	2
Protecting Your Investment: Inspecting Your Septic System	1	0	0	1	2
Keeping Clean Water Clean & Reducing Mud: Managing Roof Runoff	0	0	1	0	1
What's Bugging You? Natural Insect Control for Small Acreages	0	0	0	0	0
Certified Kitchens Fact sheet	0	0	0	0	0
Do You Qualify For Reduced Property Taxes? Current Use Taxation	0	0	0	0	0
Best Management Practices for Small Acreages	0	0	0	0	0
Simple Steps To Protect Your Surface and Well Water	0	0	0	0	0
Tips On Land & Water Management for Small Acreages in SW WA	0	0	0	0	0
<b>Total Downloads</b>	<b>93</b>	<b>130</b>	<b>148</b>	<b>145</b>	<b>516</b>
<b>Video Clips</b>					
Manure Management	177	231	257	323	988
Five Ways to Protect Riparian Areas	34	20	13	23	90
Doing Our Part for Clean Water	46	5	6	1	58
Reducing Mud on Small Acreages	8	13	9	27	57
Five Quick Steps to Reduce Mud	11	9	26	9	55
Managing Manure	8	12	14	7	41
Livestock Exclusion and Off Channel Watering	6	7	4	6	23
<b>Total Views</b>	<b>290</b>	<b>297</b>	<b>329</b>	<b>396</b>	<b>1312</b>
<b>Website Visitors</b>					
Small Acreage Web Page	263	339	497	251	1350
Living on the Land Web Page	56	96	282	151	585
BMP Video Web Page	25	36	16	8	85
Publications and Videos Page	9	30	16	9	64
<b>Total Visitors</b>	<b>353</b>	<b>501</b>	<b>811</b>	<b>419</b>	<b>2084</b>

## Task 1b - Publications

**Stewardship Article.** The Coordinator submitted one article on stewardship entitled, *Want Healthy Pastures? Follow 'three-inch rule'* which appeared in the Horse Corral section of The Reflector newspaper on October 7 (Appendix A). The article also promoted an upcoming tour at Vossenberg Farms.

**Factsheet or online PowerPoint.** The Coordinator did not complete a factsheet or online PowerPoint presentation.

### *Deliverables*

An article on stewardship and BMPs was published in a local newspaper.

### *Issues and Recommendations*

The Coordinator only completed part of a factsheet on rainwater harvesting due to time constraints, but this will be finished in the first quarter of 2016.

## 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 3 through November 19. The syllabus (Table 2) included some speaker changes in the septic class, the well class, weed management, and for the My Place On a Stream class.

**Table 2: LOL Class Schedule**

Date	Topic	Instructor(s)
9/3	What Do You Have & What Do You Want? / Turning Dreams into Reality	<i>Doug Stienbarger</i> , WSU Clark County Extension
9/10	What Can You Do? Turning Dreams into Reality	<i>Doug Stienbarger</i> , WSU Clark County Extension
	Business Opportunities	<i>Chip Bubl</i> , OSU Extension
9/17	Maintaining Your Septic System	<i>Sean Hawes</i> , Clark County Public Health
	Protecting Household Drinking Water	<i>Brigette Bashaw</i> , Clark County Public Health
9/24	How Grass Grows & Pasture Renovation and Establishment	<i>Gene Pirelli</i> , Forage and Livestock Specialist, OSU Polk County Extension
10/1	What to Do About Weeds?	<i>Mike Monfort</i> , Clark County Vegetation Mgmt.
10/8	Getting Down and Dirty With Soil	<i>Gordon French</i> , LJC Feeds
10/15	Managing Soil to Keep it Productive	<i>Caroline Swansey</i> , Yacolt Mountain Farm
10/22	Watershed Pollution	<i>Cary Armstrong</i> , Clark County Environmental Services Clean Water Program
	Clark County Land Use Zoning and Codes	<i>Scott Melville</i> , Clark County Community Devel.
10/29	Managing Animals to Avoid Negative Impacts	<i>Doug Stienbarger</i> , WSU Clark County Extension
	My Place On a Stream	Chris Hathaway, Lower Columbian Estuary Partnership
11/5	Managing Grazing for Sustainable Pastures	<i>Gary Fredricks</i> , WSU Cowlitz County Extension
11/12	Living With Wildlife & Pollinators	<i>Rachel Maggi</i> , NRCS & Zorah Oppenheimer, CCD
	Resources & Opportunities	<i>Denise Smee</i> , Clark Conservation District
11/19	Focusing on Stewardship: Tying it Together / Graduation	<i>Eric Lambert</i> , WSU Clark County Extension

Instead of a class blog, the Coordinator created a class website within the main Small Acreage Program website (<http://ext100.wsu.edu/clark/naturalresources/smallacreageprogram/small-acreage-living-on-the-land/>). The site contained class material organized by module, including worksheets, curriculum and supplemental readings. The site is open to anyone.

**Publicity and Promotion.** Participants learned about the class through several different sources; email notification accounted for 45%, followed by program events and internet sources (including the WSU Clark County Extension website and the Small Acreage Facebook page) accounted for 15% apiece (Table 3). The program also promoted the class through individual contacts, county programs, and other WSU lists (see announcements and flyers, Appendix B).

**Table 3: How Participants Learned About the LOL Class Series**

Source	No.	%
E-mail	11	42%
Small Acreage Events	4	15%
Internet (WSU Ext website, Facebook)	4	15%
Reflector	3	12%
Columbian	2	8%
Other (CCEHC Directory, word of mouth, other organizations)	2	8%
Friends, family, and neighbors	0	0%
Camas Washougal Post Record	0	0%
<b>Total</b>	<b>26</b>	<b>100%</b>

Thirty participants from 21 households graduated; 90% of graduates attended 10 or more classes. Graduation required completing at least six classes (Table 4). Graduates included 18 households who own property. Two graduate households currently own small lots, but intend to use the course as preparation for buying small acreage property in the near future, and one household is leasing a property. Over the course of 12 weeks (36 hours of instruction), one registrant formally withdrew citing travel and time conflicts, while three attended classes intermittently. Four registrants, who were partners of graduates, attended two or fewer classes. Graduates received a LOL mug and a certificate of completion. Those with perfect attendance also received a LOL hat.

**Table 4: LOL Attendance**

Classes Attended	# Graduates	As % of Graduates
12	7	23%
11	10	33.3%
10	10	33.3%
9	0	0%
8	2	7%
7	1	3%
6	0	0%
<b>Total</b>	<b>30</b>	<b>100%</b>

When asked why they signed up for the class, participants cited better land management, putting the land to productive use, managing livestock, pasture management, learning to grow crops, learning about what to look for when buying land in the future, water quality issues, weed control, and wildlife. Thirteen of the 21 pre-surveys submitted by graduates indicated they primarily attended to learn about managing natural resources or stewardship.

Ninety percent of course graduates attended at least 83% of the class sessions, the highest percentage among previous classes which ranged from 63% to 89% (the average since 2003 is 75%). Twenty-three percent attended every session which is above the 18% average since the course began.

**Profile of LOL Graduates.** Classes were held at the Clark County 78<sup>th</sup> Street Public Works Ops Center in Vancouver. Overall, residents from the north and central parts of Clark County represented the largest number of participants with fewer coming from the south (Table 5); this follows the historical trend for all classes. Among graduates coming from the south, none came from Camas or Washougal. All but three graduates reside in Clark County.

**Table 5: Geographic Distribution of Graduates**

Location	F03	S04	F04	S05	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15	City Totals
North																
Amboy	0	3	4	5	1	3	3	1	2	0	1	1	1	0	3	28
La Center	6	7	4	5	3	6	5	1	0	3	3	5	1	3	4	56
Ridgefield	0	5	2	2	7	2	2	6	3	3	0	7	3	2	1	45
Yacolt	0	6	0	0	1	7	3	0	1	1	1	0	0	2	2	24
Woodland (Clark Co.)	0	0	2	2	1	2	2	3	0	0	0	0	0	0	1	13
<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>5</b>	<b>7</b>	<b>11</b>	<b>166</b>
Central																
Battle Ground	8	14	8	5	4	6	6	7	2	2	3	8	9	8	9	99
Brush Prairie	2	4	5	2	0	0	2	3	4	0	3	1	0	2	2	30
<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>9</b>	<b>10</b>	<b>11</b>	<b>129</b>
South																
Camas	1	0	0	1	4	1	1	1	4	2	2	0	1	0	0	18
Vancouver	4	3	2	3	3	2	2	4	5	5	3	4	6	8	5	59
Washougal	2	1	3	0	1	3	6	0	0	4	2	0	0	1	0	23
<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>7</b>	<b>9</b>	<b>5</b>	<b>100</b>
Out of County	0	0	4	2	2	1	0	5	2	5	1	2	6	0	3	33
<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>27</b>	<b>26</b>	<b>30</b>	<b>428</b>

Sixteen households managed a total of 160 acres averaging 7.6 acres per property, lower than the average since 2003 of 10.9 (Table 6). Average length of time residing on their land was 4.5 years, nearly three years lower than the average of 7.4 years, and the second lowest of any graduate class. Seventy-

**Table 6: Graduate Property Characteristics\*\***

		F03	S04	F04	S05	F05	F06	F07*	F08	F09	F10 <sup>+</sup>	F11 <sup>^</sup>	F12	F13	F14	F15	Totals
# Graduates		23	43	34	27	27	33	32	31	23	25	19	28	27	26	30	428
# Properties		19	33	27	22	24	25	24	23	12	16	15	21	16	16	21	312
Ac Owned	Total Acreage	132	377	412	317	299	388	323	229	111	267	97	161	97	107	160	3477
	Avg Ac/ Property	8.3	11.1	15.3	14.4	12.5	15.5	14.7	10	9.3	16.7	7	8.5	5.1	6.7	7.6	10.9
	Smallest	2.5	2.5	2.3	5	1	1	2	1.6	0.8	1	0.2	.1	.2	1	.3	
	Largest	35	82	80.2	68	60	79	41	49	45	67	25	40	21	20	24.4	
	< = 5 ac	7	13	11	7	7	8	13	12	8	6	7	10	11	10	11	141
	>5 - 10	7	13	3	8	9	11	6	3	2	1	5	6	4	3	5	86
	>10 - 20	1	5	5	4	4	2	1	6	1	3	1	1	0	3	4	41
	> 20 ac	1	3	8	3	4	4	3	2	1	5	1	1	1	0	1	38
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	5.2	6.9	4.5	7.2
	Least	.1	0	0	0	.3	.1	0	0	.3	.3	.1	.1	0	0	.3	
	Most	8.5	34	38	40	34	66	17	26	30	40	32	15	20	20	22	
Land with:	Septic System	14	31	25	21	23	24	22	22	10	10	12	18	15	14	18	279
	Well	11	27	25	17	21	23	20	16	9	10	8	16	10	11	15	239

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

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

six percent (16 out of 21) of the graduate properties were 10 acres or smaller, about the same as the 75% average since 2003. Eighty-six percent of graduate household properties (18 out of 21) have septic tanks on their property, while 71% of properties have potable water wells (15 out of 21).

Sixty-two percent of the 2015 graduate households use land for vegetable production and 52% use land for pasture. These land uses typically constitute the most common land uses in all the class series (Table 7). Forest comprises the largest land use by acreage; followed by pasture.

**Table 7: Types of Land Use On Graduate Properties**

Land Use	Number of Graduate Properties (Ac)															Total	% Grad Properties
	F03	S04	F04	S05	F05	F06	F07+	F08	F09	F10	F11	F12	F13	F14	F15		
Vegetable Production	12	26	23	13	17	17	16	17	9	11	12	13	12	9	13	220	70%
Orchard Production	7	20	17	10	10	13	15	14	5	10	10	10	11	5	10	166	53%
Landscape	12	20	15	10	11	12	9	14	2	4	8	4	6	6	4	136	44%
Wildlife	9	21	15	12	12	14	9	12	2	6	8	7	9	6	9	150	48%
Lawn	15	27	23	15	18	22	17	13	8	5	14	11	14	13	10	224	72%
Pasture	11	19	15	12	17	18	18	19	10	9	9	13	12	8	11	200	64%
<i>Acre*</i>	<i>23</i>	<i>33</i>	<i>73</i>	<i>58</i>	<i>53</i>	<i>65</i>	<i>81</i>	<i>31</i>	<i>8</i>	<i>54</i>	<i>22</i>	<i>37</i>	<i>31</i>	<i>29</i>	<i>26</i>	<i>621</i>	
Hay	2	6	8	6	2	3	1	5	2	3	1	1	2	1	3	46	15%
<i>Acre*</i>	<i>2</i>	<i>39</i>	<i>18</i>	<i>23</i>	<i>5</i>	<i>12</i>	<i>n/a</i>	<i>52</i>	<i>5</i>	<i>8</i>	<i>2</i>	<i>N/A</i>	<i>11</i>	<i>18</i>	<i>2</i>	<i>196</i>	
Forest	9	22	16	8	10	17	9	9	3	8	9	7	9	7	8	150	48%
<i>Acre*</i>	<i>29</i>	<i>26</i>	<i>30</i>	<i>8</i>	<i>28</i>	<i>117</i>	<i>106</i>	<i>12</i>	<i>15</i>	<i>55</i>	<i>20</i>	<i>35</i>	<i>43</i>	<i>26</i>	<i>51</i>	<i>600</i>	

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

Sixty-two percent of graduate households in the 2015 class keep livestock (Table 8), primarily consisting of poultry (chickens), sheep, goats, and llamas. Excluding poultry and rabbits, since 2003, cattle, alpacas, goats and horses comprise the most common type of animal owned, followed by sheep, swine, and llamas. Though totals of livestock owned by past graduates show rabbits and alpacas as

**Table 8: Numbers of Livestock Owned\***

Animal	F03	S04	F04	S05	F05	F06	F07+	F08	F09	F10	F11	F12	F13	F14	F15	Total
Poultry	86	112	792	65	40	44	44	108	137	86	58	250	412	144	103	<b>2,481</b>
Rabbits	20	3	0	0	0	0	0	0	6	0	4	0	416	0	6	<b>455</b>
Cattle	3	90	23	68	9	43	0	15	0	24	0	8	20	0	4	<b>307</b>
Alpacas	0	7	90	19	41	0	28	12	81	0	11	0	0	0	0	<b>289</b>
Goats	3	28	4	0	2	73	21	12	48	16	11	3	19	19	20	<b>275</b>
Equine	27	28	25	8	53	18	15	21	14	7	23	7	0	12	9	<b>259</b>
Sheep	0	5	143	0	0	0	8	4	9	2	5	0	13	0	22	<b>211</b>
Swine	0	2	13	0	0	9	90	3	0	0	0	8	4	2	0	<b>131</b>
Llama	12	0	2	9	7	1	10	4	1	0	0	0	0	0	11	<b>57</b>
Donkey	0	0	2	4	4	2	2	1	0	4	0	0	0	0	0	<b>19</b>
Ostrich/Emu	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>6</b>
<i>Total</i>	<i>151</i>	<i>275</i>	<i>1,092</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>884</i>	<i>177</i>	<i>175</i>	<b>4,490</b>

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



second and third on the list, 91% of the rabbits were owned by two 2013 graduates and no graduates from the past four years have owned alpacas. Since poultry manure contains high concentrations of nutrients relative to weight, it can pose an underappreciated danger to water quality. Educating 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 at least 1,554 large animals and 2,936 small animals (poultry and rabbits) over the life of the program (not all participants provide data in the pre-class survey).

**LOL Class Session Evaluations.** Participants evaluated individual class sessions on a scale of one to five (five being the highest), ranking no class lower than 4.1 (Table 9). The highest rated classes were grazing management and pasture management, both rated at 4.8.

**Table 9: LOL Evaluation Summary**

	Inventory 1	Inventory 2	Business	Wells & Septic	Pastures	Weeds	Soils 1	Soils 2	Watershed Pollution	Animals Management	My Place On a Stream	Grazing	Wildlife	Stewardship
Overall Score?	4.1	4.2	4.2	4.5	4.8	4.3	4.5	4.5	4.4	4.2	4.1	4.8	4.4	4.7
	Percent of respondents answering YES													
Intend to use info?	96%	95%	100%	95%	100%	100%	100%	100%	89%	95%	80%	95%	100%	100%
N (NR)	27 (2)	21 (8)	19 (10)	20 (10)	24 (10)	24 (4)	26 (1)	19 (5)	19 (5)	20 (7)	20 (7)	22 (6)	23 (3)	24 (4)
Learn something new?	96%	90%	95%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	95%
N (NR)	27 (2)	21 (8)	19 (10)	17 (13)	24 (10)	24 (4)	26 (1)	19 (5)	20 (4)	20 (7)	22 (5)	22 (6)	23 (3)	22 (6)

At least 80% of respondents intend to use the information learned about all 14 class topics, while at least 90% said they learned something new among all topic areas. All respondents learned something new in 10 out 14 topics.

**LOL Class Course Evaluations.** Participants also evaluated the 12 week program as a whole (see evaluation forms, Appendix K). Respondents stated they learned useful information and the classes answered most of their questions (Table 10). Most thought the course length was just right with a few indicating it was a little too long. Many indicated they would utilize the information learned to change practices on their land, such as covering manure, cross fence pastures and implement rotational grazing, create sacrifice areas, controlling weeds, and plant cover crops.

**Table 10: Overall LOL Program Evaluation Summary**

Evaluation Question	Average
What overall score would you give this program?	4.9
How much will you use this information to change your practices?	4.8
	<b>% YES N (NR)</b>
Did the program series answer most of your questions?	100% 27 (1)
Did you learn useful information?	100% 27 (1)

Respondent comments indicate they felt much more knowledgeable about general land management practices and they appreciated the resources provided:

“[Based on the class, we changed the way we manage our property by] collecting rain water, covering the manure pile, [and implementing] rotational grazing.”

“We drive by farms all the time now and talk about what they could be doing different or what they are doing right.”

“I was thinking of getting some grazing animals...but after reflecting on some of the class topics I'm going to hold off.”

“Everyone buying a home needs this class!”

**Knowledge Increases.** Participants were asked to rate their knowledge before and after participating in the lesson on four topics using a scale of one to five, from poor to excellent. The difference in these rankings represents the knowledge increase experienced by respondents. Overall, at least 52% of respondents indicated increasing their knowledge on all session topics. The presentation on *watershed pollution* and *Clark County codes* produced some of the greatest knowledge increases with at least 14% to 19% of respondents reporting their highest change in knowledge (four levels) on all topics. At least 90% of respondents increased their knowledge by at least one level eight of the 12 topics covered.

**Table 11: 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	26%	26%	33%	15%	0%	27 (2)
	Considering neighbors when setting property goals	41%	41%	15%	4%	0%	27 (2)
	Identifying assets on your property	33%	37%	7%	22%	0%	27 (2)
	Identifying problems on your property	27%	27%	27%	15%	4%	26 (3)
<b>Inventory 2</b>	The importance of photo documentation to successfully track your progress and mgmt plans	24%	19%	43%	5%	10%	21 (8)
	Considering financial resources in setting goals and planning the management of your property	48%	33%	19%	0%	0%	21 (8)
	Considering human resources in setting goals and planning the management of your property	43%	43%	14%	0%	0%	21 (8)
	Identifying limitations, both legal and non-legal, when setting property goals	14%	29%	29%	29%	0%	21 (8)
<b>Business</b>	Evaluating resources for starting a business	5%	53%	21%	16%	5%	19 (10)
	Importance of goal setting & business planning	32%	42%	11%	11%	5%	19 (10)
	Resources available for small business entrepreneurs	16%	32%	32%	16%	5%	19 (10)
	What it takes to start a small business in agriculture	5%	37%	32%	16%	11%	19 (10)
<b>Wells &amp; Septic</b>	Knowledge of well and septic maintenance	6%	38%	38%	19%	0%	16 (14)
	How to keep my drinking water healthy	6%	63%	19%	6%	6%	16 (14)
	Protecting my septic system	0%	33%	28%	33%	6%	18 (12)
	How to properly inspect my septic system	6%	28%	11%	39%	17%	18 (12)
<b>Pastures</b>	Methods for renovating/reseeding pastures	0%	12%	44%	40%	4%	25 (9)
	Common grass/legume species for W WA pastures	0%	36%	12%	36%	16%	25 (9)
	Pasture management practices during fall and winter	4%	17%	43%	26%	9%	23 (11)
	Grazing management that encourages healthy grass and maximizes available forage	0%	23%	41%	27%	9%	22 (12)

**Table 11 Continued**

LOL Class	Knowledge Area	Before and After Class Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
<b>Weeds</b>	What to consider when creating a weed management plan	4%	29%	42%	25%	0%	24 (4)
	Plant life cycles of weeds	13%	29%	38%	21%	0%	24 (4)
	Methods used to control weeds	8%	38%	42%	13%	0%	24 (4)
	Identifying weeds in our area	8%	38%	38%	13%	4%	24 (4)
<b>Soils 1</b>	Understanding soil structure, type and texture	4%	12%	65%	15%	4%	26 (1)
	Causes of erosion and how to minimize them	20%	60%	12%	8%	0%	25 (2)
	How to improve soils by adding amendments	4%	42%	35%	15%	4%	26 (1)
	How to properly test your soils	4%	28%	44%	20%	4%	25 (2)
<b>Soils 2</b>	Understanding major nutrients for plant/soil health	0%	42%	21%	37%	0%	19 (5)
	How soil chemistry impacts soil health and available nutrients	0%	16%	42%	37%	5%	19 (5)
	Understanding soil tests	0%	47%	21%	26%	5%	19 (5)
	Benefits of soil life	0%	37%	32%	21%	11%	19 (5)
<b>Watershed Pollution &amp; C.C. Codes</b>	Why the Clean Water Program was formed	0%	35%	20%	30%	15%	20 (4)
	How the Clean Water Program collects and uses funds to improve our waterways	0%	14%	19%	48%	19%	21 (3)
	Clark County Codes that may affect what you can do on your property	0%	33%	38%	14%	14%	21 (3)
	Where to find answers about codes and permits in Clark County	10%	14%	24%	33%	19%	21 (3)
<b>Managing Animals</b>	Understanding impacts animals have on our watershed	26%	52%	13%	9%	0%	23 (4)
	Managing runoff	27%	36%	23%	14%	0%	22 (5)
	Best Management Practices that reduce mud	22%	48%	9%	22%	0%	23 (4)
	BMPs for managing manure	19%	43%	19%	19%	0%	21 (6)
<b>My Place On a Stream</b>	Functions of riparian areas	9%	39%	39%	13%	0%	23 (4)
	Signs of a healthy/unhealthy stream	9%	30%	48%	13%	0%	23 (4)
	Practices for maintaining healthy streams	10%	29%	38%	24%	0%	21 (6)
	Tips for improving stream health	9%	41%	32%	18%	0%	22 (5)
<b>Grazing</b>	Grazing management benefits and practices	9%	32%	50%	9%	0%	22 (6)
	Feed and forage needs of animals	4%	26%	43%	22%	4%	23 (5)
	Things to consider when evaluating hay	9%	4%	30%	35%	22%	23 (5)
	Body Condition Scoring	9%	13%	30%	43%	4%	23 (5)
<b>Wildlife</b>	How to create wildlife habitat	9%	35%	30%	26%	0%	23 (3)
	Ways to discourage unwanted wildlife	4%	39%	39%	13%	4%	23 (3)
	Native pollinators and their habitats	9%	36%	32%	23%	0%	22 (4)
	Resources available at the Clark Conservation District	4%	22%	26%	39%	9%	23 (3)
<b>Stewardship</b>	What stewardship and sustainability mean for small acreage residents	8%	24%	48%	16%	4%	25 (3)
	Applying knowledge of LOL modules in a whole-farm approach	0%	36%	28%	32%	4%	25 (3)
	Developing short term actions to achieve long term goals	4%	44%	24%	24%	4%	25 (3)
	How to monitor and assess your progress	4%	38%	29%	25%	4%	24 (4)

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

At least 50% of respondents increased their knowledge at least two levels on 42 of the 56 topics surveyed (Table 11). At least 64% of respondents increased their knowledge at least two levels on all

pasture related topics. All respondents increased their knowledge at least somewhat when asked about the Clean Water program, indicating most were unaware of how Clark County collects and uses funds to improve our waterways. In general, the classes on *Inventorizing Resources* saw the smallest knowledge increase, but 52% - 86% of respondents still increased their knowledge about the eight topics.

### *Deliverables*

The program graduated 30 people from the *Living on the Land: Stewardship for Small Acreages* 12 week course and the Coordinator also created a *Living On the Land* webpage instead of a blog.

### *Issues and Recommendations*

There are none at this time.

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

The program held three *Well and Septic Inspection and Maintenance* workshops in 2015. The first workshop, held at CASEE in Brush Prairie on May 20, drew 40 participants (Table 12). The second workshop, also held at CASEE on July 9 attracted 43 participants. The third workshop (also part of the LOL class) on September 17 at the Prairie High auditorium attracted 60 general public attendees.

**Table 12: Well & Septic Workshop Attendance & Schedule**

Date	Location	Time	Attendance
May 20	CASEE Center – Brush Prairie	6 – 9 pm	40
July 9	CASEE Center – Brush Prairie	6 – 9 pm	43
September 17	Prairie High – Brush Prairie	6 – 9 pm*	60
<b>Total Attendance</b>			<b>143</b>

\* Workshop as part of *Living on the Land* class series. Figure does not include LOL participants.

The content remained the same to the previous years' workshops (Table 13). At the conclusion of the instructional videos, participants may take a septic inspection certification exam for gravity fed systems. Those passing the exam become certified with the Department of Public Health to inspect their own gravity fed septic systems every alternate three year period (code requires inspections for this type of system every three years and at least every other time a certified O&M professional must performed the inspection). Sean Hawes, Brigitte Bashaw and Joe Ellingson, Clark County Public

**Table 13: Well & Septic Workshop Agenda**

Time	Topic
15 min	<i>Introduction</i> – How My Management Practices Impact Clean Water
10 min	<i>Septic O&amp;M Overview</i> – Program goals / Reason for Program
45 min	<i>Septic System Inspection Videos</i> – Different types of septic systems / How septic systems work / Maintaining your septic system / Causes of septic failure / How to make simple inspection tools / How to measure scum and sludge
30 min	<i>Reporting / Q&amp;A</i> - How to know when a system needs to be pumped / How to report your inspection to C.C. Public Health Components of a septic system / Homeowners O&M Exam
50 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>Evaluations</i>

Health, co-presented the workshops, with Sean covering septic systems and Joe and Bridgette alternating presenting about well safety and maintenance at the second and third workshops.

Participants indicated they heard about workshops via local newspapers, word of mouth, Public Health inspection reminders, and other Small Acreage Program events. Nearly a third of participants heard about the program from The Reflector, higher than any other outlet. The Coordinator distributed flyers at all Small Acreage Program workshops and outreach events (Appendix C). One paid advertisement was placed in the Reflector for the September 17 workshop. The Reflector published a full page story on the program following the September 17 workshop which created a waitlist for future workshops.

Attendees complete a written evaluation to provide feedback and indicate increases in attendee knowledge. All workshop respondents indicated they intend to use the information they learned and that the workshop was understandable (Table 14). All but one respondent felt that the septic inspection component was sufficient, that the program was understandable, and that the program answered their questions. One hundred percent of respondents felt the program was worth their time.

**Table 14: Well & Septic Workshop - Evaluations**

	May 20	July 9	Sept 17
	% YES		
Do you intend to use any of this information?	100%	100%	100%
Was the septic inspection component sufficient?	100%	100%	98%
Was this program understandable?	100%	100%	98%
Did the program answer your questions?	96%	100%	100%
Was this program worth your time?	100%	100%	100%
Participants (n)	40	43	60
Evaluations completed	28	31	40
Percent completed evaluations	70%	72%	67%

Participants also rated their knowledge on five topics (1, poor to 5, excellent) before they participated in the workshop and afterwards. The difference represents the relative increase in knowledge by the respondents about the topics presented.

When asked to assess their knowledge, 71% of respondents increased their knowledge at least somewhat about how management practices impact clean water, suggesting that this workshop brings in people who are unfamiliar with non-point source pollution (Table 15). Knowledge increase among respondents was fairly even across workshops on the topic of how to inspect a septic system with between 89% and 94% of respondents increasing at least one level, although 15% increased their knowledge four levels. Across the three workshops, 71% to 90% of respondents gained at least some knowledge about all four topics.

Respondents' comments were consistent with high numerical rankings they assigned:

"Septic class was only 2 hours; big improvement over the longer class 6 years ago."

"I've been through this before. It's good to be brought up to date."

"I knew nothing so I have some knowledge now!"

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

Workshop	Knowledge Area	Before and After Knowledge Change (As percent of respondents)					
		Same	1	2	3	4	N (NR)*
May 20	Knowledge of well & septic maintenance	11%	25%	54%	7%	4%	28 (12)
	Keeping my drinking water healthy	24%	48%	16%	12%	0%	25 (15)
	Protecting my septic system	21%	32%	29%	14%	4%	28 (12)
	How to properly inspect my septic system	11%	18%	29%	25%	18%	28 (12)
	How my management practices impact clean water	22%	26%	48%	4%	0%	27 (13)
July 9	Knowledge of well & septic maintenance	13%	16%	32%	39%	0%	31 (12)
	Keeping my drinking water healthy	13%	26%	35%	26%	0%	23 (20)
	Protecting my septic system	13%	23%	35%	29%	0%	31 (12)
	How to properly inspect my septic system	6%	13%	19%	52%	10%	31 (12)
	How my management practices impact clean water	22%	37%	26%	11%	4%	27 (16)
Sept 17	Knowledge of well & septic maintenance	8%	29%	37%	24%	3%	38 (22)
	Keeping my drinking water healthy	47%	33%	14%	6%	0%	36 (24)
	Protecting my septic system	18%	28%	38%	10%	5%	39 (21)
	How to properly inspect my septic system	8%	18%	29%	26%	18%	38 (22)
	How my management practices impact clean water	38%	18%	31%	8%	5%	39 (21)
Average	Knowledge of well & septic maintenance	10%	24%	40%	24%	2%	97 (46)
	Keeping my drinking water healthy	31%	36%	20%	13%	0%	84 (59)
	Protecting my septic system	17%	28%	35%	17%	3%	98 (45)
	How to properly inspect my septic system	8%	16%	26%	34%	15%	97 (46)
	How my management practices impact clean water	29%	26%	34%	8%	3%	93 (50)

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

### Deliverables

The program completed all three of the planned workshops and exceeded the overall expected attendance by 377%.

### Issues and Recommendations

The Well & Septic workshops bring in many new participants and are an excellent way to introduce people to the Small Acreage Program.

### Task 2c - Best Management Practices Workshops

The program brought in 41 participants to three workshops in 2015. The first workshop, *Rainwater Harvesting for Small Farms*, held on August 18 and 20, attracted 29 participants. The workshop addressed rainwater harvesting for managing stormwater and conserving groundwater, while also covering design considerations for a rainwater harvesting system. Clair Klock, Clackamas SWCD resources conservationist and former ARCSA board member, gave the presentation at the 78<sup>th</sup> Street Heritage Farm.

In order to ensure increased attendance, the Coordinator opened up the September 24 *LOL Pasture Establishment and Renovation* session to the public and 12 people attended. The workshop 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.

The third workshop on October 3, *Weed Management Field Day*, attracted 21 people and covered the IPM approach to weed management, creating a weed management plan, and identifying common weeds. Mike Monfort, Clark County Vegetation Management, presented on the topic at Son Rise Ranch, a local equine facility.

**Evaluation.** Attendees complete a written evaluation to provide feedback and rate the workshops. All workshop respondents from the manure management and pastures workshops indicated they intend to use the information provided and said they learned something new or how to do something differently (Table 16). All but one participant reported intent to use the information provided in the drainage workshop and all but two said they learned something new.

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

Question	Drainage	Manure	Pastures	Average
What overall score would you give this event?	4.0	4.7	4.4	<b>4.3</b>
	<b>% YES</b>			<b>Total</b>
Intend to use any of the info provided?	16 (100%)	6 (100%)	19 (100%)	<b>41</b>
Learn something new or how to do others differently?	16 (100%)	6 (100%)	19 (100%)	<b>41</b>
Participants	29	12	21	<b>62</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.

For the *Rainwater Harvesting for Small Farms* workshop, all respondents learned at least something about components of rainwater collection systems (Table 17). Eighty-one percent of respondents increased their knowledge about how managing runoff impacts water quality.

Evaluations from the September 24 workshop on *Pasture Establishment and Renovation* indicate that all respondents increased their knowledge two levels or more about methods for renovating and reseeding pastures and how grass life cycle impacts pasture management during fall and winter, two central themes of the workshop. Eighty-three percent of respondents increased their knowledge about how pasture management practices impact clean water.

At least 85% of respondents indicated learning something about all four weed management topics, while 50% increased their knowledge by two levels or more. Eighty-five percent of respondents increased their knowledge about how weed management practices impact water quality.

Thirty-eight to 100% of respondents reported increasing their knowledge by two levels or more about all topics in the three workshops, while at least 75% of respondents learned at least something about all topics in the three workshops.

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

**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) *
Rain-water Harvesting	Planning considerations for rainwater collection systems	6%	31%	50%	6%	6%	16 (13)
	Suitable uses for collected rainwater	25%	38%	19%	19%	0%	16 (13)
	System components for rainwater collection systems	0%	50%	38%	6%	6%	16 (13)
	How stormwater management practices impact water quality	19%	31%	38%	6%	6%	16 (13)
Pasture	Methods for renovating/reseeding pastures	0%	0%	33%	33%	33%	6 (6)
	How grass life cycle impacts pasture management practices during fall and winter	0%	0%	33%	50%	17%	6 (6)
	Common grass/legume species for Western WA pastures	0%	17%	17%	50%	17%	6 (6)
	How pasture management practices impact water quality	17%	33%	33%	0%	17%	6 (6)
Weed Mgmt.	Weed identification and lifecycle	15%	35%	40%	10%	0%	20 (1)
	Different control methods for various weeds	10%	40%	30%	20%	0%	20 (1)
	How to implement a weed management plan	15%	35%	35%	10%	5%	20 (1)
	How weed management practices impact water quality	15%	35%	30%	20%	0%	20 (1)

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

+ May not equal 100% due to rounding

#### *Deliverables*

The program completed all three of the proposed BMP workshops.

#### *Issues and Recommendations*

There are none at this time.

### **Task 2d - Outreach Events and Promotional Activities**

**Washington State Horse Expo.** The program did not participate in the Washington State Horse Expo in 2015 due to lack of partnership with Clark County Vegetation Management. In previous years, the program shared a booth with Vegetation Management to help staff the table for the whole event, a requirement to participate.

**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 19 to 21 at the CASEE Center in Brush Prairie.

**Small Acreage Expo.** The program hosted the tenth annual *Small Acreage Expo* at the 78<sup>th</sup> Street Heritage Farm on Saturday, April 11<sup>th</sup> and drew 97 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 E).

Speakers presented on 16 different topics with participants selecting from concurrent classes during each session (Table 18). Several sessions provided participants with hands-on opportunities 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	Solar for Small Farms	Bart Hansen, Clark PUD
		A2	Get the Low Down On Lime	Gordon French, LJC Feeds
		A3	Improving Pastures, Increasing Forage	Gary Fredricks, WSU Cowlitz Extension
		A4	Are Weeds Ruling Your Paradise?	Ron Hendrickson, C.C. Vegetation Mngt.
Session B	10:30 to 11:45	B1	Rain Garden Design for Homeowners	Amber Fox, City of Portland
		B2	Septic Inspection Certification	Brigette Bashaw, C.C. Public Health
		B3	Improving Equine Health	Anne Marie Ray, Ridgefield Equine Clinic
		B4	Hot Topic: Electric Fencing	Gordon French, LJC Feeds
	11:45 to 12:45		Open House, Lunch	
Session C	12:45 to 2:00	C1	Soil Testing & Plant Nutrition	Martha Minnich, Master Gardener
		C2	Rainwater Harvesting for Small Farms	Clair Klock, Clackamas SWCD
		C3	Less Mud, Better Pastures	Doug Fenwick, Clark Conservation District
		C4	Hoof Trimming and Disbudding for Sheep and Goats	Amy Blankenship & Karen Trumbull, Clark County Goat Association
Session D	2:15 to 3:30	D1	Sustainable Parasite Control for Sheep & Goats	Susan Kerr, WSU Extension
		D2	Year Round Food Preservation	Master Food Preservers
		D3	Grow More Food: Season Extension 101	David Knaus, Fresh Earth Gardens
		D4	Tractor Safety	Blair Wolfley, Heritage Farm Manager

Participants received check-in packets of handouts on small acreage property management, a schedule of Expo classes (Appendix E), information on upcoming events, and program promotional materials. Pre-registration was \$15 with walk-in registration at \$25 and both included lunch from a local caterer. The Coordinator arranged for ten organizations and three businesses to set up informational displays or provide informational materials: Vegetation Management, Clark County Clean Water Program, Sunbridge Solar, 4-H, Clark Conservation District, Ridgefield Equine Clinic, Master Composters/Recycler Program, Clark County Farmers Markets, Fresh Earth Gardens, Clark County Foodbank, Master Gardeners, Master Food Preservers, and the Small Acreage Program.

Sixty-six participants submitted evaluations for the event as a whole, a return rate of 69% (Table 19). Once again, offering door prizes in exchange for completing evaluations likely helped elevate this

**Table 19: Overall Event Program Evaluation**

	Average	N (NR)*
What overall score would you give this event?	4.7	67 (30)
<b>Answering yes:</b>		
Did you learn something new as a result of the classes you attended?	100%	66 (31)
Did you learn information that will be useful to make improvements at home?	100%	65 (32)
Do you intend to use this information to change what you do?	100%	66 (31)
Would you recommend this event to neighbors or friends?	100%	65 (32)
<b>Overall Average</b>	100%	
Attendance	97	
Evaluations Completed	66	
Percent Returned Evaluations	69%	

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

return rate. Respondents rated the program overall an average of 4.7 on a scale of one to five, five being the highest. Of those participants that completed an event evaluation, 100% indicated they learned something new, would use information they learned to change what they do at home, and would recommend the program to others.

**Individual Expo Sessions.** Participants were asked to assess their change in knowledge on evaluations for all of the individual sessions as well as whether they would implement the information they learned. Due to the open nature of the sessions, participant counts cannot be accurately made and often the evaluations returned are so few that general interpretations cannot be drawn.

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

**Table 20: Small Acreage Expo Participant Change in Knowledge Levels**

Expo Session	Knowledge Area	Before and After Class Knowledge Change <i>(As percent of respondents)</i>						N (NR)*
		Same	1	2	3	4		
Solar Energy for Small Farms	Considerations for renewable energy projects on your property	14%	25%	32%	18%	11%		28 (12)
	Planning a renewable energy project	4%	30%	30%	30%	7%		27 (13)
	Incentives, grants and resources for renewable energy projects	4%	7%	25%	32%	32%		28 (12)
	Will you use any of the information to change what you do at home?		Yes 69%		No 31%			26 (14)
Get the Lowdown On Lime	Understanding of soil pH and basic soil biology	0%	45%	45%	9%	0%		11 (4)
	Utilizing soil tests to determine fertilizer and lime application times	9%	45%	36%	9%	0%		11 (4)
	Applying lime for soil and pasture health	9%	18%	36%	27%	9%		11 (4)
	Will you use any of the information to change what you do at home?		Yes 100%		No 0%			11 (4)
Improving Pastures, Increasing Forage	Recognizing and preventing over-grazing	0%	29%	29%	14%	29%		7 (14)
	Practices for reducing mud, compaction and weeds in pastures	0%	14%	43%	14%	29%		7 (14)
	Considerations for rotational grazing systems	14%	0%	57%	0%	29%		7 (14)
	Will you use any of the information to change what you do at home?		Yes 86%		No 14%			7 (14)
Are Weeds Ruling Your Paradise?	Properly identifying problem weeds in Clark county	23%	54%	15%	8%	0%		13 (0)
	Properly utilizing pesticides to control weeds	45%	36%	18%	0%	0%		11 (2)
	Other methods of controlling weeds on your property	17%	42%	42%	0%	0%		12 (1)
	Will you use any of the information to change what you do at home?		Yes 92%		No 8%			12 (1)
Rain Garden Design for Homeowners	Benefits and functions of rain gardens	7%	18%	46%	29%	0%		28 (3)
	Planning considerations for designing rain gardens	0%	18%	36%	43%	4%		28 (3)
	Plants for rain gardens	4%	29%	32%	21%	14%		28 (3)
	Will you use any of the information to change what you do at home?		Yes 93%		No 7%			28 (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.

**Table 9: continued**

<b>Septic Inspection Certification</b>	The importance of inspecting your septic inspection	10%	30%	45%	10%	5%	20 (7)
	How to properly inspect your septic system	5%	15%	35%	20%	25%	20 (7)
	How often your septic should be inspected	20%	15%	45%	10%	10%	20 (7)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 89%		<b>No</b> 11%		19 (8)
<b>Improving Equine Health</b>	Health issues that stem from poor management practices	56%	11%	33%	0%	0%	9 (3)
	Ways to improve conditions for horses on small acreage properties	56%	11%	22%	11%	0%	9 (3)
	Preventative health routines for your horses	44%	22%	22%	11%	0%	9 (3)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 100%		<b>No</b> 0%		9 (3)
<b>Hot Topic: Electric Fencing</b>	How an electric fence works	12%	41%	24%	12%	12%	17 (5)
	Key components for an electric fence system	6%	24%	53%	6%	12%	17 (5)
	Planning considerations for electric fence systems	12%	24%	41%	18%	6%	17 (5)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 89%		<b>No</b> 11%		18 (4)
<b>Soil Testing &amp; Plant Nutrition in Vegetable Gardens</b>	How to take a soil sample	4%	24%	40%	32%	0%	25 (5)
	Information soil tests provide	0%	16%	44%	36%	4%	25 (5)
	How to interpret and utilize the soil test results	8%	12%	52%	28%	0%	25 (5)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 88%		<b>No</b> 12%		25 (5)
<b>Rainwater Harvesting for Small Farms</b>	Planning considerations for a rainwater harvesting system	8%	15%	38%	23%	15%	13 (12)
	Components of a rainwater harvesting system	8%	15%	31%	38%	8%	13 (12)
	Using a rainwater harvesting system for irrigation	8%	31%	31%	23%	8%	13 (12)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 80%		<b>No</b> 20%		12 (13)
<b>Less Mud, Better Pastures</b>	Benefits and functions of a heavy use area	17%	17%	33%	17%	17%	6 (8)
	Planning considerations for a heavy use area	17%	17%	33%	17%	17%	6 (8)
	Footing material options for a heavy use area	17%	17%	33%	17%	17%	6 (8)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 100%		<b>No</b> 0%		6 (8)
<b>Hoof Trimming &amp; Disbudding Goats</b>	When to trim hooves and disbud goats	29%	14%	29%	14%	14%	7 (14)
	How to trim hooves and disbud goats safely	29%	14%	29%	14%	14%	7 (14)
	Local resources for people keeping goats & sheep	29%	57%	0%	14%	0%	7 (14)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 71%		<b>No</b> 29%		7 (14)
<b>Sustainable Parasite Control for Sheep &amp; Goats</b>	Signs of parasitism in goats and sheep	0%	30%	40%	30%	0%	10 (10)
	Life cycles of common parasites	10%	20%	30%	40%	0%	10 (10)
	Using an IPM strategy for controlling parasites	0%	10%	60%	20%	10%	10 (10)
	Will you use any of the information to change what you do at home?		<b>Yes</b> 100%		<b>No</b> 0%		10 (10)

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

*Table 9: continued*

Year Round Food Preservation	Various techniques to preserve foods	0%	0%	100%	0%	0%	3 (8)
	Safety considerations when preserving food	0%	67%	33%	0%	0%	3 (8)
	Local resources for food safety and preservation questions	0%	67%	33%	0%	0%	3 (8)
	Will you use any of the information to change what you do at home?		Yes		No		2 (9)
		100%		0%			
Grow More Food: Season Extension	Physical methods for season extension	0%	42%	47%	11%	0%	19 (5)
	Biological season extension techniques	0%	17%	44%	33%	6%	18 (6)
	Brix enhancing biostimulants	0%	35%	41%	18%	6%	17 (7)
	Will you use any of the information to change what you do at home?		Yes		No		19 (5)
		100%		0%			
Tractor Safety	Tractor safety routines and practices	10%	30%	40%	0%	20%	10 (6)
	What not to do with a tractor	0%	40%	40%	10%	10%	10 (6)
	Routine practices to keep your tractor running smoothly	10%	40%	10%	30%	10%	10 (6)
	Will you use any of the information to change what you do at home?		Yes		No		10 (6)
		100%		0%			

\* 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.

Bart Hansen of Clark PUD and Jordan Weiss of Sunbridge Solar teamed up for a presentation on adding renewable energy, primarily solar, to farms and small acreage properties. Respondents indicated learning most about incentives and grants for renewable energy projects, with 64% reporting knowledge increases of three levels or more. Of all the sessions, this topic resulted in the fewest respondents indicating they would change what they do at home, most likely due to the upfront costs of solar, the time it takes to recuperate investment, and the uncertainty of continued incentives.

Gordon French, LJC Feeds owner and soils expert, returned again this year to present about appropriate timing and quantities of applying fertilizers and limes to local pastures. According to the evaluations, participants learned the most about applying lime for soil and pasture health, with 72% of respondents indicating increasing their knowledge two levels or more. All respondents learned something about soil pH and basic soil biology and all respondents said that they would utilize this practice at home. Gordon provides a high quality presentation providing information landowners require to improve pasture health; an important factor in growing good forage, limiting weeds, and creating a natural filtration system for runoff.

Gary Fredricks, WSU Cowlitz County Extension Director, presented to 21 people on pasture management. Among evaluation respondents, at least 72% increased their knowledge by two or more levels on all topics surveyed and 86% said they will use what they learned to refine practices at home.

Ron Hendrickson of Clark County Environmental Services Vegetation Management program presented on controlling noxious, toxic and invasive weeds. Seventy-seven percent of respondents increased their knowledge about identifying problem weeds in Clark County and 92% reported they will change their land management.

Amber Fox, City of Portland Watershed Revegetation Program, and Sunrise O'Mahoney, Executive Director of the Vancouver Watersheds Alliance, provided a lot of practical information for people planning a rain garden. Of respondents, 83% and 67% increased their knowledge two levels or more about planning considerations and suitable rain garden plants, respectively. Ninety-three percent will change their land management.

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Sean Hawes of Clark County Public Health, presented on septic maintenance and inspection. Participants with gravity fed systems could take a test at the end of the workshop to get certified to inspect their own system. The session appeared to clarify how to properly inspect a septic system since 80% of respondents showed knowledge increases of at least two levels on that topic. Septic inspection certification remains popular and the classes provide an excellent opportunity to introduce a broad range of small acreage landowners to the Small Acreage Program.

Anne Marie Ray, Ridgefield Equine Clinic, talked about improving equine health through preventative practices. The Coordinator requested Mrs. Ray to focus on improving land management practices, but survey results suggest she may have focused elsewhere since only 44% of respondents showed knowledge increases about ways to improve conditions for horses on small acreage properties. Apparently, the speaker touched on areas other speakers covered more in depth, resulting in fewer participants reporting increased knowledge. All respondents did indicate they would change what they did at home.

Gordon French instructed a second session on electric fencing, which attracted 22 participants. The session appeared to prepare participants well for using an electric fence system since 71% of respondents increased their knowledge by at least two levels about key components of an electric fencing system and 65% increased their knowledge by two levels or more about planning considerations.

Master Gardener Martha Minnich presented on Soil Testing and Plant Nutrition in Vegetable Gardens. This talk resulted in some of the strongest knowledge increases among Expo respondents. At least 72% increased their knowledge two levels or more for all questions surveyed. Eighty-eight percent of respondents said they would use the information provided to change what they do at home.

Clackamas Conservation District Resource Planner and former ACRSA board member, Clair Klock, helped out with a presentation on Rainwater Harvesting for Small farms which drew 25 participants. At least 62% of respondents reported increasing their knowledge by two levels or more about all topics surveyed and 80% will use the information provided to change what they do at home.

Doug Fenwick, Clark Conservation District, described how to create heavy use areas to protect pastures during winter months. Although only six people completed evaluations, 67% reported increasing knowledge on all topics by two levels or more, including the benefits and functions of a heavy use area. All respondents said they would use what they learned at home.

A session on hoof trimming and disbudding goats, presented by members of the Clark County Goat Association, attracted 21 participants. Evaluation return rates were low for this session (7 out of 21 participants), but respondents did increase their knowledge by two levels or more on the subjects of when and how to trim hooves and disbud goats.

Susan Kerr, WSU Extension Livestock Specialist, presented on sustainable parasite control for sheep and goats, a class used as a pre-requisite for a separate workshop immediately after the Expo on doing fecal egg counts. At least 70% of respondents increased their knowledge by at least two levels on all topics surveyed and all said they would use the information provided to change what they do at home.

The WSU Clark County Extension Master Food Preservers talked about year-round food preservation to 11 participants, the lowest of any session at the Expo. No conclusions can be drawn from the two evaluations returned.



David Knaus, Fresh Earth Gardens farm consulting, presented on season extension techniques, including physical structures and biological practices. This was the only session in which all participants indicated an increase in knowledge on all topics surveyed and that they would use the information to change what they do at home.

Heritage Farm Manager, Blair Wolfley, instructed a session on tractor safety. Sixty percent of respondents increased their knowledge two levels or more about tractor safety routines and practices, and what not to do with a tractor. All respondents said they would use what they learned to change what they do at home.

Overall, evaluation return rates for all sessions went down from 83% last year to 67% in 2015 due to a lack of helpers and volunteers to remind attendees to turn in completed surveys after each class. The Coordinator hired help, but the temporary hire canceled the week of the event, which left the event shorthanded. The Coordinator did recruit some volunteers, but most could not carry heavy loads, resulting in the majority of the logistical duties falling to the Coordinator.

**Clark County Fair.** The Coordinator conducted outreach to local groups at the Clark County Fair, including 4H, livestock associations, and Granges. The Coordinator also secured a booth for the Small Acreage Program's static display, featuring a miniature model farm property in addition to program factsheets and other resources. Twenty-nine people asked to be added to the program listserv, three more than the previous year.

**Harvest Celebration.** The 17<sup>th</sup> annual Clark County Harvest Celebration took place on Saturday September 19 from 10 am to 3 pm. The event showcased eleven farms, including two properties who earned "Doing Our Part for Clean Water" signs. Allen Creek Farm was a new addition to this year's Harvest Celebration. Excellent publicity and weather contributed to attendance a third higher than last year's (Table 21). Some of the farms did not have volunteers for all or part of the day to count visitors so attendance numbers are likely under reported. Every farm displayed a poster highlighting its features and each of the two clean water signage farms displayed an additional poster highlighting the BMP's they have implemented on their properties.

**Table 21: 2015 Harvest Celebration Attendance**

Farm	Visitors
Allen Creek Farm+	120
Compass Rose Alpacas*	27
White Oak Alpacas	80
Yacolt Mt. Farm	96
Heisen House Vineyards	18
Bi-Zi Farms	168
Botany Bay Farm	221
Half Moon Farm	134
Velvet Acres Gardens	41
Conway Family Farm*	41
Linda's Dahlias	92
	<b>1,038</b>

*\* Farms with clean water signage; +Some farm's numbers were underreported due to volunteers leaving early or poor counting process.*

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

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releases to the *Columbian*, the *Oregonian*, the *Reflector*, and the *Post Record* (Appendix E). The *Columbian* featured the event as a cover story for their Weekend section which helped raise awareness about the tours. The program also created a Google Map showing the participating farms and a description about them.

**Veterinarian and Farrier Outreach.** The Coordinator sent flyers about program flyers and announcements to local veterinarians throughout 2015. The Coordinator also developed a contact list of local farriers.

#### *Deliverables*

All the deliverables were met.

#### *Issues and Recommendations*

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.

Recruiting suitable farms can be challenging since some farmers cite lack of time, wanting to take a break from the tours, and uncertainty over the direct benefit derived from the event.

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

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

The program completed two of the three planned tours of model properties. Tours demonstrated sound management practices to minimize surface water pollution and improve overall property management to 31 participants. The tours provided a casual, peer-to-peer learning environment which promotes acceptance and understanding of information about BMP implementation. The Coordinator handed out copies of the Clean Water Self-Assessment guide to all tour participants to help guide the tour and provide more information on the various BMPs discussed on the tour. Participants were also encouraged to do the assessment on their own property.

The Coordinator promoted tours through flyers at program events, the listserv, other WSU program listservs, and press releases to local newspapers (Appendix F). The Coordinator implemented a fee for the first time and participants paid \$10 to attend a tour. The cost did not seem to decrease registration.

The first property tour took place in the second quarter and was hosted by Columbia Gorge Horse Stables in Washougal on May 13, attracting 9 participants. The tour highlighted weed management, mud management, pasture management, sacrifice area design, wildlife habitat, and stormwater management.

The second tour, hosted by Burkhart's Highland Farm in Battle Ground on June 25, attracted 22 participants. Tour goers learned about manure composting, pasture management, controlling mud, septic maintenance, wildlife habitat, and stormwater management.

The third property tour was scheduled to take place on September 12 at Circle R Ranch in Battle Ground, but the landowners cancelled the afternoon before the event due to family issues. Thirteen people were registered for the event.

**Evaluation.** All tour respondents indicated that they learned something new or how to do something differently and that they intend to use the information provided (Table 22). Twenty-six of 31 participants returned evaluations in the two tours. Respondents' gave overall scores for each tour ranging from an average of 4.6 for the May 13 tour to 4.5 for the June 25 tour.

**Table 22: Tour Evaluations**

	May 13	June 25	Average
What overall score would you give this tour?	4.6	4.5	
	% YES		Total
Do you intend to use any of this information?	7 (100%)	19 (100%)	26 (100%)
Did you learn something new or how to do other differently?	7 (100%)	18 (100%)	25 (100%)
Participants	9	22	31

Participants also reported 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. Among the four tours, between 57% and 68% of respondents reported increasing knowledge about how management practices impact water quality (Table 23).

**Table 23: Small Acreage Tours - Change in Knowledge Levels**

Date	Knowledge Area	Before and After Tour Knowledge Change (As percent of respondents*)					
		Same	1	2	3	4	N (NR)*
May 13	Knowledge of pasture management	43%	29%	14%	14%	0%	7 (2)
	Knowledge of Manure Management	43%	43%	14%	0%	0%	7 (2)
	Ways to manage runoff and control mud	43%	14%	43%	0%	0%	7 (2)
	How management practices impact water quality	43%	0%	57%	0%	0%	7 (2)
June 25	Knowledge of pasture management	6%	39%	44%	11%	0%	18 (4)
	Knowledge of Manure Management	5%	42%	32%	16%	5%	19 (3)
	Ways to manage runoff and control mud	16%	47%	26%	5%	5%	19 (3)
	How management practices impact water quality	32%	32%	21%	16%	0%	19 (3)

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

At the Columbia Gorge Horse Stables tour, 28% of respondents indicated at least two levels of knowledge increase about pasture management, while 43% of respondents showed a knowledge increase of two levels on the topic of ways to manage runoff and control mud.

At the Burkhart's Highland Farm tour 53% of respondents said they increased their knowledge about manure management by two levels or more. At least 84% of respondents reported an increase in knowledge about pasture management and ways to manage runoff and control mud.

Some comments from respondents include:

"[The most informative part of the tour was about] runoff management."

"[In the next year I plan to implement] three bin composting."

"[The most informative part of the tour was about] manure management."



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### *Deliverables*

Two tours were completed.

### *Issues and Recommendations*

The third tour to complete the deliverable was cancelled by the landowners at the last minute. Three are scheduled in 2016.

## **Task 3b - Landowner Recognition**

The Coordinator highlights the signage recognition program at all property tours, classes, and workshops. The program also solicits landowners interested in participating in the program at the Expo and all other outreach events, through Clark Conservation District referrals, and emails to the small acreage listserv and former LOL graduates.

The Coordinator conducted six site visits in 2015 three of which qualified for signage: a 4.3 acre property in East Vancouver, a 2.5 acre property in Battle Ground, and an 8.9 acre property in Battle Ground. Each landowner received signs and the program posted photos on the Small Acreage Facebook page congratulating them on their achievement.

### *Deliverables*

The Coordinator assessed six properties and completed the deliverable.

### *Issues and Recommendations*

There are none at this time.

## **Task 4 – Small Farms Outreach**

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

The program organized its eighth *Agricultural Entrepreneurship and Business Planning* class series since 2008. Participants learn about business planning, marketing methods and opportunities, and how to develop or expand a small farm business. They produce a completed business plan by the last class and present their business plan to the class on the final evening. Farmers and various small business area specialists serve as guest speakers, bringing valuable practical experience to the class. The ten-week class series began January 14 and ended March 18.

There were some changes in the schedule from 2014, as well as an updated Cultivating Success curriculum. The Coordinator substituted the class on *Research Methods* with a class on *Email and Social Media Marketing*, instructed by Albert Kaufman. Colleen Donovan, WSU Farmers Market Program Coordinator replaced Jordan Boldt for the class on *Direct Marketing Options*, and Matt LeRoux of Cornell Extension taught a class on *Market Analysis* which discussed his Market Channel Assessment Tool (MCAT). New speakers included Donna Graham and Kim Wilcox of Wilcox and Company, to replace Barb Funk who moved out of the area, Jeff Peterson of FSA and Ricky Adams of NW Farm Credit service to replace Andrea Krahmer of NW Farm Credit Service on the topic of *Financial Risk*

Management, and Bob Cosgrove of Country Financial to replace Steve Kidder on the topic of Insurance.(Table 24).

**Table 24: Agricultural Entrepreneurship Course Schedule**

Date	Topic	Instructor(s) & Guest Speakers
Jan 14	Introduction - Business Planning Basics <i>Vision, goals &amp; mission statement</i>	Instructor: Eric Lambert, WSU Clark County Extension
Jan 21	Marketing: <i>Email &amp; Social Media Marketing</i> Product & Industry Description: <i>Business Structures</i>	Instructors: Albert Kaufman, Albertideation Matt Bisturis, Schwabe, Williamson and Wyatt
Jan 28	Market Analysis: <i>Direct Marketing;</i> <i>Marketing a CSA</i>	Instructor: Colleen Donovan, WSU Small Farms Program Guest farmer: Anne Lawrence, Storytree Farm
Feb 4	Management and Operations: <i>Taxes, Licenses &amp; Payroll;</i> Marketing: <i>Direct Marketing to Retail, Restaurants &amp; Institutions</i>	Instructors: Donna Graham & Kim Wilcox, Wilcox & Company Guest farmer: Jason Karnezis & Amber Baker, Red Truck Farm
Feb 11	Marketing: <i>The 5 P's; Managing &amp; Marketing the Small Family Farm</i>	Instructor: Erin Harwood, Clark College Guest Speaker: Lorrie Conway, Conway Family Farms
Feb 18	Management and Operations: <i>Insurance</i> Marketing: <i>Diversifying Market Channels</i>	Instructor: Bob Cosgrove, Country Financial Guest famer: Rachel Reister, Reister Farms
Feb 25	Financing: <i>Financial Risk Management</i> Market Analysis: <i>MCAT</i>	Instructors: Jeff Peterson, FSA & Ricky Adams, NW Farm Credit Service Matt LeRoux, Cornell Cooperative Extension
Mar 4	Management and Operations: <i>Regulations</i> Marketing: <i>Value Added Products</i>	Instructors: Roger Beekman & Ken Knittle, WSDA Food Safety Guest famer: Gary Gouger, Gouger Cellars
Mar 11	Financing: <i>Record Keeping &amp; Basic Budgets</i>	Instructor: Lorrie Conway, Northwest Accounting
Mar 18	Graduation Celebration; Present finished business plans	Instructors: Students

Participants paid \$100 per farm or family for registration and class materials (course syllabus, schedule, complete notebook materials and links to additional resources) were all hosted online to a blogspot (<http://agentpreneurshipwsuccext.blogspot.com/>). Before registering, the Coordinator spoke with participants about their intentions and what they hope to get out of the class in an effort to make sure the course and candidates were suitable and understood class expectations. Once accepted, candidates filled out a pre-survey using Qualtrics and then received an email link to register on brownpapertickets.com.

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 (Appendix H). Paid advertisements were also placed in the Reflector and the Camas-Washougal Post Record.

While thirty-seven people registered, 24 participants with 17 properties (two rent) met the graduation requirement of seven classes (Table 25), with 86% attending seven or more of the classes. Six of the original registrants never attended a class while three withdrew due to family issues, time conflicts, and issues with work. The remaining four participants attended fewer classes than planned due to various constraints.

**Table 25: Attendance**

Classes Attended	# Attendees	As % of Attendees
10	4	14%
9	7	25%
8	8	28%
7	5	18%
6	3	11%
5	1	4%
4	0	0%
3	0	0%
2	0	0%
1	0	0%

**Table 26: Agricultural Entrepreneurship Geographic Distribution**

	Location	08	09	10	11	12	13	14	15	City Total	Area Total
North	Amboy				2					2	41
	La Center	4		1	2	1	2	1	2	13	
	Ridgefield	5	3		2	2	2		2	16	
	Woodland	1							2	3	
	Yacolt	3	1		3					7	
Central	Brush Prairie	1		3		2	3		5	14	34
	Battle Ground	1	7	2	3	1	1	1	4	20	
South	Camas	1	4	1		3	1			10	77
	Vancouver	6	3	11	9	9	2	7	3	50	
	Washougal	2	2	1	2	3	1	4	2	17	
Out of County	Woodland (Cowlitz)	2					4	1		7	7
	SW WA	1		1	7		3	6	2	20	20
	OR			2		5		2	2	11	11
Totals		27	20	22	30	26	19	22	24	190	190

Six (25%) graduates currently run small farm businesses on their property, including eggs, honey, vegetables, and chickens. Thirty-eight percent of the graduates came from central Clark County (higher than previous classes), 25% from north Clark County, and 21% from south Clark County (Table 26). Eleven percent of graduates came from other Washington and Oregon counties including Lewis, Multnomah, and Washington with two from Oregon who own land in Clark County.

Overall, participants completing evaluations rated classes well, with no average score below 4.0 on a scale of one to five, with five being highest (Table 27). Lorrie Conway's class on finances and record keeping received the highest overall score with 4.9. Almost all respondents indicated they learned something new, and also plan to use the information.

**Table 27: Agricultural Entrepreneurship Class Evaluations**

Class Session	Ranking	N (NR)	Use any of this info? (% Yes)	N (NR)	Learn something new? (% Yes)	N (NR)
Business Planning Basics	4.2	25 (5)	100%	25 (5)	100%	21 (9)
Product & Industry Description/Marketing	4.6	24 (4)	100%	24 (4)	100%	24 (4)
Market Analysis	4.2	16 (9)	100%	18 (7)	100%	18 (7)
Taxes and Payroll	4.3	15 (7)	100%	17 (5)	100%	17 (5)
5 P's of Marketing	4.6	15 (7)	100%	15 (7)	100%	14 (8)
Insurance	4.6	13 (13)	100%	14 (12)	100%	14 (12)
Financial Risk Management/Market Analysis	4.5	11 (5)	100%	13 (3)	100%	11 (4)
Regulations	4.5	13 (7)	100%	14 (6)	100%	14 (6)
Finances & Record Keeping	4.3	10 (9)	100%	11 (8)	100%	9 (10)

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

"Every class- no matter the discussion - presented excellent info!"

"The process of forming a plan was enlightening."

"In crunching numbers I learned more about what I don't want to do. Thankfully, this will save us costly mistakes."

"[I liked most] the combination of local farmers and professionals."

For each topic, participants assessed their knowledge before and after the class. The number of evaluations submitted by participants fluctuates each week due to some classes running late and some participants who do not complete an evaluation. 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.

At least 55% of respondents increased their knowledge by at least one level on all topics during the course (Table 28). Respondents seemed to gain the most in-depth knowledge in sessions on risk management (insurance, financial risk management and regulations) with at least 39% of respondents reporting two levels or more of knowledge gain about topics in those presentations. In the second session on market analysis, all respondents indicated an increase in knowledge about assessing marketing channels and developing a marketing strategy. The presentation of regulations was also highly effective with at least 79% of respondents increasing knowledge about the four topics surveyed.

**Table 28: 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>	Components of a business plan	33%	33%	17%	13%	4%	24 (6)
	How to develop your business' mission statement	28%	32%	32%	8%	0%	25 (5)
	How to develop goals and objectives	24%	36%	36%	4%	0%	25 (5)
	Taking a farm resource inventory	22%	39%	22%	13%	4%	23 (7)
<b>Product &amp; Industry Description / Marketing</b>	Social media channels for marketing	38%	8%	42%	13%	0%	24 (6)
	Social media & email marketing best practices	35%	17%	35%	9%	4%	23 (7)
	Benefits and drawbacks of various business structures	23%	23%	36%	18%	0%	22 (8)
	Determining the structure appropriate for your farm business	26%	22%	43%	9%	0%	23 (7)
<b>Market Analysis</b>	Identifying product/service attributes	19%	25%	44%	13%	0%	16 (9)
	Researching consumer trends, target markets and competition	35%	18%	41%	0%	6%	17 (8)
	Strategies for maximizing your sales	25%	31%	31%	13%	0%	16 (9)
	How to use market research to develop a successful direct marketing plan	27%	33%	27%	13%	0%	15 (10)
<b>Taxes and Payroll</b>	Registering your business w/appropriate State & Fed Agencies	12%	41%	24%	12%	12%	17 (5)
	Taxes farm business are required to pay	12%	47%	18%	12%	12%	17 (5)
	Getting appropriate licenses & permits for your farm	35%	18%	35%	0%	12%	17 (5)
	Marketing to restaurants, retail & institutions	0%	12%	59%	12%	18%	17 (5)
<b>The 5 P's</b>	Determining a pricing strategy for your product/services	0%	47%	47%	7%	0%	15 (7)
	Determining what type of packaging works best for your product/service	7%	60%	27%	7%	0%	15 (7)
	Different methods of promoting your product/service	7%	60%	33%	0%	0%	15 (7)
	Placement options for your product/service	7%	67%	20%	7%	0%	15 (7)
<b>Insurance</b>	Insurance considerations for small farms	7%	14%	36%	43%	0%	14 (12)
	Insurance options to manage risk for small farm and value added businesses	8%	15%	23%	38%	15%	13 (13)
	What to look for when choosing an insurance agent	21%	21%	36%	21%	0%	14 (12)
	Developing multiple marketing channels	0%	55%	27%	18%	0%	11 (15)

*Table 28 Continued*

Class Session	Knowledge Area	Before and After Knowledge Change (As percent of respondents <sup>+</sup> )					
		Same	1	2	3	4	N (NR)
<b>Financial Risk Management / Market Analysis</b>	Lending programs for beginning farmers	8%	15%	31%	38%	8%	13 (3)
	The 5 C's of credit	15%	46%	23%	8%	8%	13 (3)
	How to assess which marketing channels are best for your farm	0%	54%	31%	8%	8%	13 (3)
	How to develop a marketing strategy for your farm	0%	54%	23%	23%	0%	13 (3)
<b>Regulations</b>	How to find regulations that apply to your specific farm business	0%	21%	57%	14%	7%	14 (6)
	Licensing requirements	0%	21%	64%	7%	7%	14 (6)
	Labeling requirements	7%	29%	57%	7%	0%	14 (6)
	Marketing a value-added product	21%	29%	50%	0%	0%	14 (6)
<b>Finances &amp; Record keeping</b>	Different accounting system options & advantages & disadvantages of each	27%	18%	45%	9%	0%	11 (8)
	Creating a basic budget	27%	27%	45%	0%	0%	11 (8)
	How to complete a breakeven or sensitivity analysis	33%	17%	50%	0%	0%	6 (13)
	How to get info together for your accountant	45%	27%	9%	18%	0%	11 (8)

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

Participants also rated the entire class series well, rating the series a 4.8 on a scale of one to five, five being highest (Table 29). All respondents also indicated the course series answered most of their questions and felt that it provided information useful for their farm business. Most respondents felt the series was just about right in length with some expressing that it was a little too long.

**Table 29: Overall Agricultural Entrepreneurship Evaluation Summary**

	Average	N(NR)
What overall score would you give this series?	4.8	16 (7)
How much will you use this information to help shape your agricultural business?	4.8	16 (7)
	% Yes	
Did this course answer most of your questions?	100%	15 (8)
Did you learn useful/helpful information?	100%	16 (7)

#### *Deliverables*

The Agricultural Entrepreneurship and Business Planning course graduated 24 people and completed this task.

#### *Issues and Recommendations*

With the new Cultivating Success curriculum, the Coordinator required additional time to update the course website that was not foreseen.

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

On February 21, the Coordinator and Director facilitated the 2015 *Women in Agriculture Conference*. The event attracted 21 participants to learn about marketing with an emphasis on messaging. Participants wrote down their take away messages and completed an action plan after each presentation. The Coordinator then led discussions about what the participants had gained from the conference and the actions they planned to implement as a result.

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

The Coordinator held one small farm workshop, *Fecal Egg Count for Sheep and Goats*, on April 11 following the Small Acreage Expo. The workshop attracted 12 participants, and was presented by Dr. Susan Kerr. The workshop focused on helping sheep and goat producers identify parasites in their animals which will inform best IPM approaches.

The Coordinator is promoting the workshop through flyers at program events, the listserv, and Facebook (Appendix J).

#### *Deliverables*

The Women in Ag Conference and on small farms workshop was completed.

#### *Issues and Recommendations*

There are none at this time.

### **Task 4c - Small Farm Tour**

The Coordinator was not able to organize a small farm marketing or sustainable small farming practices workshop due to time constraints early in the year and lack of farmers willing to participate later in the year. Farms were contacted for a tour in first and third quarters, but farmers also expressed time constraints and family obligations as conflicts.

#### *Deliverables*

A small farm tour was not completed.

#### *Issues and Recommendations*

The Coordinator was not able to complete a small farm tour due to time constraints and inability to find a suitable farm willing to participate.

## **Task 5 - Impact Evaluation and Project Reporting**

### **Task 5a - Evaluation**

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

**Longitudinal Impacts.** The Coordinator prepared follow-up surveys to all BMP workshop (7), well and septic workshop (7), and small acreage tour (8) participants from 2013 to 2014. The surveys will be sent out in January 2016.



## LOL Impact Evaluation

**Overview.** The Director developed a survey in 2004 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 2013 have been surveyed after they had at least one summer to implement BMPs on their properties. After initial mailings, staff followed-up with non-responders by email and/or telephone. Since 2006, descriptive statistics have been analyzed, but a statistical analysis of all years is in progress.

**Response.** As outlined in Table 30, 260 LOL participants returned the survey for an overall response rate of 75%. The class of Fall 2010 returned the least (68%) while the class of 2006 returned the most (91%).

**Analysis.** LOL class series graduated 428 people through 2015 owning at least 3,188 ac. LOL graduated 30 people (22 households) owning 159.7 acres in 2015. Through 2013, with a 77% response from 372 graduates (Table 24), 262 graduate households (of 301 HH) implemented 609 BMPs on at least 2,083 acres affecting at least 1,063 livestock (excluding poultry). Graduates shared what they learned with over 2,876 other people.

**Table 24: 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%	5%	23	6%
Spring 04	0	8	19%	2%	26	9	35	81%	9%	43	12%
Fall 04	0	4	12%	1%	25	5	30	88%	8%	34	9%
Spring 05	1	4	15%	1%	19	3	22	81%	6%	27	7%
Fall 05	1	2	7%	1%	20	4	24	89%	6%	27	7%
Fall 06	0	3	9%	1%	25	5	30	91%	8%	33	9%
Fall 07	0	5	16%	1%	21	6	27	84%	7%	32	9%
Fall 08	1	7	23%	2%	18	5	23	74%	6%	31	8%
fall 09	0	10	43%	3%	12	1	13	57%	3%	23	6%
Fall 10	0	17	68%	5%	7	1	8	32%	2%	25	7%
Fall 11	0	6	32%	2%	12	1	13	68%	3%	19	5%
Fall 12	0	11	39%	3%	11	5	16	57%	4%	28	8%
Fall 13	0	13	48%	3%	11	3	14	52%	4%	27	7%
<b>Total</b>	<b>3</b>	<b>81</b>		<b>23%</b>	<b>201</b>	<b>43</b>	<b>260</b>		<b>74%</b>	<b>372</b>	<b>100%</b>

Over 46% of households tested their soil, 55% of respondent households with septic systems inspected their system, and 54% of households with wells tested them. Eighty-one percent thought the class was a good use of their Clean Water fee.

**Information Requests.** The Coordinator answered 273 telephone and walk-in requests for information and assistance during the year, 19 more than the previous year. Requests generally involve upcoming classes or workshops, small farm business ventures, septic systems, and soil testing. The Coordinator provides individuals relevant publications along with invitations to upcoming classes and workshops of interest.

## Task 4b - Reporting

### Deliverables

This 2015 annual report comprises the last report due.

### Issues and Recommendations

As program popularity and publicity grows, the Coordinator spends more time on information requests. In an effort to gauge how much time is spend on this task, the Coordinator began tracking time spent on requests in the fourth quarter.

**Table 25: Summary Table for 2015**

Program Elements			2015 Goals	Qtr 1	Qtr 2	Qtr 3	Qtr 4	YTD	% 2015 Goals
<b>Best Management Practices (Task 1)</b>	Information Resources	Materials added to reference files	ongoing	1	1	1	1	4	
		Post links and resources to website	ongoing	1	1	1	1	4	
		Track web site hits		1	1	1	1	4	
		Track web site document downloads		1	1	1	1	4	
	Publications	Stewardship Article	1				1	1	100%
		Video clip, factsheet, or PowerPoint	1					0	0%
<b>Public Outreach and Education (Task 2)</b>	LOL Class Series	LOL Blog/Website	1		1			1	100%
		LOL series	1				1	1	100%
		Graduation	20				30	30	150%
	Well & Septic Workshops	Well & septic workshops	3		1	2		3	100%
		Attendance	30		40	103		143	477%
	BMP Workshops	BMP Workshops	3			2	1	3	100%
		Attendance	30			41	21	62	207%
		Revise & maintain speaker's list	ongoing	1	1	1	1	4	
	Outreach Events & Promotional Activities	Small Acreage Exposition	1		1			1	100%
		Attendance	75		97			97	129%
		Washington State Horse Expo	1					0	0%
		Clark Conservation District Plant Sale	1	1				1	100%
		Clark County Fair	1			1		1	100%
		WSU Harvest Celebration	1			1		1	100%
		Veterinairian and Farrier Outreach	ongoing	1	1	1	1		
		Additional Events as identified						0	
<b>Model Properties (Task 3)</b>	Property Tours	Conduct tours	3		2			2	67%
		Attendance	30		31			31	103%
	Sign Recognition	Assess properties for signage program	6			1	5	6	100%
<b>Small Farms (Task 4)</b>	Agricultural Entrepreneurship	10 week course	1	1				1	100%
		Graduates	20	24				24	120%
	Small Farm Workshops	Women in Ag Conference	1	1				1	100%
		Attendance	10	21				21	210%
		Small farm workshop	1		1			1	100%
		Attendance	10		12			12	120%
		Small farm tour	1					0	0%
		Attendance	10					0	0%
<b>Impact Evaluation and Project Reporting (Task 5)</b>	Evaluation	Workshop/tour evaluations	13		4	4	1	9	69%
		Requests for assistance		51	82	106	34	273	
		Impact evaluation of graduates	24				23	23	96%
	Reporting	Quarterly Reports	3	1	1	1		3	100%
		Annual Report	1				1	1	100%



# Appendix A: BMP Article

The Reflector

October 7, 2015 – p.C1

[http://www.thereflector.com/horse\\_corral/article\\_b65f21a6-6c88-11e5-a8b5-ff9e6a1f6941.html](http://www.thereflector.com/horse_corral/article_b65f21a6-6c88-11e5-a8b5-ff9e6a1f6941.html)

OCTOBER 7, 2015

The Reflector C



**WHEN THE FIRST** rains of fall arrive and pastures turn green again, WSU Extension Small Acreage Program Coordinator Eric Lambert reminds area property owners that it's easy to forget that grass is undergoing a critical re-growth stage.

## Want healthy pastures? Follow 'three-inch rule'

**Small Acreage Program offers workshops, resources on pasture establishment and renovation**

**KELLY MOYER**  
staff reporter

For horse lovers in Clark County, obtaining a property with a decent sized pasture isn't usually a problem – but maintaining that pasture might not be so simple.

"When the first rains of fall arrive and pastures turn green again, it's easy to forget that grass is undergoing a critical re-growth stage," says Eric Lambert, program coordinator for the Small Acreage Program at Washington State University's Clark County Extension. "For this reason, we recommend using the 'three-inch rule' – in short, you leave the first three inches of grass, do not mow or graze the grass below three inches of stubble."

Using the three-inch rule, Lambert says, will help pastures regenerate and promote sustainable grazing practices.

"Following the three-inch rule, especially important in the fall, allows better root regeneration as the grass sends out new tillers or growing points," Lambert says. "These two functions support each other since roots take up water and nutrients from the soil to nourish new tillers, which will feed roots in the next growing season."

Having a strong root system, Lambert adds, gives your pasture grass a better chance of "out-competing weeds."

For local pasture owners interested in building healthier, more vibrant pastures and promoting sustainable grazing practices, the WSU Extension's Small Acreage Program holds workshops throughout the year. Most recently, in late September, the program brought pasture expert Gene Pirelli of the Oregon State University's Extension program, to Clark County to discuss pasture establishment and renovation.

"We learned about how to improve our pastures through grazing practices, over-seeding, no-till direct seeding and crop rotation," Lambert wrote in a follow-up email to the workshop participants. "We also got some hands-on time looking at some different grass and legume varieties that are commonly used for pastures."

"Fall also offers the opportunity to overseed overgrazed pastures," Lambert says. "Grass germination requires good seed-soil contact, which requires a roller to press the seed gently into the soil, so more than one-quarter of an inch. Overseeding by the second week in October usually works best and the area treated should not be grazed in the winter or spring. Grass can take a year to fully establish."

Interested in learning more about pasture management and restoration tactics? The Small Acreage Program at WSU Clark County Extension, in conjunction with the Clark County Environmental Services' Clean Water Program, offers a host of workshops and resources to help landowners manage their small-acreage pastures. The program also has hay and soil probes they lend

to pasture managers, and soils test kits for landowners who want to determine their pasture's pH levels.

"Testing soil provides the best way to determine nutrient requirements," Lambert says. "Commonly, our local soils exhibit low pH levels and fall presents a good time to apply lime. Conversely, nitrogen added in the fall can interrupt the plant's dormant stage, make it more susceptible to frost damage and cause runoff pollution in waterways."

Lambert says the following resources are also useful for landowners who want to learn more about sustainable pasture management techniques:

Pasture Management: Understanding plant and root growth in the fall – [www.ampseed.com/pdfs/FallPastureManagement.pdf](http://www.ampseed.com/pdfs/FallPastureManagement.pdf)

Pasture and hayland renovation for western Washington and Oregon – <http://crs.cahe.wsu.edu/CEPublications/eb1870/eb1870.pdf>

Fertilizer Guide: Pastures in western Washington and Oregon – <http://library.oregonstate.edu/xmlui/bitstream/handle/1957/2036/fg03-e.pdf>

Early spring forage production for western Oregon pastures – <http://library.oregonstate.edu/xmlui/bitstream/handle/1957/2036/lem8852-e.pdf>

For more information about the Small Acreage Program and its various workshops and resources, visit <http://ext100.wsu.edu/clark/naturalresources/smallacreageprogram/>. To contact Lambert, call (360) 397-6060, ext. 5729, or email him at [eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu).

Some key takeaways from the pasture establishment and renovation class included the following recommendations from Pirelli:

- 1 Animal farmers are grass farmers. Pirelli told participants that if they love their animals, they should also love their grass by not letting the animals out too early on wet soil and by bringing the animals in before they can overgraze on the pasture grasses.
- 2 Renovating a pasture can be costly, Pirelli says, so pasture owners should try to practice good pasture management tactics first. Completely renovating a pasture can cost \$550 per acre, if you have your own equipment, and \$1,000 or more per acre without equipment. "So it's really worthwhile to manage (the pasture) well," Lambert says.
- 3 There are two cardinal rules for pasture and grazing management, Pirelli told the class. First, remember the three-inch rule and know that the first three inches of grass belong to the plant. Second, Pirelli says, "keep heavy animals off saturated pastures."
- 4 The fall months are the most critical time for pasture management. Why? Because the grass is putting out roots and shoots, Lambert says, adding that people should "seed before the second week of October."
- 5 When it is time to reseed (that would be the second week of October, Pirelli and Lambert say), make sure you have some sort of animal to "hoof it in," or a roller to come through and pack down the seeds. Pirelli told class participants that sheep work best for "hoofing" the seeds into the soil.



**ABOVE: OFFICIALS OF THE WSU Extension's Small Acreage Program** recommend the "three-inch rule" for pasture management. The rule is to leave the first three inches of grass. That will help pastures regenerate and promote sustainable grazing practices.

**LEFT: THE "THREE-INCH RULE"** allows better root regeneration as the grass sends out new tillers or growing points, says Eric Lambert, program coordinator for the Small Acreage Program at Washington State University's Clark County Extension.





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For more information about the Small Acreage Program and its various workshops and resources,

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## Appendix B: Living on the Land Class Series

### PUBLICITY & PROMOTION

PRESS RELEASE

LOL FLYER

OTHER PUBLICITY

PAID ADVERTISEMENT

**For Immediate Release**

July 27, 2015

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

### **Living On the Land Class Registration Opens**

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

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

Eric Lambert, Program Coordinator, says “There are many new small acreage landowners in Clark County and a lot of folks who just want to improve their current property. The Small Acreage Program provides them with simple, practical ideas on how to best manage their property for themselves, their animals, and the environment.” Doug Stienbarger, Director of WSU Clark County Extension, adds “This course covers important issues landowners need to address to achieve their goals. *Living On the Land* teaches management practices that help landowners save time and money, improve property value, and protect natural resources.” “This educational program provides the best available in our county for small acreage residents to learn stewardship practices, and I highly recommend it.” says Don Benton, Director of Environmental Services, a sponsor of the Small Acreage Program.

**“Living On the Land: Stewardship for Small Acreages”**  
Thursdays, September 3 to November 19, 2015 - 6:00 to 9:00 PM

**Registration is \$35 per farm or family and class size is limited; deadline for registration is August 28.** Please call or email Eric Lambert at 360-397-6060 ext. 5729 or [eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu) to register, or for more information about WSU Clark County Extension’s Small Acreage Program.

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



# GOT ACREAGE?

**Do you want to...**

Enhance your soils  
& pasture?

Reduce Mud?

Improve your  
property aesthetics  
& value?

Properly store &  
compost manure?

Improve your  
animals' health?

Learn to maintain &  
inspect your septic  
system?

Protect your  
drinking water?

Control weeds?

Develop a plan to  
reach your goals?

Learn about  
business  
opportunities?

And be a steward  
of your land???

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

**Living**



**the Land**  
*Stewardship for  
Small Acreages*

Fall 2015 classes meet Thursday evenings  
September 3 - November 19  
6:00 - 9:00 p.m.

\$35 per household - PRE-REGISTRATION REQUIRED  
CLASS SIZE LIMITED TO FIRST 30 PARTICIPANTS

Call (360) 397-6060 x 5729 or email  
[eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov)  
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 Camas Washougal Post Record  
August 4, 2015 – p. A7

### Registration opens for small acreage stewardship program

The deadline  
is Aug. 28

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

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

Participants learn about topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management.

Topics are presented by local and regional experts and include pasture management, controlling weeds, wildlife, soil health, well and septic maintenance, and many more.

Graduates of this training come away with knowl-



CONTRIBUTED PHOTO

The 12-week course, Living On the Land ñ Stewardship for Small Acreages, gives participants the opportunity to learn about topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management.

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Registration, \$35 per farm or family, can be completed by contacting Lambert at 397-6060, Ext. 5729 or [eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu). The deadline is Aug. 28.



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OTHER PUBLICITY

Clark County FYI  
August 26, 2015

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Living on the Land classes

<h1>GOT ACREAGE?</h1>	
<p><b>Do you want to...</b></p> <p>Enhance your soils &amp; pasture?</p> <p>Reduce mud?</p> <p>Improve your property aesthetics and value?</p> <p>Properly store and compost manure?</p> <p>Improve your animals' health?</p> <p>Learn to maintain and inspect your septic system?</p> <p>Protect your drinking water?</p> <p>Control weeds?</p> <p>Develop a plan to reach your goals?</p> <p>Learn about business opportunities?</p> <p>Be a steward of your land?</p>	<p>If you answered YES! to any of these questions, Living On the Land is for you!</p> <p><b>Living</b> <b>n</b> <b>the Land</b> <i>Stewardship for Small Acreages</i></p> <p>Fall 2015 classes meet Thursday evenings Sept. 3 - Nov. 19 6 - 9 p.m.</p> <p>\$35 per household - PRE-REGISTRATION REQUIRED CLASS SIZE LIMITED TO FIRST 30 PARTICIPANTS</p> <p>Call (360) 397-6060 ext. 5729 or email <a href="mailto:eric.lambert@clark.wa.gov">eric.lambert@clark.wa.gov</a> to register or for more information.</p> <p>Sponsored by WSU Clark County Extension, Small Acreage Program Clark County Environmental Services, Clean Water Program</p> <p><small>WSU Extension programs are available to all without discrimination. Report evidence of noncompliance to your local WSU Extension office.</small></p>

## OTHER PUBLICITY

The Reflector  
August 12, 2015 – p.C7

# Living On the Land class registration open



Photo courtesy of WSU Clark County Extension

**WSU CLARK COUNTY EXTENSION** will offer a 12-week class series, *Living On the Land – Stewardship for Small Acreages*, designed to help the many new small acreage landowners in Clark County.

### *Deadline for registration is Friday, August 28*

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

Sponsored by WSU Clark County Extension and Clark County Environmental Ser-

vices Clean Water Program, this course prepares participants with the knowledge necessary to develop a sustainable property management plan.

The class will take place on Thursdays, Sept. 3 through Nov. 19, 6-9 p.m.

*Living On the Land* participants learn about important topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management. Topics are



Photo courtesy of WSU Clark County Extension

**PARTICIPANTS IN THE** *Living On the Land* 12-week class series will learn about important topics pertaining to soil, water, plants and animals that guide sound stewardship decisions for small acreage management.

presented by local and regional experts and include pasture management, controlling weeds, wildlife, soil health, well and septic maintenance, and many more.

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

Eric Lambert, program coordinator, said "There are many new small acreage landowners in Clark County and a lot of folks who just want to improve their current property. The Small Acreage Program provides them with simple, practical ideas on how to best manage their property for themselves, their animals, and the environment."

Doug Stienbarger, director of WSU Clark County Extension, added "This course covers im-

portant issues landowners need to address to achieve their goals. *Living On the Land* teaches management practices that help landowners save time and money, improve property value, and protect natural resources."

The class is also recommended by Don Benton, director Clark County Environmental Services, a sponsor of the Small Acreage Program.

"This educational program provides the best available in our county for small acreage residents to learn stewardship practices, and I highly recommend it."

Benton said.

Registration is \$35 per farm or family and class size is limited; deadline for registration is Fri., Aug. 28. Call or email Eric Lambert at (360) 397-6060, ext. 5729 or [eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu) to register, or for more information about WSU Clark County Extension's Small Acreage Program.

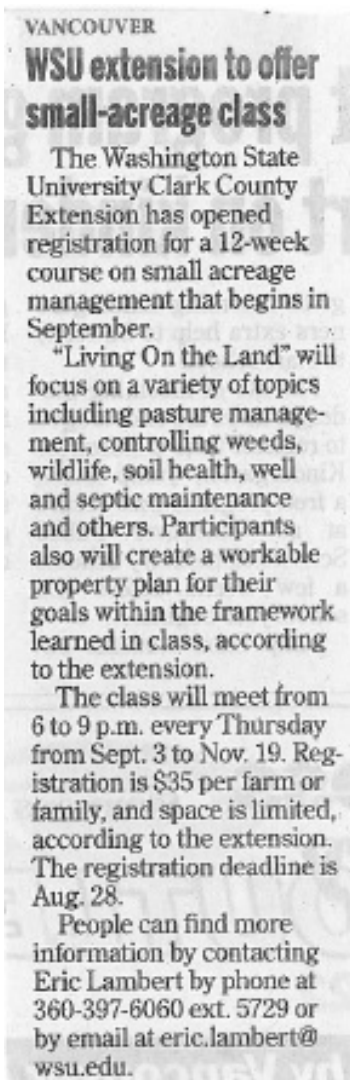
WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County Extension at (360) 397-6060 ext. 0 at least two weeks prior to the event.



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## OTHER PUBLICITY

The Columbian  
July 30, 2015 – p.C2



PAID ADVERTISEMENT

The Reflector  
August 5, 2015

## Got Acreage?

Do You Want to.....

Make your property look better?

Reduce chore time?

Improve your animals' well-being?

Enhance your soils and pasture?

Protect your drinking water and streams?

Reduce mud?

Improve storage & composting of manure?

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

**Fall 2015 classes meet Thursday nights  
September 3 - November 19  
6:00 - 9:00 p.m.**

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

Call (360) 397-6060 x5729  
or [eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu)  
to register or for info.



Sponsored by:

WSU 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 Clark County Extension at 360-397-6060 ext. 0 prior to the event.

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## Appendix C: Well & Septic Maintenance Workshops

### PUBLICITY AND PROMOTION

SAMPLE PRESS RELEASE

FLYER

OTHER PUBLICITY

PAID ADVERTISEMENT

**For Immediate Release**

August 14, 2015

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

**New, Larger Venue for Popular Septic Inspection Workshop**

Thursday, September 17, 2015  
6:00 to 9:00 PM  
Prairie High Auditorium  
11311 NE 119<sup>th</sup> St. - Vancouver, WA

Vancouver, WA – Clark County residents on owner-occupied, gravity fed septic systems can save money on inspections and learn about protecting two valuable property assets by attending a popular well and septic maintenance workshop put on by WSU Clark County Extension's Small Acreage Program. Current regulations protecting clean water, public health, and ensuring septic systems operate properly require homeowners with gravity fed septic systems to have their tank inspected every three years. Every other inspection can be performed by the homeowner if they attend the workshop.

Participants will learn how to perform an inspection, as well as receive important information about septic systems that prevent costly repairs resulting from mismanagement or neglect. Workshop participants will also learn valuable tips about protecting their well water supply and making sure their well is safe from contamination. This includes well sampling recommendations and how to shock chlorinate their system if coliform bacteria results come back positive.

Co-sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program, Clark County Public Health experts will present and certify participants to do their own home septic inspections, answer questions, and provide advice to homeowners.

Eric Lambert, Small Acreage Program Coordinator says, "We're moving to a much larger venue in response to the high demand for this workshop which saves homeowners money, protects clean water, and benefits public health." Don Benton, Department of Environmental Services Director says, "This workshop is one of many programs the Small Acreage Program offers that assist landowners while helping our environment."

**Registration is \$15 per household and class size is limited**, registration and details at <http://www.brownpapertickets.com/event/2113225> 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 two weeks prior to the event.*

# 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

Thursday, September 17, 2015

6:00 to 9:00 pm

Prairie High Auditorium

11311 NE 119th St

Vancouver, WA

\$15 per household

Class size limited. To register visit:

[www.brownpapertickets.com/event/2113225](http://www.brownpapertickets.com/event/2113225)

or call 360-397-6060, extension 5729

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

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



**Clark County**

WASHINGTON STATE UNIVERSITY  
EXTENSION



Environmental Services  
Clean Water Program



**Public Health**  
Prevent. Promote. Protect.

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



The Columbian  
June 25, 2015 - p. D3

The Camas Washougal Post Record  
May 5, 2015 - p. A8

## Events

### Burkhardt's Highland Farm Tour:

6:30 to 8:30 p.m. today in Brush Prairie. The 8-acre farm features horses and organically grown vegetables and fruits. In 2013, it was recognized by WSU Clark County Extension as a model property for demonstrating a commitment to stewardship by implementing practices to control runoff, reduce mud, manage manure, and maintain healthy pastures. Tour participants will hear tips on keeping horses and improving organic-management practices. Registration required. \$10. ◀ Directions and registration: 360-397-6060, ext. 5729, or [www.brownpapertickets.com/event/1592214](http://www.brownpapertickets.com/event/1592214)

### Annual Farm Field Day and Tour:

10 a.m. to 2 p.m. June 27 at Botany Bay Farm, 13513 N.E. 132nd Ave., Brush Prairie. Guided tours, at 10:30 a.m. and 1 p.m., will show how the farm's pigs, rabbits, cows, meat chickens and laying hens are raised. Pasture-raised, GMO-free, and soy-free meat available for purchase. There will be live music, workshops, a petting zoo, and shaded picnic tables where participants may eat lunch brought from home. Free. ◀ 360-524-9005 or [www.botanybayfarm.com](http://www.botanybayfarm.com)

### Homeowners Saving Money with Septic Inspection

Workshop: 6 to 9 p.m. July 9 at CASEE, 11104 N.E. 149th St., Brush Prairie. Clark County residents on owner-occupied, gravity-fed septic systems can learn how to protect their well and septic system. Regulations require homeowners on gravity-fed septic systems to have their tank inspected

every three years. Every other inspection may be performed by the homeowner if they attend the workshop and become certified by Clark County Public Health. Registration required and class size is limited. \$15 per household. ◀ 360-397-6060, ext. 5729, or [www.brownpapertickets.com/event/1592181](http://www.brownpapertickets.com/event/1592181)

## Septic inspection workshop is May 20

Clark County residents on owner-occupied, gravity fed septic systems can save money by attending a popular well and septic maintenance workshop coordinated by WSU Clark County Extension's Small Acreage Program. Participants can become certified to inspect their own septic system.

Current regulations require homeowners on gravity fed septic systems to have their tank inspected every three years.

The septic inspection workshop will be held Wednesday, May 20, from 6 to 9 p.m., at the CASEE Center, 11104 N.E. 149th St., in Brush Prairie.

By participating in the workshop and taking a short exam, homeowners can perform their next septic inspection and file it with Clark County Public Health rather than hiring a certified professional to do it.

Registration, \$15 per household, can be completed at [www.brownpapertickets.com/event/1381244](http://www.brownpapertickets.com/event/1381244) or by calling call 397-6060, Ext. 5729.



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OTHER PUBLICITY

Clark County FYI  
May 6, 2015  
August 26, 2015  
September 9, 2015

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**Don't lose precious dollars down the drain!**

Date: Thursday, September 17, 2015 - 6:00pm  
Add this event to your Outlook calendar (iCal)  
Add this event to your Google calendar

**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 and protect your drinking water.

**Well and Septic Inspection and  
Maintenance for Homeowners**

Thursday, Sept. 17, 2015  
6 to 9 p.m.  
Prairie High School Auditorium  
11311 N.E. 119th St.  
Vancouver  
\$15 per household

**Class size limited. To register visit:**

**[www.brownpapertickets.com/event/2113225](http://www.brownpapertickets.com/event/2113225)**

**or call 360-397-6060, extension 5729**

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

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



**Clark County**  
WASHINGTON STATE UNIVERSITY  
EXTENSION



Environmental Services  
Clean Water Program



Public Health

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

The Reflector  
June 24, 2015 - p. B4

## Homeowners saving money with Septic Inspection Workshop

*Area residents can learn how to perform their own inspections*

BRUSH PRAIRIE – Clark County residents on owner-occupied, gravity fed septic systems can save money on in-

spections and learn about protecting two valuable property assets by attending a popular well and septic maintenance workshop put on by WSU Clark County Extension's Small Acreage Program.

Current regulations in place to protect clean water, public health, and ensure septic systems are operating properly require homeowners on gravity fed septic systems to have their tank inspected every three years. Every other inspection can be performed by the homeowner if they attend the workshop.

Participants will learn how to perform an inspection, and receive important information about their septic system that can prevent costly repercussions that result from mismanagement or

neglect. Workshop participants will also learn valuable tips about how to protect their well water supply, including well sampling recommendations, making sure their well is safe from contamination and how to shock chlorinate their system if coliform bacteria results come back positive.

Co-sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program, this workshop will be presented by experts from Clark County Public Health who will certify participants to do their own home septic inspections, answer questions, and provide advice to homeowners.

The workshop is scheduled for Thu., July 9, from 6-9 p.m. at the CASEE Center, located at 11104 NE 149th St., Brush Prairie.

Eric Lambert, Small Acreage Program Coordinator says, "People love this workshop because it provides knowledge that save them money, protect clean water, and benefit public health."

Registration is \$15 per household and class size is limited, registration and details can be found at <http://www.brownpapertickets.com/event/1592181> or by calling (360) 397-6060, ext. 5729.

The Reflector  
June 24, 2015 - p. B4



IMPROPERLY MAINTAINED SEPTIC systems can spawn huge problems requiring lengthy cleanup and costly repairs.

Photo courtesy of Clark County Public Health

WSU Program  
helps Clark County  
landowners take  
greater control of  
their property

JC CORTEZ  
Staff reporter

**BRUSH PRAIRIE** — As federal laws and local crackdowns have reduced large-scale sources of water pollution, focus has gradually shifted to broader, smaller-scale pollution sources that have a big cumulative footprint.

"Before the Clean Water Act in the 70s, you had a lot of point-source pollution," Eric Lambert, Small Acreage Program Coordinator at Washington State University's Clark County Extension office, said. "You could point to something and say... there's that factory or there's that municipal waste plant over there polluting the water."

Lambert addressed a auditorium full of curious Clark County landowners at Prairie High School during a workshop to certify individuals to inspect their gravity-fed home septic systems in September.

The WSU Extension's Small Acreage Program helps local landowners improve several aspects of their property. Four well and septic workshops are held every year, usually beginning in the spring and ending in early fall. Other programs include workshops on beekeeping, raising beef, pasture maintenance, and several more.

There are nearly a million home-based septic systems across the state. When properly maintained, they protect against illness and pollution by keeping waste contained, but malfunctioning septic systems are a serious issue that have contaminated ground water, forced the closure of fisheries and shellfish harvests and sickened people through contamination.

"Today, non point-source pollution is actually our leading cause of water pollution and some sources put that as high as 65 percent of water pollution occurring today," Lambert said. "What that says to me is we are all kind of part of the problem, but, we can all be a part of the solution, too. That's the good news."

Clark County is one of few counties in the state which allows property owners protect their property, health and drinking water," said Chuck Harman, Public Health program manager. "Properly maintaining septic systems and wells helps ensure they will run effectively and provide long-

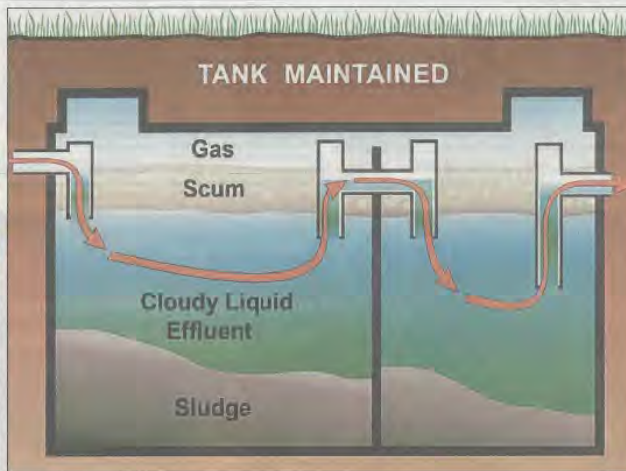


Photo courtesy of Clark County Public Health

A PROPERLY MAINTAINED SEPTIC system prevents the spread of illness and pollution by reducing the potential for contamination; regular inspections are necessary to keep the systems operating long term.

term service."

Landowners from all over the county scribbled notes about runoff, ground water contamination, and proper maintenance of septic systems. As a benefit to the homeowners, routine inspections catch small problems before they become major contamination issues which often require thousands of dollars in costly repairs and clean-up.

"Definitely, the more people that are informed about their septic systems, and the impacts their septic systems can have if not properly operating, will benefit Clark County as a whole," said Brigitte Bashaw, lead environmental health specialist with Clark County Public Health.

Clark County resident David Becker took the class out of curiosity and a desire to fully understand how his home infrastructure operates.

"I think, for me, I just wanted to understand how the system

worked," Becker said. "I've never had a septic system before... I just wanted to figure out how all the moving parts worked."

Becker said he studied his home electrical system, his wood stove, and his well, the septic system was the last piece of equipment he had yet to master.

"I know it goes down the hole," Becker said. "What happens after that?"

James Darr, who also attended the class, added economics to the list of benefits the workshop brings.

"It took it so I can know if a problem comes up that I can fix before it costs me several thousand dollars," he said.

Septic safety extends beyond contamination. Earlier this year, one Washington child suffered severe injuries and mother died after incident involving poorly secured septic tank lids.

"In addition to effective sewage treatment, it is crucial there

are no safety problems with septic systems," said Jerrol Davis, director of the Washington Office of Environmental Health and Safety. "Property owners and industry professionals must be vigilant to ensure they're not only working properly, but are always safe and secure."

Bashaw stressed the need for rural landowners and renters to make sure their wells are inspected and their water quality is tested regularly. Even if one's own septic system is properly maintained, she said, contamination can occur from other sources.

"A lot of people don't think about their water as long as it's coming out of their faucet," Bashaw said. "A lot of water in the county has never been monitored; the water quality has never been tested."

There is no regulation which mandates groundwater testing, she said, so many people never schedule it - and that can cause big problems. Wells should be

tested annually for bacterial load and every three years for nitrate contamination.

"And we do have pockets of arsenic in the county so if the water has never been tested for arsenic, that really does need to be done," Bashaw said. "These contaminants, you can't taste them, you can't smell them, and there's no visual indicator that they're in the water so you have to test for them to know they are there."

Rural landowners interested in the Small Acreage Program or other WSU Extension services can find more on the WSU Clark County Extension website at [ext100.wsu.edu/Clark](http://ext100.wsu.edu/Clark).

"When you see folks practicing these stewardship principles it's really a win-win," Lambert said. "It's great for the animals, their property is looking good and increasing in value, and they are also protecting water quality and protecting and improving their natural resources."

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The Reflector

October 14, 2015 - p. D1

[http://www.thereflector.com/home\\_scene/article\\_74212a7e-72b8-11e5-ba61-a3561b4e8e16.html](http://www.thereflector.com/home_scene/article_74212a7e-72b8-11e5-ba61-a3561b4e8e16.html)

## Self-inspected Septic Systems Empower Locals

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"Today, non point-source pollution is actually our leading cause of water pollution and some sources put that as high as 65 percent of water pollution occurring today," Lambert said. "What that says to me is we are all kind of part of the problem; but, we can all be a part of the solution, too. That's the good news."

Clark County is one of few counties in the state which allows individuals to inspect their own systems. Only gravity-fed systems are eligible and homeowners are only allowed to conduct every-other inspection, so professionals still take a periodic look at the systems just in case.

"The training helps home and property owners protect their property, health and drinking water," said Chuck Harman, Public Health program manager. "Properly maintaining septic systems and wells helps ensure they will run effectively and provide long-term service."

Landowners from all over the county scribbled notes about runoff, ground water contamination, and proper maintenance of septic systems. As a benefit to the homeowners, routine inspections catch small problems before they become major contamination issues which often require thousands of dollars in costly repairs and clean-up.

"Definitely, the more people that are informed about their septic systems, and the impacts their septic systems can have if not properly operating, will benefit Clark County as a whole," said Brigitte Bashaw, lead environmental health specialist with Clark County Public Health.

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OTHER PUBLICITY

The Reflector  
September 2, 2015

**WELL AND SEPTIC  
HOMEOWNERS, DO  
YOU WANT TO.....**

**Save money?**

**Get certified to inspect  
your own gravity-fed  
septic system?**

**Protect your well  
water?**

**Learn maintenance  
tips to protect your  
investments?**

**Learn about how your  
well and septic systems  
operate?**



**WASHINGTON STATE  
UNIVERSITY  
EXTENSION**

## Well & Septic Inspection Certification & Maintenance for Homeowners

**Thursday, September 17**

**6:00 - 9:00 p.m.**

**Prairie High Auditorium**

**PRE-REGISTRATION REQUIRED AT**

**[www.brownpapertickets.com/event/2113225](http://www.brownpapertickets.com/event/2113225)**

**\$15 PER HOUSEHOLD**

**CLASS SIZE LIMITED**

**For details contact**

**[eric.lambert@wsu.edu](mailto:eric.lambert@wsu.edu) or**

**(360) 397-6060 x 5729**



**Sponsored by:**

**WSU Clark County Extension**

**Clark County Environmental Services, Clean Water Program**

**Clark County Public Health**

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.



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## Appendix D: BMP Workshops

SAMPLE PRESS RELEASE

WORKSHOP FLYER

SAMPLE PAID AD

OTHER PUBLICITY

**For Immediate Release**

July 8, 2015

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)

**Rainwater Harvesting Workshop Offers Solutions for Drought**

Vancouver, WA – In the midst of a severe drought year, water conservation practices are on the forefront of many people’s mind. A two-part workshop, Rainwater Harvesting for Small Farms, offered by WSU Extension’s Small Acreage Program will address important considerations for farmers and small acreage landowners looking to utilize the water that falls from the sky. The workshop, which will take place on August 18 and 20 at the 78<sup>th</sup> Street Heritage Farm, will focus on planning, designing, and safely using rainwater harvesting systems with enough volume to supplement common farm uses during our dry summers.

Rainwater catchment is typically thought of in terms of how the water can be put to beneficial use, but it’s also a great way to control runoff that can contribute to mud issues and flooding during our rainy season. Between home and outbuilding roofs, small acreages properties can easily generate thousands of gallons of water per month during the winter. With a rainwater harvesting system in place this water can be released at optimal times to stabilize stormwater flows, or saved for beneficial uses such as irrigation, animals, or farm chores.

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 participants’ questions at the workshop. A separate two-day workshop put on by ARCSA (American Rainwater Catchment Systems Association) for rainwater catchment professionals will follow on August 21 and 22 at the 78<sup>th</sup> Street Heritage Farm. Details for can be found at [www.arcsa.org](http://www.arcsa.org).

Eric Lambert, Program Coordinator, says, “This workshop will be a great introduction for folks looking to design their own rainwater harvesting system, whether they’re looking to control runoff, have another water source or both.”

**“Rainwater Harvesting for Small Farms”**

Part 1: Tuesday, August 18  
Part 2: Thursday, August 20  
6:30 PM to 8:30 PM  
78<sup>th</sup> Street Heritage Farm  
1919 NE 78<sup>th</sup> Street  
Vancouver, WA 98665

**Registration is \$15 (includes both parts), and class size is limited. Registration and details at [www.brownpapertickets.com/event/1811388](http://www.brownpapertickets.com/event/1811388)**

Call 360-397-6060 ext. 5729 or email [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov) for more information about 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.*

# Rainwater Harvesting for Small Farms

**This two-part workshop will cover:**

**Part 1:** Planning considerations and local and state regulations for rainwater harvesting systems

**Part 2:** Essential components and safe uses for rainwater harvesting systems

\*ARCSA will hold a separate indepth Rainwater Catchment for Accreditted Professional workshop on 8/21 & 8/22  
Registration and details at [www.arcsa.org](http://www.arcsa.org)



Part 1: Tuesday, August 18

Part 2: Thursday, August 20

6:30 to 8:30 pm

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

**\$15 includes parts 1 & 2 - class size limited. Registration and details at: [www.brownpapertickets.com/event/1811388](http://www.brownpapertickets.com/event/1811388)**

*Sponsored by the Small Acreage Program*

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



**Clark County**  
WASHINGTON STATE UNIVERSITY  
EXTENSION



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

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OTHER PUBLICITY

The Camas Washougal Post Record  
August 4, 2015  
p. A5

**Rainwater harvesting workshop begins Aug. 18**

A two-part workshop about rainwater harvesting for small farms will be held next month.

The Aug. 18 and 20 workshop will cover topics including planning considerations and local and

state regulations for rainwater harvesting systems, and essential components and safe uses for rainwater harvesting systems.

The workshop will be held from 6:30 to 8:30 p.m., at the 78th Street Heritage

Farm, 1919 N.E. 78th St., in Vancouver.

Cost is \$15 per person.

To register, visit [www.brownpapertickets.com/event/1811388](http://www.brownpapertickets.com/event/1811388).

The Camas Washougal Post Record  
July 14, 2015  
p. A2

**Learn how to harvest rainwater**

A two-part workshop about rainwater harvesting for small farms will be held next month.

The Aug. 18 and 20 workshop will cover topics including planning considerations and local and state regulations for rainwater harvesting systems, and essential components

and safe uses for rainwater harvesting systems.

The workshop will be held from 6:30 to 8:30 p.m., at the 78th Street Heritage Farm, 1919 N.E. 78th St., in Vancouver.

Cost is \$15 per person.

To register, visit [www.brownpapertickets.com/event/1811388](http://www.brownpapertickets.com/event/1811388).

## OTHER PUBLICITY

The Reflector  
July 29, 2015  
p. C11

# Rainwater Harvesting Workshop offers solutions for drought

*Water conservation practices on the forefront of many people's mind*

In the midst of a severe drought year, water conservation practices are on the forefront of many people's mind.

A two-part workshop, Rainwater Harvesting for Small Farms, offered by WSU Clark County Extension's Small Acreage Program will address important considerations for farmers and small acreage landowners looking to utilize the water that falls from

the sky. The workshop, which will take place on Aug. 18 and 20, at the 78th Street Heritage Farm, will focus on planning, designing, and safely using rainwater harvesting systems with enough volume to supplement common farm uses during our dry summers.

Rainwater catchment is typically thought of in terms of how the water can be put to beneficial use, but it's also a great way to control runoff that can contribute to mud issues and flooding during our rainy season. Between home and outbuilding roofs, small acreages properties can easily generate thousands of gallons of water per month during the winter. With a rainwater harvesting system in place this water can be released at optimal times to sta-

bilize stormwater flows, or saved for beneficial uses such as irrigation, animals, or farm chores.

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 participants' questions at the workshop. A separate two-day workshop put on by ARCSEA (American Rainwater Catchment Systems Association) for rainwater catchment professionals will follow on Aug. 21 and 22 at the 78th Street Heritage Farm. Details for can be found at [www.arcsea.org](http://www.arcsea.org).

Eric Lambert, program coordinator, says, "This workshop

will be a great introduction for folks looking to design their own rainwater harvesting system, whether they're looking to control runoff, have another water source or both."

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.

### AT A GLANCE

## Rainwater Harvesting for Small Farms

**PART 1:** Tue., Aug. 18

**PART 2:** Thu., Aug. 20

**TIME:** 6:30-8:30 p.m.

**LOCATION:** 78th Street Heritage Farm, 1919 NE 78th Street, Vancouver

**REGISTRATION:** \$15 (includes both parts), and class size is limited. Registration and details at [www.brownpapertickets.com/event/1811388](http://www.brownpapertickets.com/event/1811388)

**CONTACT:** Call (360) 397-6060, ext. 5729, or email [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov) for more information about WSU Clark County Extension's Small Acreage Program.



Photo courtesy of WSU Extension

**A RAINWATER HARVESTING WORKSHOP** will be offered by WSU Clark County Extension's Small Acreage Program to address important considerations for farmers and small acreage landowners looking to utilize water that falls from the sky.



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OTHER PUBLICITY

Camas Washougal Post Record  
September 22, 2015 p.B2

**Pasture  
Establishment  
and Renovation  
workshop**

The class will be held Thursday, Sept. 24, from 6 to 9 p.m., at the Clark County Public Works Operations Center, 4700 N.E. 78th St., Building B1, in Vancouver.

Attendees will learn techniques and practices to renovate and establish pastures to keep them greener, healthier and more productive.

To register for the WSU Extension Clark County workshop, visit [www.brownpapertickets.com/event/2112291](http://www.brownpapertickets.com/event/2112291), or call 397-6060. Ext. 5729.



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## OTHER PUBLICITY

Clark County FYI  
September 2, 2015  
September 9, 2015  
September 23, 2015  
September 28, 2015

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### Pasture establishment and renovation workshop Sept. 24

Date: Thursday, September 24, 2015 - 6:00pm

Add this event to your Outlook calendar (iCal)

Add this event to your Google calendar

# Pasture Establishment & Renovation

Healthy pastures for happy animals!

#### This workshop will cover:

- ◇ Methods, strategies and equipment for renovating and improving pastures.
- ◇ Reseeding techniques and practices.
- ◇ Pros and cons of various grass varieties.
- ◇ Grazing practices that will improve forage and pasture health.



Thursday, Sept. 24  
6 p.m. to 9 p.m.  
Clark County Public Works  
4700 NE 78th St., B1  
Vancouver

**\$10/person, class size limited. Pre-registration required at:**  
**[www.brownpapertickets.com/event/2112291](http://www.brownpapertickets.com/event/2112291)**

*Sponsored by the Small Acreage Program  
A collaboration of WSU Clark County Extension and the Clark County Clean Water Program.*



Clark County  
Washington State University  
EXTENSION



Environmental Services  
Clean Water Program

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

Camas Washougal Post Record  
September 22, 2015 p.B2

# Officials support weed management

**Workshop for landowners will be held Oct. 3**

The sunny yellow flowers of tansy ragwort are misleading. This plant is actually a invasive, toxic weed, and is listed as one of the most problematic by Clark County officials.

When eaten by cattle and horses, tansy ragwort can be poisonous.

"Stock does not reject or avoid it in hay or silage, and its poisonous alkaloids are unaffected by drying," according to information from the Clark County Environmental Services Vegetation Management Program. "Honey from tansy ragwort also contains the alkaloids. The highest risk is after the plants have been cut or when mixed in with hay, because the plants are not as bitter, but just a toxic."

Tansy ragwort can be found on roadsides, in pastures, fields and cleared forested areas. A single large plant may produce 150,000 seeds, which can lie dormant in the soil for as long as 15 years.

The Vegetation Management Program urges citizens to report tansy ragwort infestations, and control noxious weeds on their property.

The best ways to control tansy ragwort on small

backyard sites is by digging and hand-pulling the weeds.

Larger areas can be controlled using soil amendments and cover crops, as well as herbicides.

The WSU Extension's Small Acreage Program and Clark County Vegetation Management are hosting a Weed Management Field Day, to teach farmers and small acreage landowners the best strategies for managing problem weeds on their properties.

The event will be held Saturday, Oct. 3, at Sun Rise Ranch in Vancouver.

"Controlling weeds without a plan can be very time and resource intensive, but this workshop will help folks make sure they're taking the most efficient and effective approach," said Eric Lambert, Small Acreage Program coordinator.

Participants will learn about identifying weeds, including tansy ragwort and thistle, options for control, and developing a weed management plan which includes mechanical, cultural, biological and chemical control methods.

Sun Rise Ranch, a non-profit equine facility focused on positive youth development, will host the field day.

Clark County Vegetation Management will lead a field walk to identify com-



CONTRIBUTED PHOTO

Tansy ragwort is a tap rooted biennial and sometimes a perennial herb growing up to 4 feet tall. It produces flower heads that are flat topped clusters that have a yellow daisy-like appearance and bloom from June to August. It is considered an invasive, toxic weed.

mon weeds and discuss how a suitable weed management plan could be created for the ranch.

Staff from WSU Clark County Extension will also provide information, handouts, and answer questions.

Managing weeds effectively can increase productivity, improve animal health, prevent the degradation of sensitive riparian areas, and help maintain good neighbor relationships.

A weed management plan provides an effective road map to guide decision making, track progress, and put management priorities in perspective.

"The Small Acreage Program brings together some

## WEED MANAGEMENT FIELD DAY

The workshop will be held Saturday, Oct. 3, from 9:30 a.m. to noon, at Sun Rise Ranch, 24003 N.E. 44th St., Vancouver

Registration, \$10, per person, can be completed at [www.brownpapertickets.com/event/2253079](http://www.brownpapertickets.com/event/2253079).

great partners to help landowners make their land healthier and more productive," said Don Benton, Environmental Services director.



## OTHER PUBLICITY

Camas Washougal Post Record  
September 22, 2015 p.B2

### WSU Extension Field Day helps landowners control weeds

*Participants will learn about identifying weeds, options for control, and developing a weed management plan Sat., Oct. 3*

WSU Extension's Small Acreage Program and Clark County Vegetation Management invite landowners to a Weed Management Field Day to teach farmers and small acreage landowners the best strategies for managing problem weeds on their property.

Participants will learn about identifying weeds, options for control, and developing a weed management plan which includes mechanical, cultural, biological, and chemical control methods.

Son Rise Ranch, a nonprofit equine facility focused on positive youth development, will host the field day. Clark County Vegetation Management will lead a field walk to identify common weeds and discuss how a suitable weed management plan could be created for the ranch. Staff from WSU Clark County Extension will also provide information, handouts, and answer questions.

Managing weeds effectively can increase productivity, improve animal health, prevent the degradation of sensitive riparian areas, and help maintain good neighbor relationships. A weed management plan provides an effective roadmap to guide decision making, track progress, and to put management priorities in perspective.

Eric Lambert, program coordinator, said, "Controlling weeds without a plan can be very time and resource intensive, but this workshop will help folks make sure they're taking the most efficient and effective approach."

Don Benton, Environmental Services director, added, "The Small Acreage Program brings together some great partners to help landowners make their land healthier and more productive."

The Small Acreage Program is co-sponsored by Washington State University Clark County Extension and Clark County Environmental Services Clean Water Program. Call 360-397-6060 ext. 5729 or email [eric.lambert@clark.wa.gov](mailto:eric.lambert@clark.wa.gov) for more information.



Photo courtesy of WSU Extension Small Acreage Program

**MANAGING WEEDS** effectively can increase productivity, improve animal health, prevent the degradation of sensitive riparian areas, and help maintain good neighbor relationships.

#### AT A GLANCE

### Weed Management Field Day

Sat., Oct. 3, 9:30 a.m.-noon

Son Rise Ranch, 24003 NE 44th St, Vancouver

Registration is \$10, pre-registration required.

Registration and details at [www.brownpapertickets.com/event/2253079](http://www.brownpapertickets.com/event/2253079)

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## Appendix E: Outreach and Promotional Activities

### SMALL ACREAGE EXPO

PROMOTIONAL FLYER

EXPO PROGRAM

HANDOUT PROGRAM

PRESS RELEASE SAMPLE

PAID AD SAMPLE

OTHER PUBLICITY

### HARVEST CELEBRATION

HARVEST CELEBRATION FLYER

PRESS RELEASE

OTHER PUBLICITY

PAID ADVERTISEMENT

# Got Acreage?

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

Hands On Demos,  
Door Prizes,  
Workshops, and  
Much More!



**PRE-REGISTER  
AND SAVE!**



### Topics Include:

- Sheep and goat management
- Septic inspection certification
- What to do about weeds
- Rainwater harvesting
- Electric fencing
- Tractor safety
- And much more!!!

Saturday April 11, 2015  
8:30 am to 3:30 pm  
78th Street Heritage Farm  
Vancouver, WA



Full program and registration  
[smallacreageexpo.brownpapertickets.com](http://smallacreageexpo.brownpapertickets.com)  
Registration and lunch - \$15

**Jointly sponsored by:**



**Clark County**  
WASHINGTON STATE UNIVERSITY  
EXTENSION



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 Program

Saturday April 11, 2015  
8:30 am to 3:30 pm

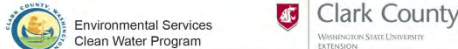
10<sup>th</sup> Annual

# Clark County Small Acreage Expo

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



Jointly Sponsored By:




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

**Solar Energy for Small Farms**  
*Bart Hansen, Clark PUD*  
Ever thought about adding renewable energy on your property? This session will cover important considerations, planning strategies and options for solar projects. Renewable energy specialists from Clark PUD and Sunbridge Solar will also discuss tax credits, grants and other incentives.

**A1**

**Get the Lowdown on Lime**  
*Gordon French, LIC Feeds*  
Want to green your pastures? 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**

**Improving Pastures, Increasing Forage**  
*Gary Fredricks, WSU Cowlitz County Extension*  
Want to improve pasture quality and increase forage yields? This session will discuss best practices to keep your pastures productive for the long run while maximizing forage through managed grazing.

**A3**

**Are Weeds Ruling Your Paradise?**  
*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 (weather permitting).

**A4**

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

**Rain Garden Design for Homeowners**  
*Denise Smee, Clark Conservation District & Sunrise O'Mahoney, Vancouver Watersheds Alliance*  
Rain gardens are one of the hottest landscaping trends this year! They're a beautiful addition to a home landscape, offer a sustainable solution for managing stormwater, provide pollinator habitat and feature native plants. Learn about site considerations, design principles, and the best plants to use.

**B1**

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

**B2**

**Improving Equine Health**  
*Anne Marie Ray, Ridgefield Equine Clinic*  
Are you treating your horses' symptoms that stem from management issues you can solve? Dr. Ray will discuss practices you can implement on your property and routine procedures to improve your animals health. Plus get questions answered in a Q&A session!

**B3**

**Hot Topic: Electric Fencing**  
*Gordon French, LIC Feeds*  
Electric fence can be an affordable and easy way to implement rotational grazing and protect sensitive areas. This hands-on demonstration will answer questions about proper set-up and configuration in addition to showing various electric fence options.

**B4**

### Session C 12:45 - 2:00 pm

**Soil Testing and Plant Nutrition in Vegetable Gardens**  
*Martha Minnich, Master Gardener*  
When, why and how to use a soil test to determine the nutrients of your vegetable garden? Learn what testing for nutrients does and does not provide. Plant nutrient needs, how to sample and interpret soil test results, and guidelines for adding the right amount of fertilizers and organic soil amendments will be covered.

**C1**

**Rainwater Harvesting for Small Farms**  
*Clair Klock, Former ARCSA Board Member*  
With all the rain we get, why not put some of it to good use? This class will focus on the planning and construction of rainwater systems for use on small farm. Irrigation, vegetable washing and potability will be discussed. We will walk the farm and discuss factors needed to install a rainwater system for that location.

**C2**

**Less Mud, Better Pastures**  
*Doug Fenwick, Clark Conservation District*  
Are your animals creating a muddy mess and tearing up their green pastures? A properly installed heavy use area is one solution. Learn how to locate, design and install a heavy use area on your property so you can keep your animals healthy and your pastures producing.

**C3**

**Hoof Trimming & Disbudding Goats**  
*Amy Blankenship, Clark County Goat Association*  
Hoof trimming and disbudding can be intimidating for new goat owners. Build confidence and learn how to do it properly from experienced members of the Clark County Goat Association in this hands-on demonstration.

**C4**

## Session D

2:15 - 3:30 pm

**D1**

### Sustainable Parasite Control for Sheep & Goats

*Susan Kerr, WSU Cowlitz County Extension*

This session will focus on non-chemical internal parasite control in sheep and goats. Learn about parasite life cycles, signs of parasitism, decision-making tools, pasture management, animal selection and the dangers of selecting for resistant parasites through the inappropriate use of chemical dewormers.

**D2**

### Year Round Food Preservation

*WSU Master Food Preservers*

Ever wonder what to do with your surplus harvest or all that meat you raised? Learn about the many ways to preserve foods through out the year in this introductory class. Participants will learn techniques for water baths, freezing, drying, and canning that will make your food dollars stretch and let you enjoy your bounty safely.

**D3**

### Grow More Food: Season Extension 101

*David Knaus, Fresh Earth Gardens*

Plant earlier and grow for longer! This session will discuss a variety of season extension practices that will allow you to increase production on your small farm or garden. David will cover season extension techniques for a range of sites, sizes and budgets.

**D4**

### Tractor Safety

*Blair Wolfley, Heritage Farm Manager*

Learn safety tips that can keep you and your tractor out of trouble. This demonstration will answer questions about how to operate your tractor safely so you can avoid costly mishaps and get the job done right.

### Workshop Schedule

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

Our Thanks to:

All of our speakers, vendors, and volunteers.

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



**Register at:** [smallacreageexpo.brownpapertickets.com](http://smallacreageexpo.brownpapertickets.com)

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

**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.

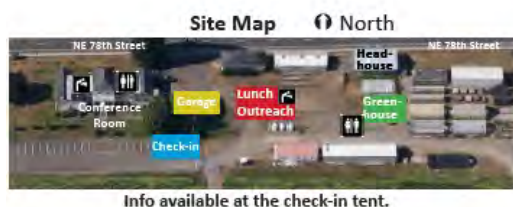


**Look for signs!!**

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.



## Handout Program



Thanks to our prize donors  
for their generosity...

**Wilco**



COLUMBIA RIVER CARBONATES

**GROVER**  
ELECTRIC AND PLUMBING SUPPLY

WASHINGTON STATE UNIVERSITY  
CLARK COUNTY EXTENSION  
Master Gardener Program

Thanks to Clark Public Utilities for supplying tents

And appreciation to our speakers from:

Clark Conservation District	Ridgefield Equine Clinic
Clark County Goat Association	Sunbridge Solar
Clark County Public Health	Vancouver Watersheds Alliance
Clark County Vegetation Management	WSU Extension
Clark Public Utilities	Master Food Preservers
Fresh Earth Gardens	Master Gardeners
LJC Feed	

Extension programs are available to all without discrimination

## Welcome to the 7th Annual Small Acreage Expo!

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

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

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

### Where do you find...?

- **Maps:** check-in tent & on main building porches.
- **Water:** outreach tent & drinking fountains inside front door of the main building.
- **Restrooms:** main building & portable toilets beside the greenhouse and on hill by the parking line.

## About the Small Acreage Program

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

Saturday April 11, 2015

9:00 am to 3:30 pm



10<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



Clark County  
Washington State University  
Extension

Find us On-line at

<http://clark.wsu.edu> - [facebook.com/smallacreageprogram](https://www.facebook.com/smallacreageprogram)

### Workshop Schedule

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

### Workshop Locations

Topic	Session	Location
Solar Energy for Small Farms	A	Headhouse
Get the Lowdown on Lime	A	Conference Rm
Improving Pastures, Increasing Forage	A	Garage
Are Weeds Ruling Your Paradise?	A	Greenhouse
Rain Garden Design for Homeowners	B	Headhouse
Septic Inspection Certification	B	Conference Rm
Improving Equine Health	B	Garage
Hot Topic: Electric Fencing	B	Greenhouse
Lunch and Open House		Tent
Soil Testing & Plant Nutrition in Veg...	C	Headhouse
Rainwater Harvesting for Small Farms	C	Conference Rm
Less Mud, Better Pastures	C	Garage
Hoof Trimming & Disbudding Goats	C	Greenhouse
Sustainable Parasite Control	D	Conference Rm
Year Round Food Preservation	D	Garage
Grow More Food: Season Extension	D	Headhouse
Tractor Safety	D	Greenhouse

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## Expo Sample Press Release

**For Immediate Release**

March 19, 2015

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

### **WSU Extension Celebrates 10<sup>th</sup> Annual Small Acreage Expo**

Vancouver, WA – WSU Clark County Extension and the Clark County Clean Water Program invite the community to the tenth annual Small Acreage Expo on Saturday, April 11 at the 78<sup>th</sup> Street Heritage Farm.

This year's Small Acreage Expo will offer some exciting new topics including electric fence installation, tractor safety, rainwater harvesting, renewable energy, sustainable parasite control and more. Participants can still choose from many of the popular topics offered in previous years such as septic inspection certification, weed management, lime and fertilizer application, and pasture management. An open house during the lunch break will allow participants to meet and learn more about local organizations and agencies that serve the public as well as ask questions to local vendors participating in the event. A program providing full descriptions of all classes as well as online registration is available at <http://smallacreageexpo.brownpapertickets.com/>

Eric Lambert, Small Acreage Program Coordinator, says "We're excited to celebrate the tenth anniversary of an event focused on stewardship and education. Participants come to learn about ways to improve their land or farm and those practices also protect water quality and natural resources so it's really a win-win." Doug Stienbarger, County Extension Director notes, "It's great to see folks come to the Expo to network with other landowners, make connections with local resources, and learn new practices that they can apply at home to improve their property."

#### **"Small Acreage Expo"**

Saturday, April 11, 2015  
8:30 AM to 3:30 PM  
78<sup>th</sup> Street Heritage Farm  
Vancouver, WA

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

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

Paid Advertisement Sample

The Reflector and Camas Washougal Post-Record

# 10th Annual Clark County Small Acreage Expo

Saturday April 11, 2014 ~ 8:30 am - 3:30 pm  
78<sup>th</sup> Street Heritage Farm

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

**Full event program and registration at:  
[smallacreageexpo.brownpapertickets.com](http://smallacreageexpo.brownpapertickets.com)**

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

Session A

- A1 Solar Energy for Small Farms
- A2 Get the Low Down on Lime
- A3 Improving Pastures, Increasing Forage
- A4 Are Weeds Ruling Your Paradise?

Session B

- B1 Rain Garden Design for Homeowners
- B2 Septic Inspection Certification
- B3 Improving Equine Health
- B4 Hot Topic: Electric Fencing

Session C

- C1 Plant Nutrition in Vegetable Gardens
- C2 Rainwater Harvesting for Small Farms
- C3 Less Mud, Better Pastures
- C4 Hoof Trimming & Disbudding Goats

Session D

- D1 Sustainable Parasite Control for Goats
- D2 Year Round Food Preservation
- D3 Grow More Food: Season Extension
- D4 Tractor Safety

**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.



Clark County FYI – April 1, 2015 p. 4  
& April 8, 2015 p. 3

## FYI Online

4

### Page 1

- Central Precinct closes to public
- Blood drive April 15

### Page 2

- Clean up and recycle days
- Take Your Child To Work Day
- Web server maintenance

### Page 3

- Resume, interview skills brown bag
- Event Center activities
- PERS Plan 3 record keeper

### Page 4

- Legacy Lands celebration
- Small Acreage Expo
- Bike Clark County

### Page 5

- David Pitonyak brown bag
- Youth Heritage Project

### Page 6

- On this date in history

## Celebrate 30 years of Legacy Lands beauty

Since October 1985, Clark County and its conservation partners have purchased more than 5,000 acres of natural areas to protect our river valleys, forests and ecologically important lands for future generations.

Throughout the spring, summer and fall, we will highlight some of the beautiful sites across our community. Grab your family and friends, some snacks and head out to explore our natural areas. There are amazing sites to hike, fish, trail ride and just enjoy!

The featured sites for April are Salmon Creek Greenway and Trail and Moulton and Lucia Falls Trail.

For details about the sites and celebration, go to [Legacy Lands April](#) for information about each site.

To learn more about the Legacy Lands Program, go to [Clark County Legacy Lands](#).



## 10th annual Small Acreage Expo April 11

Washington State University Clark County Extension and Clark County Clean Water Program invite the community to the 10th annual Small Acreage Expo on Saturday, April 11.

The expo will be at the 78th Street Heritage Farm, 1919 N.E. 78th St., and will be 8:30 a.m. to 3:30 p.m.

This year's expo will offer new topics including electric fence installation, tractor safety, rainwater harvesting, renewable energy and sustainable parasite control. Participants also can choose from many popular topics such as septic inspection certification, weed management, lime and fertilizer application and pasture management. Descriptions of classes and online registration is available at <http://smallacreageexpo.brownpapertickets.com/>.



The Reflector – April 8, 2015 p. C7

APRIL 8, 2015

Home Scene

The Reflector C7

## WSU Extension celebrates 10th annual Small Acreage Expo

*Event to be held Sat., April 11 at 78th Street Heritage Farm*

WSU Clark County Extension and the Clark County Clean Water Program invite the community to the 10th annual Small Acreage Expo on Sat., April 11 at the 78th Street Heritage Farm, located at 1919 NE 78th St., in Vancouver.

This year's Small Acreage Expo will offer some new topics including electric fence installation, tractor safety, rainwater harvesting for small farms, renewable energy, sustainable parasite control, hoof trimming and disbudding goats, and more.

Participants can still choose

### AT A GLANCE

### Small Acreage Expo

**SAT., APRIL 11**

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

78th Street Heritage Farm, Vancouver

from many of the popular topics offered in previous years such as septic inspection certification, weed management, lime and fertilizer application, and pasture management.



Photo courtesy of WSU Clark County Extension

**AREA RESIDENTS ARE** invited to the 10th annual Small Acreage Expo on Sat., April 11 at the 78th Street Heritage Farm. Topics will include electric fence installation, as shown in this photo from last year's event.

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

A program providing full descriptions of all classes as well as online registration is available at <http://smallacreageexpo.brownpapertickets.com/>.

Eric Lambert, Small Acreage Program coordinator, said, "We're excited to celebrate the 10th anniversary of an event focused on stewardship and education. Participants come to learn about ways to improve their land or farm and those practices also protect water quality and natural resources so it's really a win-win."

Doug Stienbarger, County Extension director, added, "It's great

to see folks come to the Expo to network with other landowners, make connections with local resources, and learn new practices that they can apply at home to improve their property."

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



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

**FREE!**



17<sup>th</sup> Annual Tour of  
Clark County Farms  
Saturday, September 19<sup>th</sup>  
10 am to 3 pm



WASHINGTON STATE  
UNIVERSITY  
EXTENSION

Showcasing the Bounty of  
Clark County Farms

## Farm Guide Inside

### Back

- Why Buy Local
- Finding Farm Products
- Farm Events Schedule

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## HARVEST CELEBRATION PRESS RELEASE

### For Immediate Release

August 17, 2015

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

### **17<sup>th</sup> Annual Harvest Celebration Offers Family Fun On the Farm**

**Saturday, September 19, 2015**

10:00 AM to 3:00 PM

Hazel Dell South, WA – WSU Clark County Extension and local farms across the county invite the community to this year's Harvest Celebration Day on Saturday, September 19. From 10am to 3pm 11 farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm. Allen Creek Farm, a major chestnut producer in Ridgefield, will be joining the tour for the first time, while Heisen House Vineyards and Compass Rose Alpacas will be back again after a couple of years away.

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

Eric Lambert, Small Acreage Program Coordinator says, "This event is fun for the whole family, but it's also a great way to show support for the hard working farmers that feed our local food system. Most of our small farmers rely on direct marketing, which is largely about building relationships with local consumers focused on trust, appreciation and, of course, the best food, flowers and fibers!"

This year's Harvest Celebration will also feature two local farms that have been recognized by WSU Clark County Extension for showing a commitment to stewardship. Compass Rose Alpacas and Conway Family Farm have been awarded a sign that reads 'Doing Our Part for Clean Water', for the implementing practices that protect clean water and natural resources.

Lambert says, "These farms are important as we work to build a culture of stewardship in Clark County and they're an excellent place to learn about sustainable farming practices."

Farm descriptions with maps and an events schedule are available online at [ext100.wsu.edu/clark/naturalresources/smallacreageprogram/](http://ext100.wsu.edu/clark/naturalresources/smallacreageprogram/) 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 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 Clark County 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.*

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## Other Publicity

Clark County FYI  
September 2, 2015

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### 17th Harvest Celebration Day

**Date:** Saturday, September 19, 2015 - 10:00am

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

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


Click the image below to find out more about the 17th Annual Tour of Clark County Farms, Saturday, Sept. 19.



**17<sup>th</sup> HARVEST  
CELEBRATION DAY**

**FREE!**

**17<sup>th</sup> Annual Tour of  
Clark County Farms  
Saturday, September 19<sup>th</sup>  
10 am to 3 pm**

  
**WASHINGTON STATE  
UNIVERSITY  
EXTENSION**

**Showcasing the bounty of  
Clark County Farms**

**Farm guide inside**

**Back**

- Why buy local
- Finding farm products
- Farm events schedule



# HARVEST CELEBRATION FARM TOUR

📅 September 17, 2015   👤 Monika Spykerman   📁 Uncategorized   📍 Farm Tour, Harvest Celebration Day, WSU Extension

The 17th annual [Harvest Celebration Day](#) showcases the bounty of Clark County farms with a self-guided tour of 11 local farms from 10 a.m. to 3 p.m. on **Saturday, Sept. 19**. The farm tour, sponsored by the [WSU Clark County Extension](#) in partnership with the [Clark County Clean Water Program](#), invites to to “make the farm connection”: meet your local farmers and discover where you can get fresh, local, organic, sustainably farmed produce, flowers, honey, eggs, meat, cheese, wine, soap, candles and even ice cream!

Spending your food dollars on locally produced farm products keeps money in our local economy, not to mention the fact that farmland creates an excellent wildlife habitat, slows down rain runoff, and helps to purify groundwater. Farmland is also beautiful to look at and keeps us connected with our agricultural heritage. When you meet your local farmers, you meet your neighbors! The tour is free, no registration is necessary, and it’s especially fun for kids. There are fun things to do at each farm, like the Hampton Court maze at Allen Creek, or ice cream sampling at Conway Family Farm. Most farms also have farm stores where you can purchase their products right on the spot. Here are the farms on the tour:

1. [Allen Creek Farm](#), 29112 N.W. 41st Ave., Ridgefield
2. [Compass Rose Alpacas](#), 32820 N.W. Pekin Ferry Rd, Ridgefield
3. [White Oak Alpacas](#), 39908 N.E. 12th Ave, Woodland
4. [Yacolt Mountain Farm & Nursery](#), 20217 N.E. Yacolt Mt. Rd., Yacolt
5. [Heisen House Vineyards](#), 28005 N.E. 172nd Ave., Battle Ground
6. [Bi-Zi Farms](#), 9504 N.E. 119th St, Vancouver
7. [Botany Bay Farm](#), 13513 N.E. 132nd Ave., Brush Prairie
8. [Half Moon Farm](#), 14737 N.E. 159th St., Brush Prairie
9. [Velvet Acres Gardens](#), 18905 N.E. 83th St., Vancouver
10. [Conway Family Farm](#), 32116 NE Dial Road, Camas
11. [Linda’s Dahlias](#), 1525 SE Washougal River Road, Washougal

*Above image: just a local boy hangin’ out with his chick at Botany Bay Farm.*

**"These farms are important as we work to build a culture of stewardship in Clark County."**

— Eric Lambert, WSU extension



Contributed photo

Those who attend the Harvest Celebration will have the chance to meet their local farmers; purchase fresh produce, U-pick, cut flowers, and other farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour fruit orchards, vegetable fields and flower gardens.

## Harvest Celebration offers fun on the farm

**17th annual event will be held Sept. 19**

WSU Clark County Extension and local farms across the county invite the community to this year's Harvest Celebration Day on Saturday, Sept. 19.

From 10 a.m. to 3 p.m., 12 farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm.

Allen Creek Farm, a major chestnut producer in Ridgefield, will be joining the tour for the first time, while Heisen House Vineyards and Compass Rose Alpacas will be back again after a couple of years away.

The farms on this year's Harvest Celebration will

offer a wide range of free family-oriented activities.

Yacolt Mountain Farm & Nursery will show off draft horses working the fields, Half Moon Farm will have a Honey Harvest Celebration, White Oak Alpacas will give talks on raising alpacas, and demonstrations on shearing, spinning and skirting, and Botany Bay will offer guided tours and other festivities.

Participants will also have the chance to meet their local farmers; purchase fresh produce, U-pick, cut flowers, and other farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour fruit orchards, vegetable fields and flower gardens.

"This event is fun for the whole family, but it's also a great way to show

support for the hard working farmers that feed our local food system," said Eric Lambert, Small Acreage Program coordinator. "Most of our small farmers rely on direct marketing, which is largely about building relationships with local consumers focused on trust, appreciation and, of course, the best food, flowers and fibers."

This year's event will also feature two local farms that have been recognized by WSU Clark County Extension for showing a commitment to stewardship. Compass Rose Alpacas and Conway Family Farm have been awarded a sign that reads "Doing Our Part for Clean Water," for the implementing practices that protect clean water and natural resources.

"These farms are impor-

tant as we work to build a culture of stewardship in Clark County and they're an excellent place to learn about sustainable farming practices," Lambert said.

Farm descriptions with maps and an events schedule are available online at [ext100.wsu.edu/clark/naturalresources/small-acreageprogram/](http://ext100.wsu.edu/clark/naturalresources/small-acreageprogram/) or at the extension office, 1919 N.E. 78th St., Vancouver.

"This celebration offers 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 Clark County agriculture," said Doug Stienberger, WSU Clark County Extension director.



## Annual Harvest Celebration offers family fun on the farm

*Event will include chestnut producer in Ridgefield Sept. 19*

WSU Clark County Extension and local farms across the county invite the community to this year's Harvest Celebration Day on Sat., Sept. 19, from 10 a.m. to 3 p.m.

Twelve farms will be open for the public to experience Clark County's diverse agricultural producers and learn about life on the farm. Allen Creek Farm, a major chestnut producer in Ridgefield, will be joining the tour for the first time, while Heisen House Vineyards and Compass Rose Alpacas will be back again after a couple of years away.

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

Participants will also have the chance to meet their local farmers; purchase fresh produce, U-pick, cut flowers, and other farm products; see alpacas, draft horses, chickens, goats, and other livestock; tour fruit orchards, vegetable fields and flower gardens.

Eric Lambert, Small Acreage Program Coordinator said, "This event is fun for the whole

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Farm descriptions with maps and an events schedule are available online at [ext100.wsu.edu/clark/naturalresources/smallacreageprogram/](http://ext100.wsu.edu/clark/naturalresources/smallacreageprogram/) or from the Extension office in Vancouver located at 1919 NE 78th Street. Participating farms will be open to visitors from 10 a.m. to 3 p.m.

Doug Stienhager, WSU Clark County Extension director says, "This celebration offers 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 Clark County agriculture."



Photo courtesy of WSU Clark County Extension

**COMPASS ROSE ALPACAS** is one of the 12 farms that will be featured in the annual Harvest Celebration Day to be held Sat., Sept. 19 around Clark County.



Photo courtesy of WSU Clark County Extension

**A DOZEN AREA** farms will be featured in this year's Harvest Celebration Day to be held Sat., Sept. 19.



Photo courtesy of WSU Clark County Extension

**THIS YEAR'S** Harvest Celebration Day will be held Sat., Sept. 19. Area residents will have the opportunity to tour 12 different farms around Clark County.





## Get in touch with local farming

### Annual tour allows residents to cultivate appreciation for sustainable agriculture

By [Scott Hewitt](#), Columbian Arts & Features Reporter

Published: September 18, 2015, 6:00 AM

#### FARMS ON THE TOUR AND WHAT THEY GROW

1. **Allen Creek Farm**, 29112 N.W. 41st Ave., Ridgefield: Chestnuts. [www.ChestnutsOnLine.com](http://www.ChestnutsOnLine.com)
2. **Compass Rose Alpacas**, 32820 N.W. Pekin Ferry Road, Ridgefield.
3. **White Oak Alpacas**, 39908 N.E. 12th Ave., Woodland. [www.whiteoakalpacas.com](http://www.whiteoakalpacas.com)
4. **Yacolt Mountain Farm & Nursery**, 20217 N.E. Yacolt Mountain Road, Yacolt: Vegetables, fruits, eggs. [www.yacoltmountainfarmandnursery.com](http://www.yacoltmountainfarmandnursery.com)
5. **Heisen House Vineyards**, 28005 N.E. 172nd Ave., Battle Ground.
6. **Bi-Zi Farms**, 9504 N.E. 119th St., Vancouver: Fruits, veggies, flowers. [www.bizifarms.com](http://www.bizifarms.com)
7. **Botany Bay Farm**, 3513 N.E. 132nd Ave., Brush Prairie: Livestock. [www.botanybayfarm.com](http://www.botanybayfarm.com)
8. **Half Moon Farm**, 14737 N.E. 159th St., Brush Prairie: Honey and honey products, flowers. [www.halfmoonfarm.com](http://www.halfmoonfarm.com)
9. **Velvet Acres Gardens**, 18905 N.E. 83rd St., Vancouver: Vegetables, pumpkins, dairy. [www.velvetacresgardens.com](http://www.velvetacresgardens.com)
10. **Conway Family Farm**, 32116 N.E. Dial Road, Camas: Cheeses, dairy, livestock. [www.conwayfamilyfarm.com](http://www.conwayfamilyfarm.com)
11. **Linda's Dahlias**, 1525 S.E. Washougal River Road, Washougal. [www.lindasdahlias.com](http://www.lindasdahlias.com)

#### If You Go

- **What:** 17th annual Harvest Celebration Tour of Clark County Farms, sponsored by Washington State University Clark County Extension. Featuring 11 farms offering guided and self-guided tours, discussions and demonstrations, tasting and shopping.
- **When:** 10 a.m. to 3 p.m. Sept. 18.
- **Where:** 11 sites across Clark County.
- **On the Web:** For directions, detailed descriptions, event schedule, visit <http://ext100.wsu.edu/clark> and click on "Harvest Celebration Day Farm Guide."
- **Pets:** Please leave them at home.
- **Many more farms:** For a huge database of registered farms throughout the bistrate region, visit [http://smallfarms.wsu.edu/farms/locate\\_search.asp](http://smallfarms.wsu.edu/farms/locate_search.asp).

#### WHY SUPPORT LOCAL FARMS?

- **Economy.** They keep jobs and dollars in your area; farm tourism brings in still more.
- **Energy and pollution.** Buying local food means not buying what's refrigerated and shipped many miles in trucks, trains, ships.
- **Security.** Keeping it local means avoiding disruptions in global food systems.
- **Land preservation.** Farms mean greenery, groundwater recharge, flood control and wildlife habitat.
- **Heritage.** Farms keep us in touch with our history and with the earth.



If you don't eat food, feel free to quit reading now.

But if you do, maybe you ought to spend a little time thinking about from where and from whom your food comes. On Saturday, 11 local farms will welcome the public to step away from the supermarket and into Clark County's rich, productive dirt to see what's growing there.

The annual Harvest Celebration Farm Tour "started out as a way to connect the community with local farmers, 17 years ago," said coordinator Eric Lambert of the Washington State University Clark County Extension, which sponsors the daylong open-farms festival every September. "If you think about it, local food and sustainability weren't the buzzwords 17 years ago that they are today."

Nowadays, he said, "There's quite a diversity of folks producing most everything you can think of, from fiber to chestnuts to honey." Not to mention meats and vegetables of all sorts.

And yet, added extension director Doug Steinbarger, the total acreage of farmland in Clark County keeps slowly shrinking. According to the U.S. Department of Agriculture — which conducts its own "agriculture census" every five years — there were 78,359 acres of Clark County land in 2,101 farms in 2007; by 2012 that had fallen to 74,758 acres in 1,929 farms.

"With more urbanization and development, we've seen a loss of farmland over the years," said Lambert. "But we also know that people want to get back to those roots. People are really interested in learning about where their food comes from and showing their kids what life is like on a farm."

That comes under the trendy label "agritourism," he added — the practice of giving visitors an enjoyable real-time farm experience as well as selling them some great homegrown products to take home. "That's a direction a lot of farms are moving in," Lambert said. "It's a way for people to come get a glimpse of that life and to provide the farmers with a revenue stream, too."

There's probably no better local example of the rise of agritourism than the wineries that have popped up all over West Coast. Clark County is no exception, with 15 wineries here, according to the site [swwawine.com](http://swwawine.com). One is on Saturday's tour: Heisen House Vineyards, a small-scale, family-run, 5-acre boutique winery situated in a National and State Historic Site in the Lewisville area northeast of Battle Ground. (The historic site is the winemakers' family home and not open to the public, but there's plenty to admire from the outside as well as indoor and outdoor tasting rooms.)

Heisen House is pretty close to the geographic center of Clark County, as is Half Moon Farm, dedicated to beekeeping and making honey and wax products; at the extreme north are White Oak Alpacas in Woodland, where it's "all things alpaca," with onsite shearing and the Sheared Delights sales boutique, and Yacolt Mountain Farm and Nursery, which raises organic vegetables the old-fashioned way: draft horses, no tractor.

Down south are Linda's Dahlias on Washougal River Road, where you can buy a bouquet or do your own bouquet picking, and Conway Family Farm near Camas, which gets special praise from Lambert for "being absolutely instrumental in supporting our small-acreage farming program here."

"Laurie Conway helps out with our small-farms business planning class and she's always willing to open up her farm," Lambert said. "With the amount of planning and hard work that goes into that farm, it's one of the best 5-acre properties I've ever seen."

The Conway farm in particular is offering nitty-gritty afternoon workshops for fellow farmers, on matters like crop rotation and hydroponic feed production.

Given all that geographic spread and feedback he's gotten about previous years, Lambert recommends keeping your itinerary reasonable.

"You probably couldn't get to all of them if you wanted to," he said. "My advice is to pick a region and check out the farms in that region. Every one is different so you'll still get a really diverse look."

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Lambert noted that we're heading into harvest season right now — a time when farms tend to exceed their normal level of busy. It takes them extra effort to meet and greet the public during this annual farm tour, he said. "They do get some benefit but it takes them a heck of a lot of work," he said.

Therefore, Lambert and the farmers on the tour are hoping you'll stop by with just a little more than a smile.

"One of the important things we ask for, because the farmers don't and won't necessarily ask: Please spend some dollars on your local farm," he said. "This isn't about just showing up and walking around. At the end of the day, spending money means you are ensuring that these farms stay open."

## County extension service plans harvest celebration

VANCOUVER — The 17th annual Harvest Celebration Day will showcase a variety of local farms and activities next month, according to the Washington State University Clark County Extension.

As part of the free event Sept. 19, 11 farms will be open to the public from 10 a.m. to 3 p.m. The farms will explain their operations and lifestyle, and offer a range of family activi-

ties.

Among the participating farms, Allen Creek Farm in Ridgefield will join the event for the first time this year, according to the extension service. Other farms offering tours as part of the Harvest Celebration Day are spread across the county.

More information about the event and the participating farms is available online at [clark.wsu.edu](http://clark.wsu.edu).

Log in to FoodHub today to connect and do business »

## Community Events & Updates

Know of an event the FoodHub community might be interested in, but don't see it on the list? Email us at [meet@food-hub.org](mailto:meet@food-hub.org) to have it included in next week's newsletter.

Sep 09	Mount Vernon, WA	<a href="#">From Seed to Market: Profitable Small-Scale Vegetable Farming</a>
Sep 10	Oregon City, OR	<a href="#">Succession Planning Workshop, Clackamas Business Expo (free)</a>
Sep 10	Eugene, OR	<a href="#">Sustainable Medicine: The Forest Grown Ginseng &amp; Woodland Botanical Verification Program</a>
Sep 11	Longview, WA	<a href="#">School Garden Volunteer Training</a>
Sep 12	Whatcom County, WA	<a href="#">Whatcom County Farm Tour</a>
Sep 12	Oregon City, OR	<a href="#">Small Farm School</a>
Sep 12	, WA	<a href="#">Washington Organic Week</a>
Sep 12	Longview, WA	<a href="#">School Garden Volunteer Training</a>
Sep 13	Portland, OR	<a href="#">Closing the Hunger Gap: Cultivating Food Justice Conference</a>
Sep 13	, OR	<a href="#">Organically Grown in Oregon Week</a>
Sep 14	Ridgefield, WA	<a href="#">Accessing Land as Beginning Vegetable Farmers</a>
Sep 16	Middleton, ID	<a href="#">Farming with Beneficial Insects &amp; Pollinators Field Day</a>
Sep 16	Sequim, WA	<a href="#">Seed Cleaning Techniques and Equipment</a>
Sep 18	Seattle, WA	<a href="#">International Food Bloggers Conference</a>
Sep 19	Clark County, WA	<a href="#">17th Harvest Celebration Day Farm Tours</a>
Sep 21	Seattle, WA	<a href="#">Yakima Valley: Hops, Produce, Water</a>

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HARVEST CELEBRATION PAID ADVERTISEMENT

The Reflector  
September 9, 2015



**17th Annual HARVEST CELEBRATION**

Showcasing the Bounty of Clark County Farms  
Saturday, September 19<sup>th</sup> 10 am to 3 pm

Tour local farms:

*FREE family fun!!!*

1 - Allen Creek Farm	7 - Botany Bay Farm
2 - Compass Rose Alpacas	8 - Half Moon Farm
3 - White Oak Alpacas	9 - Velvet Acres Gardens
4 - Yacolt Mountain Farm	10 - Conway Family Farm
5 - Heisen House Vinyards	11 - Linda's Dahlias & More
6 - Bi-Zi Farms	

  
**WASHINGTON STATE UNIVERSITY**  
EXTENSION

Farm Guide and Map at  
<http://ext100.wsu.edu/clark/>

WSU Extension programs are available to all without discrimination.



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## Appendix F: Model and Merit Properties

SAMPLE TOUR FLYER

SAMPLE PRESS RELEASE

OTHER TOUR PUBLICITY

# Small Acreage Tour



Got acreage? Tour this Clark County model property and gain valuable tips and ideas to improve your land and animal management plans.

Circle R Ranch  
Battle Ground, WA

Saturday September 12  
10:00 am to 12:00 pm



Come see:

- ~ Equine management
- ~ Maintaining wildlife habitat
- ~ Manure management
- ~ Heavy use area for reducing mud
- ~ Natural pest management strategies

**PRE-REGISTRATION REQUIRED - \$10**

[www.brownpapertickets.com/event/2074593](http://www.brownpapertickets.com/event/2074593)

or call (360) 397-6060 ext. 0

Jointly sponsored by:

WSU 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 (360) 397-6060 ext. 0 at least two weeks prior to the event.

**For Immediate Release**

April 17, 2015

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

**Healthy Farm for Healthy Horses Tour**

Washougal, WA – WSU Clark County Extension’s Small Acreage Program invites participants to tour, Columbia Gorge Horse Stable, a local small acreage property in Washougal that is home to show and rescue horses. Columbia Gorge Horse Stable was recognized as a Small Acreage model property in 2006 for efforts made to protect water quality and natural resources by maintaining healthy riparian areas, managing runoff to control mud, and controlling weeds for improved pastures. Tour participants will have the opportunity to see pasture rotation and cross fencing, discuss manure management, learn about functional winter paddock designs, and gain knowledge about living with wildlife.

The Small Acreage Program, co-sponsored by WSU Clark County Extension and Clark County Environmental Services Clean Water Program, will lead the tour with the landowners. The tour will be held on Wednesday, May 13 from 6:30 to 8:30pm and participants will meet at the property in Washougal.

Eric Lambert, Small Acreage Program Coordinator, says “This is a terrific property, where the landowners developed a management plan and have worked hard to implement practices that fulfill their goals. It benefits their animals, their family, and the environment. It should be a great educational event for everyone and you don’t need to own horses to attend.” Farm tours are guided educational events open to everyone and anyone.

**Columbia Gorge Horse Stable Tour**

Wednesday, May 13, 2015 – 6:30 PM to 8:30 PM  
Washougal, WA

**Registration is \$10, and tour size is limited,** please visit <http://www.brownpapertickets.com/event/1317170> or call 360-397-6060 ext. 5729 to register, get directions to the property, and for more information. Look for more tours in the summer and fall!

*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.*

###

The Reflector – May 6, 2015 p. C3

## Small Acreage Program to hold tour of stable

*Event will be  
Wed., May 13 at  
Washougal property*

WSU Clark County Extension's Small Acreage Program invites participants to tour, Columbia Gorge Horse Stable, a local small acreage property in Washougal that is home to show and rescue horses.

Columbia Gorge Horse Stable was recognized as a Small Acreage model property in 2006 for efforts made to protect water quality and natural resources by maintaining healthy riparian areas, managing runoff to control mud, and controlling weeds for improved pastures.

Tour participants will have the opportunity to see pasture rotation and cross fencing, discuss manure management, learn about functional winter paddock designs, and gain knowledge about living with wildlife.

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educational event for everyone and you don't need to own horses to attend."

Farm tours are guided educational events open to everyone and anyone.

Registration is \$10, and tour size is limited, visit <http://www.brownpapertickets.com/event/1317170> or call (360) 397-6060 ext. 5729 to register, get directions to the property, and for more information.

The Columbian – May 7, 2015 p. D3

**Healthy Farm for Healthy Horses Tour:** 6:30 to 8:30 p.m. May 13 at Columbia Gorge Horse Stable in Washougal. Learn about pasture rotation and cross fencing, manure management and living with wildlife. \$10. Registration, directions: 360-397-6060, ext. 5729, or [www.brownpapertickets.com/event/1317170](http://www.brownpapertickets.com/event/1317170)



## OTHER TOUR PUBLICITY

Clark County FYI  
May 6, 2015  
June 17, 2015  
August 15, 2015

### FYI Online

4

#### Page 1

- Construction rise drives budget update
- New phone system at CRESA

#### Page 2

- Change in Outlook Address Book
- Susan Hopper retires

#### Page 3

- Master Composter workshops
- May Legacy Lands events

#### Page 4

- Employee Service Recognition
- Healthy horses workshop
- Well, septic inspection workshops
- DRS PERS 2, 3
- Laura Evans retires

#### Page 5

- Supervisory skills training
- ROK training
- May activities at Event Center

#### Page 6

- On this date in history

### Save the date to honor your colleagues

**What:** Employee Service Recognition ceremony

**When:** Monday, May 18, 2015

**Reception & refreshments:** 8:30-9 a.m.

**Program:** 9-10:30 a.m.

**Where:** sixth-floor hearing and training rooms, Public Service Center, 1300 Franklin St.



### Healthy farm for healthy horses tour

Got horses? Tour one of Clark County's model properties and gain valuable ideas for your land and animal management plans.

Columbia Gorge Horse Stable is a local, small-acreage property in Washougal that is home to show and rescue horses. It was recognized as a Small Acreage model property in 2006 for efforts to protect water quality and natural resources by maintaining healthy riparian areas, managing runoff to control mud, and controlling weeds for improved pastures.

Participants will have the opportunity to see pasture rotation and cross fencing, discuss manure management, learn about functional winter paddock designs and living with wildlife.

The tour will be 6:30-8:30 p.m. Wednesday, May 13. Registration is \$10. Register early; tour size is limited.

Please visit [www.brownpapertickets.com/event/1317170](http://www.brownpapertickets.com/event/1317170) or call (360) 397-6060 ext. 5729 to register and get directions.



### Well, septic inspection workshop May 20

Residents with gravity-fed septic systems can save money by attending a well and [septic maintenance workshop](#) on Wednesday, May 20. Owners can be certified to inspect their own systems after a short exam.

The [workshop](#) is presented by Washington State University Clark County Extension's Small Acreage Program.

Cost is \$15 per household. Register early; class size is limited.

For details and registration, go to [www.brownpapertickets.com/event/1381244](http://www.brownpapertickets.com/event/1381244) or call (360) 397-6060 ext. 5729.

#### URA EVANS IS RETIRING

26½ years with Clark County  
Join us

The Reflector – June 10, 2015 p. C5

JUNE 10, 2015

Home Scene

The Reflector C5

# Brush Prairie resident shares with community

*Burkhart's Highland Farm to be featured on tour June 25*

BRUSH PRAIRIE – Over the past 12 years, John Burkhardt has worked hard to learn and implement stewardship practices on his eight-acre Brush Prairie property, and now he wants to share what he's learned.

Burkhart and WSU Clark County Extension's Small Acreage Program invite the community for a tour of Burkhardt's Highland Farm on Thu., June 25 to learn about natural horse care, organic gardening, and management practices that improve farms while keeping area streams clean.

In 2013, Burkhardt's Highland Farm was recognized by the Small Acreage Program as a model property for implementing best management practices that protect water quality and natu-

ral resources. In the years leading up to that recognition, Burkhardt attended numerous Small Acreage Program workshops, tours and events, including the 12-week *Living On the Land: Stewardship for Small Acreages* class, to learn how stewardship practices could benefit his goals for the property while enhancing the environment.

"The WSU Small Acreage Program gave us the information needed to design a winter paddock in the heavy use areas and the horses' feet have been healthy since eliminating the mud," Burkhardt said.

On the tour, participants will learn valuable tips and see strategies that can help reduce mud, improve pastures and protect natural resources. Participants will also have the opportunity to see and discuss winter paddock design, footing materials, manure composting, controlling runoff, pasture management, managing

acreage organically and more.

"John has really shown a commitment to stewardship and the practices we teach, and the quality of his property shows that," said Eric Lambert, Small Acreage Program coordinator. "These tours are an excellent way to share ideas and learn from others' successes and mistakes."

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. Resources will be available and the tour will begin at 6:30 p.m. and run until 8:30 p.m. with participants meeting at the property in Brush Prairie. Farm tours are guided educational events open to anyone.

Registration is \$10 and tour size is limited. To register, visit <http://www.brownpapertickets.com/event/1592214> or call 360-397-6060, ext. 0.

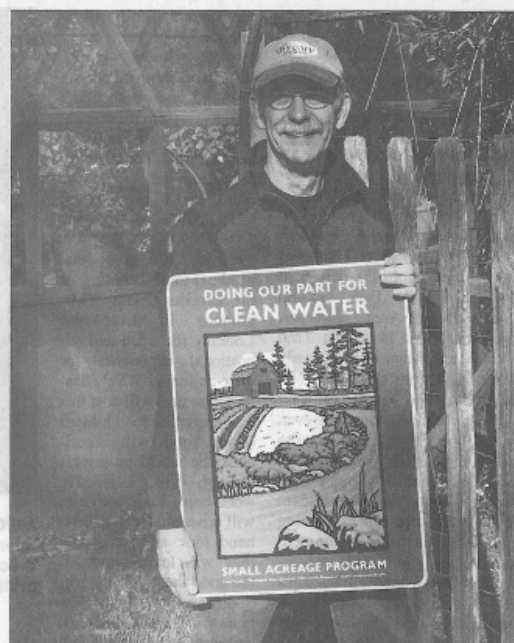


Photo courtesy of WSU Clark County Extension

**JOHN BURKHART'S** Highland Farm in Brush Prairie was recognized in 2013 by the Small Acreage Program as a model property for implementing best management practices that protect water quality and natural resources.



Camas Washougal Post Record – June 9, 2015 p. A3

The Columbian – June 11,  
2015 p. D3

**Burkhart's Highland Farm Tour:**  
6:30 to 8:30 p.m. June 25 in  
Brush Prairie. The 8-acre farm  
features horses and organically  
grown vegetables and fruits.  
In 2013, it was recognized by  
WSU Clark County Extension  
as a model property for  
demonstrating a commitment  
to stewardship by implementing  
practices to control runoff,  
reduce mud, manage manure,  
and maintain healthy pastures.  
Tour participants will hear  
tips on keeping horses and  
improving organic management  
practices. Registration required  
and tour size is limited. \$10.  
• Directions and registration:  
360-397-6060, ext. 0, or [www.brownpapertickets.com/  
event/1592214](http://www.brownpapertickets.com/event/1592214)



John Burkhardt and WSU Clark County Extension's Small Acreage Program invite the community for a tour of Burkhardt's Highland Farm Thursday, June 25. Participants will learn about natural horse care, organic gardening, and management practices that improve farms and keep streams clean.

## Highland Farm opens its doors for tour

**Landowner will share experiences, ideas**

Over the past 12 years, John Burkhardt has worked hard to learn and implement stewardship practices on his eight-acre Brush Prairie property, and now he wants to share what he's learned.

Burkhart and WSU Clark County Extension's Small Acreage Program invite the community for a tour of his Highland Farm Thursday, June 25, to learn about natural horse care, organic gardening, and management practices that improve farms while keeping streams clean.

In 2013, Highland Farm was recognized by the Small Acreage Program as a model property for implementing best management practices that protect water quality and natural resources.

In the years leading up

to that recognition, Burkhardt attended numerous Small Acreage Program workshops, tours and events, including the 12-week "Living On the Land: Stewardship for Small Acreages" class, to learn how stewardship practices could benefit his goals for the property while enhancing the environment.

"The WSU Small Acreage Program gave us the information needed to design a winter paddock in the heavy use areas and the horses' feet have been healthy since eliminating the mud," Burkhardt said.

On the tour, participants will learn tips and see strategies that can help reduce mud, improve pastures and protect natural resources. There will also be an opportunity to see and discuss winter paddock design, footing materials, manure composting, controlling runoff, pasture management, managing acreage organically and more.

"John has really shown a commitment to stewardship and the practices we teach, and the quality of his property shows that," said Eric Lambert, Small Acreage Program coordinator. "These tours are an excellent way to share ideas and learn from others' successes and mistakes."

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. It will run from 6:30 to 8:30 p.m., with participants meeting at the property in Brush Prairie. Farm tours are guided educational events open to anyone.

Registration is \$10 per person. Tour size is limited. To register, visit [www.brownpapertickets.com/event/1592214](http://www.brownpapertickets.com/event/1592214) or call (360) 397-6060, Ext. 0.

The Camas Washougal Post Record  
August 25, 2015  
p.A7

## Small Acreage Equine Farm Tour is Sept. 12

Registration  
is underway

WSU Clark County Extension's Small Acreage Program invites participants to tour Circle R Ranch, a local small acreage property in Battle Ground that is home to two horses.

Circle R Ranch was recognized as a Small Acreage model property in 2007 for efforts made to protect water quality and natural resources by composting and covering manure properly, controlling runoff to reduce mud, and providing wildlife habitat.

The tour will be held Saturday, Sept. 12, from 10 a.m. to noon. Participants will have the opportunity to learn about equine farm design, discuss manure management, learn about functional winter paddock designs, and gain knowledge about living with wildlife.

"These landowners took the 2006 Living On the Land course, which helped them better manage their land while practicing stew-



CONTRIBUTED PHOTO

WSU Clark County Extension's Small Acreage Program invites participants to tour Circle R Ranch, a local small acreage property in Battle Ground that is home to two horses.

ardship," said Eric Lambert, Small Acreage program coordinator.

The Small Acreage Program, co-sponsored by WSU Clark County Extension and Clark County Environmental Services

Clean Water Program, will lead the tour with the landowners.

"Farm tours allow people to hear from the landowners how they deal with land management issues on a practical basis," said

Director Doug Stienbarger.

Registration, \$10 per person, can be completed by visiting [www.brownpapertickets.com/event/2074593](http://www.brownpapertickets.com/event/2074593) or calling 360-397-6060, Ext. 5729.



## OTHER PUBLICITY

The Reflector  
September 9, 2015  
p.C2-C3

# Small Acreage equine farm tour set

*Battle Ground ranch  
to be featured on  
September 12*

BATTLE GROUND – WSU Clark County Extension's Small Acreage Program invites participants to tour, Circle R Ranch, a local small acreage property in

Battle Ground that is home to two horses.

Circle R Ranch was recognized as a Small Acreage model property in 2007 for efforts made to protect water quality and natural resources by composting and covering manure properly, controlling runoff to reduce mud, and providing wildlife habitat.

Tour participants will have the opportunity to learn about equine farm design, discuss manure management, learn about functional winter paddock designs, and gain knowledge about living with wildlife.

Eric Lambert, Small Acreage Program coordinator, said, "These landowners took the 2006 Living On the Land course which helped them better manage their land while practicing stewardship."

The Small Acreage Program, co-sponsored by WSU Clark

See **FARM TOUR** on Page C3

### AT A GLANCE

## Circle R Ranch Tour

**Sat., Sept. 12 – 10  
a.m.-noon**

Battle Ground

Call (360)397-6060,  
ext. 5729 to register,  
get directions or more  
information

## Farm Tour

*Continued from page C2*

County Extension and Clark County Environmental Services Clean Water Program, will lead the tour with the landowners.

Doug Stienbarger, director, said, "Farm tours allow people to hear from their landowners how they deal with land man-

agement issues on a practical basis."

"These Small Acreage tours provide a great opportunity for landowners to get ideas for making improvements on their own properties," stated Don Benton, Environmental Services director.

Registration is \$10, and tour size is limited, visit [www.brownpapertickets.com/event/2074593](http://www.brownpapertickets.com/event/2074593) or call (360) 397-6060, ext. 5729 to register, get directions to the property, and for more information.

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## Appendix G: Evaluations and Surveys

LOL IMPACT SURVEY

LOL PRE-CLASS SURVEY

LOL INDIVIDUAL CLASS EVALUATION

LOL CLASS SERIES EVALUATION

WELL & SEPTIC WORKSHOP EVALUATION

BMP WORKSHOP EVALUATION

PROPERTY TOUR EVALUATION

WORKSHOP & TOUR IMPACT SURVEY

# LOL IMPACT SURVEY

## Living on the Land (LOL) Participant Survey

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

First name \_\_\_\_\_ Last name \_\_\_\_\_

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

	<i>Strongly Disagree</i>	<i>Some- what Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Some- what Agree</i>	<i>Strongly Agree</i>	<i>Don't Know / Unsure</i>
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.)**

Please select your response:			<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))



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## LOL Pre-Class Survey

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

September 3 through November 19, 2015

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

Name(s): \* \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\* \_\_\_\_\_

Phone Number: \* \_\_\_\_\_

Email Address: \* \_\_\_\_\_

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

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

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

---

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

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

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 \_\_\_\_\_

# Living On the Land Class Evaluation – M1L1

Small Acreage Program  
September 3<sup>rd</sup>, 2015

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

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

What was the most informative part of this lesson?

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

More:

Less:

Which part was too technical or too easy and why?

Too technical:

Too easy:

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

## LOL Class Series Evaluation

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

**Please rate the entire twelve week program.**

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

*Please circle your answer.*

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

**Please explain why you rated any category below average:**

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

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

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

---

Would you recommend this program to neighbors or friends?

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

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

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

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

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

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

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

Other Comments:

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



## Well & Septic Workshop Evaluation

### Well & Septic Workshop Evaluation/Assessment Form September, 17 2015

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

*(Please circle your responses)*

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

#### ***Program evaluation***

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

Was the septic inspection component sufficient? Yes ☐ No ☐

Was this program understandable? Yes ☐ No ☐

Did the program answer your questions? Yes ☐ No ☐

Was this program worth your time to attend? Yes ☐ No ☐

What did you like best about the program?

---



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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

Workshop Evaluation

# Pasture Establishment & Renovation Workshop Evaluation

Small Acreage Program

September 24, 2015

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

<b>Please rate your knowledge of the following topic areas for both before and after you participated in the workshop.</b> (Please circle your responses)						
		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
	Before...	1	2	3	4	5
Methods for renovating/reseeding pastures	After...	1	2	3	4	5
	Before...	1	2	3	4	5
How grass life cycle impacts pasture management practices during fall and winter	After...	1	2	3	4	5
	Before...	1	2	3	4	5
Common grass/legume species for Western WA pastures	After...	1	2	3	4	5
	Before...	1	2	3	4	5
How pasture management practices impact water quality	After...	1	2	3	4	5
What overall score would you give this workshop?		1	2	3	4	5
<b><i>Workshop evaluation</i></b>						
Do you intend to use any of the information provided?				Yes	No	
Did you learn something new or how to do others differently?				Yes	No	

What was the most informative part of this workshop?

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

Less time on?

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

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

---

## Property Tour Evaluation

# WSU Clark County Extension – Small Acreage Program Columbia Gorge Horse Stable May 13, 2015

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

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

<i>(Please circle your responses)</i>		<i>Poor</i>	<i>Fair</i>	<i>Average</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 manage runoff and control mud.	Before...	1	2	3	4	5
	After...	1	2	3	4	5
How management practices impact water quality.	Before...	1	2	3	4	5
	After...	1	2	3	4	5
What overall score would you give this tour?		1	2	3	4	5

---

### ***Tour evaluation***

---

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

---

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?

---

## Workshop & Tour Impact Survey

### BMP Workshop

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

First name \_\_\_\_\_ Last Name \_\_\_\_\_

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

☐ Friends ☐ Family ☐ Neighbors ☐ Coworkers

☐ Other (please list) \_\_\_\_\_ ☐ Other (please list) \_\_\_\_\_

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

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

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