

Curriculum Vitae
Leticia Varelas Henderson
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EDUCATION AND EMPLOYMENT

| <u>Degree</u> | <u>Major</u> | <u>Institution</u> | <u>Year</u> |
|---------------|------------------------|-----------------------------|-------------|
| M.S. | Agricultural Economics | New Mexico State University | 2012 |
| B.S. | Agricultural Business | New Mexico State University | 2010 |

| <u>Position</u> | <u>Employer</u> | <u>Dates</u> |
|---|-----------------------------|----------------|
| Assistant Lecturer | University of Wyoming | 2019 - Present |
| Extension Livestock & Rangeland Scientist | Oregon State University | 2015 – 2019 |
| Graduate Student Researcher | University of Wyoming | 2012 – 2015 |
| Graduate Student Researcher | New Mexico State University | 2010 – 2012 |

TEACHING

1. AGEC 2020: Farm and Ranch Business Management (4 credits)
 - Spring 2020 (49 students)
 - Fall 2020 (28 students)
 - Spring 2021 (23 students)
 - Fall 2021 (27 students)

2. AGEC 2040: Excel Applications in Agribusiness Management (3 credits)
 - Fall 2020 (23 students)
 - Spring 2021 (19 students)
 - Fall 2021 (23 students)

3. AGEC 4640: Advanced Farm and Ranch Management (3 credits)
 - Fall 2020 (31 students)
 - Fall 2021 (18 students)

Summary of Student Evaluations

| Course | Semester | N | Median Rating (Q1 - Q11: 1 = Strongly agree, 5 = Strongly Disagree; Q12 - Q14 see below) | | | | | | | | | | | | | |
|-----------|-------------|-------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | Survey Questions | | | | | | | | | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| AGEC 2020 | Spring 2020 | 27/50 | 1.85 | 1.85 | 2.04 | 1.67 | 2.33 | 1.89 | 1.56 | 1.11 | 1.48 | 1.19 | 1.63 | 2.26 | 1.52 | 2.33 |
| AGEC 2020 | Fall 2020 | 2/28 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.50 |
| AGEC 2020 | Spring 2021 | 13/23 | 1 | 1.23 | 1.15 | 1.23 | 1.38 | 1.15 | 1 | 1 | 1 | 1.08 | 1.31 | 1.23 | 1.23 | 1.38 |
| AGEC 2020 | Fall 2021 | 22/27 | 1.73 | 1.91 | 2.27 | 1.68 | 2.27 | 2.5 | 1.73 | 1.27 | * | 1.23 | 1.77 | 2.09 | 1.36 | 2.18 |
| AGEC 2040 | Fall 2020 | 5/23 | 1.80 | 1.60 | 1.60 | 1.20 | 1.60 | 1.80 | 1.60 | 1.40 | 1.60 | 1.40 | 1.40 | 1.60 | 1.20 | 1.40 |
| AGEC 2040 | Spring 2021 | 8/19 | 1.25 | 1.13 | 1.50 | 1.38 | 1.38 | 1.38 | 1.25 | 1.13 | 1.13 | 1.13 | 1.13 | 1.25 | 1.13 | 1.38 |
| AGEC 2040 | Fall 2021 | 13/23 | 1.31 | 1.62 | 1.54 | 1.38 | 1.85 | 1.54 | 1.46 | 1.31 | * | 1.23 | 1.69 | 1.92 | 1.46 | 2.00 |
| AGEC 4640 | Fall 2020 | 9/28 | 1.89 | 2.44 | 2.22 | 2.11 | 2.11 | 1.56 | 1.56 | 1.22 | 1.56 | 1.38 | 1.78 | 2.44 | 1.78 | 2.78 |
| AGEC 4640 | Fall 2021 | 14/18 | 1.93 | 2.14 | 2.36 | 1.57 | 1.93 | 1.64 | 1.64 | 1.29 | * | 1.29 | 1.79 | 2.36 | 1.57 | 2.29 |

- 1= Course objectives were presented clearly
- 2= Assignments were clear and carefully prepared
- 3= Lecture and course materials were organized and well prepared
- 4= Instructor shows high degree of familiarity with course material and subject matter
- 5= Instructor expressed ideas clearly with well-chosen words and illustrations
- 6 = Tests and quizzes accurately represent content taught in course.

7= Grades given were fair and impartial

8= Instructor was willing to help when asked

9 = Instruct speaks clearly *Question discontinued in Fall 2021*

10 = Instructor is enthusiastic about teaching this course

11 = Instructor has stimulated my thinking

12 = How does this instructor rank with other University of Wyoming instructors you have had in previous semesters? (1 = very high, 5 = very low)

13 = How much did you learn from this course? (1 = substantial amount, 3 = very little)

14 = How does this course rank with other courses you have taken in previous semesters at the Univeristy of Wyoming? (1= very high, 5 = very low)

EXTENSION ACTIVITIES

i. Teaching Events

1. **Henderson, L.V.** 2019. GIS technology uses in agriculture. *In:* OSU Summer Academy. **Invited.** Union, OR. July 15, 2019. [14 participants].
2. **Henderson, L.V.** 2019. Ag and natural resource commodities. *In:* Baker County Field to Fork. Baker City, OR. May 13, 2019- May 14, 2018. [210 participants].
3. **Henderson, L.V.** 2019. Public lands grazing. *In:* AGRI299. **Invited.** La Grande, OR. April 9, 2017. [12 participants].
4. **Henderson, L.V.** 2019. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. Enterprise, OR. February 21, 2019. [8 participants].
5. **Henderson, L.V.** 2019. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. La Grande, OR. February 20, 2019. [13 participants].
6. **Henderson, L.V.** 2019. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. Baker City, OR. February 19, 2019. [5 participants].
7. **Henderson, L.V.** 2019. Cow size and efficiency. *In:* Eastern Washington Ag Expo. **Invited.** January 8, 2019. [35 participants].
8. **Henderson, L.V.** Aripse, S.A. and McGrego, I. 2018. Beef Quality Assurance-Management. *In:* Beef Quality Assurance Training. December 18, 2018. [10 participants].
9. **Henderson, L.V.** and Riggs, W. 2018. Estimating economic impacts of agriculture. **Invited.** *In:* The REAL Oregon. Ontario, OR. November 6, 2018. [30 participants].
10. **Henderson, L.V.** 2018. Cow size and efficiency. *In:* 2018 OSU Beef Industry Tour. Pendleton, OR; Prineville, OR; Roseburg, OR; Corvallis, OR. October 22-October 25. [45 participants]
11. **Henderson, L.V.** 2018. Pre-weaning nutrition in the beef herd. *In:* Union County Cattlemen October Meeting. **Invited.** La Grande, OR. October 1, 2018. [15 participants].
12. **Henderson, L.V.** 2018. Understanding cow size and efficiency in a rangeland environment. *In:* Grassfed meats school. **Invited.** Webex. September 18, 2018. [15 participants].
13. **Henderson, L.V.** 2018. GIS technology uses in agriculture. *In:* OSU Summer Academy. **Invited.** Union, OR. July 16, 2018. [12 participants].
14. **Henderson, L.V.** 2018. Technology examples in agriculture. *In:* Union County Crop Tour. **Invited.** La Grande, OR. June 26, 2018. [150 participants].
15. **Henderson, L.V.** 2018. Cow size and efficiency. *In:* Western Section American Society of Animal Science Beef Symposium. **Invited.** Bend, OR. June 19, 2018. [90 participants].
16. **Henderson, L.V.** 2018. GIS uses in ranch management. *In:* On the Farm STEM. **Invited.** Pendleton, OR. May 24, 2018. [45 participants].

17. **Henderson, L.V.** 2018. Ag and natural resource commodities. *In: Baker County Field to Fork. Invited.* Baker City, OR. May 7, 2018- May 8, 2018. [176 participants].
18. **Henderson, L.V.** 2018. Post-calving livestock nutrition & nighttime feeding. *In: Union County Cattlemen April meeting. Invited.* La Grande, OR. April 3, 2016. [25 participants].
19. **Henderson, L.V.** 2018. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* Enterprise, OR. February 22, 2018. [11 participants].
20. **Henderson, L.V.** 2018. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* La Grande, OR. February 21, 2018. [16 participants].
21. **Henderson, L.V.** 2018. Pesticide math. *In: Pesticide applicator pre-exam training.* La Grande, OR. February 21, 2018. [16 participants].
22. **Henderson, L.V.** 2018. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* Baker City, OR. February 20, 2018. [6 participants].
23. **Henderson, L.V.** 2018. Pesticide math. *In: Pesticide applicator pre-exam training.* Baker City, OR. February 20, 2018. [6 participants].
24. **Henderson, L.V.** 2018. Market beef nutrition. Baker City, OR. February 19, 2018. [24 participants].
25. **Henderson, L.V.** 2018. Market beef nutrition. La Grande, OR. January 29, 2018. [20 participants].
26. **Henderson, L.V.** 2017. OSU livestock extension program sample. *In: AGRI299. Invited.* La Grande, OR. October 9, 2017. [15 participants].
27. **Henderson, L.V.** 2017. GIS technology uses in agriculture. *In: OSU Summer Academy. Invited.* Union, OR. July 16, 2018. [13 participants].
28. **Henderson, L.V.** 2017. Range livestock economic projects. *In: Union County Crop Tour. Invited.* La Grande, OR. June 21, 2017. [150 participants].
29. **Henderson, L.V.** 2017. Implementing Annie's Project in Oregon. *In: Oregon Cattle Women's mid-year meeting. Invited.* Pendleton, OR. June 1, 2017. [35 participants].
30. **Henderson, L.V.** 2017. Management using GIS skills. *In: Oregon Cattlemen's mid-year meeting. Invited.* Pendleton, OR. June 1, 2017. [25 participants].
31. **Henderson, L.V.** 2017. Influence of cow size on production. *In: Oregon Cattlemen's mid-year meeting. Invited.* Pendleton, OR. June 1, 2017. [25 participants].
32. **Henderson, L.V.** 2017. Baker & Union County livestock extension program. *In: Graduate student seminar. Invited.* Corvallis, OR. May 22, 2017. [9 participants].
33. **Henderson, L.V.** 2017. Ag and natural resource commodities. *In: Baker County Field to Fork. Invited.* Baker City, OR. May 9, 2018- May 10, 2018. [170 participants].
34. **Henderson, L.V.** 2017. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* Enterprise, OR. February 23, 2018. [11 participants].
35. **Henderson, L.V.** 2017. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* La Grande, OR. February 22, 2017. [15 participants].
36. **Henderson, L.V.** 2017. Pesticide math. *In: Pesticide applicator pre-exam training.* La Grande, OR. February 22, 2017. [15 participants].
37. **Henderson, L.V.** 2017. Pesticide laws & regulations. *In: Pesticide applicator pre-exam training.* Baker City, OR. February 21, 2017. [15 participants].

38. **Henderson, L.V.** 2017. Pesticide math. *In:* Pesticide applicator pre-exam training. Baker City, OR. February 21, 2017. [15 participants].
39. **Henderson, L.V.** 2017. Calf scour prevention. *In:* Union County Cattlemen February meeting. **Invited.** La Grande, OR. February 6, 2017. [16 present].
40. **Henderson, L.V.** 2017. Influence of cow size on production. *In:* Focus on the Beef Cow Workshop. Baker City, OR. January 5, 2017. [23 participants].
41. **Henderson, L.V.** 2016. Plant identification. *In:* Baker Summer Academy. **Invited.** Baker City, OR. August 2, 2016. [24 participants].
42. **Henderson, L.V.** 2016. Ruminant nutrition. *In:* Baker Summer Academy. **Invited.** Baker City, OR. July 19, 2016. [21 participants].
43. **Henderson, L.V.** 2016. Plant identification. *In:* *Tri-county 4-H camp.* **Invited.** La Grande, OR. July 13, 2016. [110 participants].
44. **Henderson, L.V.** 2016. Basics of agriculture production. *In:* Baker Summer Academy. **Invited.** Baker City, OR. July 5, 2016. [21 participants].
45. **Henderson, L.V.** 2016. Ag and natural resource commodities. *In:* Baker County Field to Fork. **Invited.** Baker City, OR. May 3, 2016-May4, 2016. [220 participants].
46. **Henderson, L.V.** 2016. Career opportunities in agriculture. *In:* Middle school career day. **Invited.** Baker City, OR. April 13, 2016. [20 participants].
47. **Henderson, L.V.** 2016. Market beef nutrition. *In:* Good Shepherds club meeting. **Invited.** Baker City, OR. March 22, 2016. [11 participants].
48. **Henderson, L.V.** 2016. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. Enterprise, OR. February 11, 2016. [9 participants].
49. **Henderson, L.V.** 2016. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. La Grande, OR. February 10, 2016. [18 participants].
50. **Henderson, L.V.** 2016. Pesticide laws & regulations. *In:* Pesticide applicator pre-exam training. Baker City, OR. February 9, 2016. [21 participants].
51. **Henderson, L.V.** 2016. Pre-calving nutrition. *In:* Union County Cattlemen February Meeting. **Invited.** La Grande, OR. February 1, 2016. [26 participants].
52. **Henderson, L.V.** 2016. 4-H market beef nutrition. *In:* Pocowing club meeting. **Invited.** Baker City, OR. January 4, 2016. [22 participants].
53. **Henderson, L.V.** 2015. Cattle reproduction and genetic management. *In:* OSU Beef Industry Tour. Baker City, OR. December 7, 2015. [28 participants].
54. **Henderson, L.V.** 2015. Current issues in the beef industry. *In:* Baker County Livestock Association Annual meeting. **Invited.** October 17, 2015. [30 participants].

ii. Workshops Organized

1. **NE OR Cow-Calf Enterprise Budgets.** Host/Organizer. We are currently working to update enterprise budgets for cow-calf operations in NE Oregon. I organized and hosted a meeting at the Eastern Oregon Ag Research Center in Union, OR to visit with local ranchers about production practices in the area. Union, OR. April 22, 2019. [8 participants].
2. **Conservation Strategies on a Landscape with Wolves.** Host. The Oregon Department of Fish and Wildlife sponsored a workshop that taught ranchers how to manage cattle in areas where wolves are

present. My role was to advertise, handle registration (via Ideal-Logic and phone calls) and manage the event center. Baker City, OR. January 9, 2019. [60 participants].

3. **2019 Cattlemen's Workshop.** Co-organizer. Collaborated with OSU faculty and industry partners to organize the 2019 Cattlemen's Workshop. La Grande, OR. January 19, 2019. [200+ participants].
4. **2018 Beef Industry Tour.** Co-organizer and presenter. Collaborated with David Bohnert to develop a 3 hour workshop with the topic "Focus on the Beef Cow." We invited speakers from out of state (Benton Glaze, University of Idaho and John Ritten, University of Wyoming). We coordinated with local field faculty Chris Schachtschneider, Scott Duggan, Shelby Filley, Cassie Bouska and Jenifer Cruikshank to host the workshop in 4 different locations. Pendleton, OR; Prineville, OR; Roseburg, OR; and Corvallis, OR. October 22-25. [45 participants].
5. **NE Oregon pre-exam pesticide applicator training.** Co-organizer and presenter. Collaborated with other OSU ag agents (Darrin Walenta and John Williams) to deliver a full day workshop preparing participants for the Oregon Private Pesticide Applicator's Exam. Gave a 50 minute talk on pesticide math and a 50 minute talk on Oregon pesticide laws and regulations. Baker City, OR; La Grande, OR; Enterprise, OR. February 20, 2018 - February 22, 2018. [33 participants].
6. **Zinc-phosphide applicator training.** Organizer. Hosted Laurie Gordon, Oregon Department of Agriculture, to give a training on how to use zinc phosphide (ZP) concentrate to control the Belding ground squirrel. Currently, ZP concentrate is listed under a special local needs label which requires applicators to be trained specifically for its use. Baker City, OR. February 8, 2018. [4 participants].
7. **Beef Quality Assurance training.** Organizer. Invited Dr. Sergio Arispe to provide training for certification of cow/calf operators in beef quality assurance. Baker City, OR. January 23, 2018. [3 participants].
8. **Medusahead treatment tour.** Organizer. Coordinated with local rancher and land owner, Kent Justus, to host a tour of his private property to show the effectiveness of his herbicide and seeding treatment on sites historically dominated by medusahead. Baker City, OR. May 29, 2017. [4 participants].
9. **Annie's Project facilitator training.** Host, Organizer and Participant. Invited and organized a training to certify facilitators in Oregon to offer Annie's Project courses. Baker City, OR. May 9, 2017 - May 10, 2017. [5 participants].
10. **Grasshopper response workshop for pasture and rangelands.** Organizer. Invited Paul Blom, ODA Entomologist, to discuss the importance of early intervention in the management of grasshoppers. Baker City, OR. March 23, 2017. [1 participant].
11. **The future of Sage-grouse in Baker County meeting.** Co-organizer. Held a public information meeting to discuss efforts of sage-grouse population management in Baker County. Collaborated with several agencies. Baker City, OR. March 9, 2017. [25 participants].
12. **Worker protection standard training.** Host. Hosted worker protection standard training via poly-com that offered 2 recertification credits. Baker City, OR. February 28, 2017. [5 participants].
13. **NE Oregon pre-exam pesticide applicator training.** Co-organizer and presenter. Collaborated with other OSU ag agents (Darrin Walenta and John Williams) to deliver a full day workshop preparing participants for the Oregon Private Pesticide Applicator's Exam. Gave a 50-minute talk on pesticide math and a 50-minute talk on Oregon pesticide laws and regulations. Baker City, OR; La Grande, OR; Enterprise, OR. February 21, 2017 -23, 2017. [41 participants].
14. **Focus on the beef cow workshop.** Host. Hosted researchers from the University of Wyoming in Baker City, OR to give a workshop that emphasized cow nutrition, range management, and financial statements. Presented a 40-minute presentation on Cow Size and Efficiency. January 5, 2017. [23 participants].

15. **NE Oregon pre-exam pesticide applicator training.** Co-organizer and presenter. Collaborated with other OSU ag agents (Darrin Walenta and John Williams) to deliver a full day workshop preparing participants for the Oregon Private Pesticide Applicator's Exam. Gave a 50-minute talk on Oregon pesticide laws and regulations. Baker City, OR; La Grande, OR; Enterprise, OR. February 9, 2016 - February 11, 2016. [33 participants].
16. **Ranch planning workshop.** Host. Facilitated a workshop where three other OSU extension faculty members (Dr. David Bohnert, Dustin Johnson and Dr. Sergio Arispe) presented Excel-based tools that could help ranch managers make better decisions. Tools included the Across Breed EPD Calculator, The OSU CowCulator and a Range Management Grazing tool. December 21, 2015. La Grande, OR. [3 participants].

SCHOLARSHIP AND CREATIVE ACTIVITY

i. Refereed Journal Articles

1. Scasta, J.D., D.L. Lalman, and **L. Henderson**. 2016. Drought mitigation for grazing operations: matching the animal to the environment. *Rangelands*, 38 (4), 204-210.
Role: Provided discussion on economic implications, summarized and edited
2. Stephenson, M.B., D.W. Bailey, L.D. Howery, and **L. Henderson**. 2016. Efficacy of low-stress herding and low-moisture block supplementation to target cattle grazing locations on New Mexico rangelands. 2016. *Journal of Arid Environments*, 130 (2016): 84-93.
Role: Provided economic analysis content and edited
3. Bruegger, R.A., **L.A. Varelas**, L.D. Howery, L.A. Torell, M.B. Stephenson, and D.W. Bailey. 2016. Targeted grazing in southern Arizona: using cattle to reduce fine fuel loads. *Rangeland Ecology and Management*, 69 (1): 43-51.
Role: Provided economic analysis content and edited
4. Scasta, J.D., **L. Henderson**, and T. Smith. 2015. Drought effect on weaning weight and efficiency relative to cow size in semiarid rangeland. *Journal of Animal Science*, 93 (12), 5829-5839.
Role: Collected data on calves and cows, assisted economic analysis content and edited

ii. Extension Publications

1. Andrews, S.B, Walenta, D.L., Sullivan, C., **Henderson, L.V.**, and Brewer, L.J. 2017. Analytical laboratories serving Oregon. EM8677. *Completed*.
Role: Call assigned labs to confirm contact information and services, develop lab questionnaire
2. Deboodt, T, Oester, P., and **Henderson L.V.** Ecology and management of eastern Oregon forests in Managing forest forage values. *Submitted, in review*.
Role: Provided economic analysis, revised previous version
3. Duggan, S. and **Henderson, L.V.** Beef Cow-Calf Management Guide. *In preparation*.
Role: Revise content and update information
4. Duggan, S. and **Henderson, L.V.** Sheep supplements and supplementation strategies in OSU sheep nutrition workbook. *In preparation*.
Role: Provided new content in regards to supplementation of minerals and economic analysis

iii. Non-Peer-Reviewed

1. **Henderson, L.V.** 2016. Economic evaluation of range improvements. *In: Oregon Beef Producer. Oregon Cattlemen's Association, September 2016*.
Role: Wrote article
2. **Henderson, L.V.** 2015. Cow size and efficiency. *In: Oregon Beef Producer. Oregon Cattlemen's Association, November 2015*.

Role: Wrote article

iv. Presentations to Peers

1. **Henderson, L.V.** 2019. Basics of enterprise budgets. *In: Oregon Agriculture Extension Agent Annual Meeting. Invited.* Bandon, OR. April 4, 2019. [22 participants].
2. **Henderson, L.V.** Program success and challenges. *In: New faculty orientation. Invited.* WebEx. May 2, 2018.
3. **Henderson, L.V.** Influence of cow size on livestock production. *In: OAEA Spring Conference.* Fossil, OR. April 12, 2017.
4. Villegas, V. and **Henderson, L.V.** OSU Google Apps and Box for Virtual Collaboration. *In: OSUEA Extension Annual Conference.* Corvallis, OR. November 14, 2016.

PROFESSIONAL MEMBERSHIP

1. North American Colleges and Teachers of Agriculture (NACTA); Member 2019 - Present
2. Baker County Livestock Association. 2017
3. Oregon Agricultural Extension Association; 2015-2019
4. National Association of County Agricultural Agents; 2015-2019
5. Oregon Cattlemen's Association; 2016-2019; associate member
6. Society for Range Management; 2011-2019

SERVICE

1. Eastern Oregon Ag Research Center-Union Advisory Council; 2018-2019
2. OSU liaison to the Livestock Market Information Center (LMIC); 2018-2019
3. OSU liaison to the Rangeland Partnership; 2017-2019
4. Cattlemen's Workshop Planning Committee; 2016-2019
5. Baker County Cattle Women Grid Iron Fundraiser; 2016-2019
6. Tri-County Wool Pool Coordinator; 2016-2019
7. Search committee for Umatilla/Morrow County Livestock & Rangeland Professor of Practice; 2016

AWARDS

1. "Silver Award" for Long Publication category with Association of Natural Resource Extension Professionals. 2019.
2. The National Association of County Agricultural Agents. Communications Award: Learning Module or Notebook-Regional Finalist. 2017