**Nicole P. Anderson**

Abbreviated Curriculum Vitae

**Education**

Ph.D. Crop Science (in progress) Oregon State University 2018 - Present

M.S. Environmental Science Washington State University 2006

B.S. Biology Xavier University 2003

**Recent Publications:** Author or coauthor of 64 scientific, technical, and Extension publications.

Mueller-Warrant, G.W., C.S. Sullivan, N.P. Anderson, and G.W. Whittaker. 2016. Detecting and Correcting Logically Inconsistent Crop Rotations and other Land Use Sequences. Int J Remote Sens. (in press)

Alderman, S.C., R.C. Martin, B.S. Gilmore, G.D. Hoffman, C.S. Sullivan, and N.P. Anderson. 2016. First report of *Cocksfoot Mottle Virus* Infecting *Dactylis Glomerata* in Oregon. Plant Dis. (in press)

Roerig, K.C., N.P. Anderson, A.G. Hulting, D.W. Curtis, and C.A. Mallory-Smith. 2016. Evaluation of Asulam and 2,4-DB Crop Safety and Dock Control in Red Clover Grown for Seed. *In* Anderson, et al (ed.) 2015 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 152: 1-2.

Morad, M., T.G. Chastain, N.P. Anderson, and C.J. Garbacik. 2016. Trinexapac-ethyl Timing and Rate Effects on Crimson Clover Seed Yield. *In* Anderson, et al (ed.) 2015 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 152: 3-5.

Bushman, B.S. N.P. Anderson, J. Robins, D. Singh, R. Lamp, B. Schroeder, and P. Boren. 2016. Searching for Genetic Tolerance to Choke in Orchardgrass Germplasm. *In* Anderson, et al (ed.) 2015 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 152: 6-7.

Anderson, N.P. T.G. Chastain, and C.J. Garbacik. 2016. Enhancing Fertilizer Efficiency in Perennial Ryegrass Seed Crops With Urease Inhibitors. *In* Anderson, Anderson, et al (ed.) 2015 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 152: 12-14.

Mueller-Warrant, G.W., N.P. Anderson, C.S. Sullivan, G.W. Wittaker, and K.M. Trippe. 2016. Spatial Variability of Slugs on Perennial Ryegrass Stand Establishment: Second-year Results. *In* Anderson, et al (ed.) 2015 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 152: 18-22.

N.P. Anderson, T.G. Chastain, and C.J. Garbacik. 2016. Irrigation and Trinexapac-ethyl Effects on Seed Yield in First-and Second-year Red Clover Stands. Agron J. 108(3): 1-8.

Hayes L.E., K.A. Sackett, N.P. Anderson, M.D. Flowers, and C.C. Mundt. 2016. Evidence of Selection for Fungicide Resistance in Zymoseptoria tritici Population on Wheat in Western Oregon. Plant Dis. 100(2): 483-489

Anderson N.P., D.P. Monks, T.G. Chastain, M.P. Rolston, C.G. Garbacik, Chun-hui Ma, and C.W. Bell. 2015. Trinexapac-ethyl Effects on Red Clover Seed Crops in Diverse Production Environments. Agron J. 107(3): 951-956.

Estep, L.K., S.F.F. Torriani, M. Zala, N.P. Anderson, M.D. Flowers, B.A. McDonald, C.C. Mundt and P.C. Brunner. 2015. Emergence and Early Evolution of Fungicide Resistance in North American Populations of Zymoseptoria tritici. Plant Path. 64:961-971.

Mueller-Warrant, G.W., N.P. Anderson, C.S. Sullivan, G.W. Whittaker, and K.M. Trippe. 2015. Can Knowledge of Spatial Variability in Slugs Help Improve Stand Establishment? 2014. *In* Anderson, et al (ed.) 2014 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 151: 4-13.

Anderson, N.P., T.G. Chastain and C.G. Garbacik. 2014. Effect of Strobilurin Fungicides Applied at Two Timings on Seed Yield in Tall Fescue. Crop Management. 13(1) Online.

Anderson, N.P., T.G. Chastain, J.M. Hart, W.C. Young III, and N.W. Christensen. 2014. Tall Fescue Grown for Seed Nutrient Management Guide – Western Oregon. EM 9099-E, Oregon State University.

Anderson, N.P. and A.G. Hulting. Assessment of Weed Species Problematic in Conditioning of Clover Seed in Western Oregon. 2014. *In* Anderson, et al (ed.) 2013 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 150: 12-13.

Anderson, N.P. C.J. Garbacik, T.G. Chastain and S.G. Elias. Boron Effects on Red Clover Seed Production and Quality. 2014. *In* Anderson, et al (ed.) 2013 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 150: 9-11.

Duangporn, A. S.G. Elias, T.G. Chastain, N.P. Anderson and C.J. Garbacik. 2014. Effect of Irrigation and Plant Growth Regulators on Physiological Maturity and Seed Quality of Red Clover. *In* Anderson, et al (ed.) 2013 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 150: 4-8.

Hart, J.M., D.M. Sullivan, N.P. Anderson, A.G. Hulting, D.A. Horneck, and N.W. Christensen. 2013. Soil Acidity in Oregon: Understanding and Using Concepts for Crop Production. EM 9061, Oregon State University.

Anderson, N.P., J.M. Hart, D.M Sullivan, N.W. Christensen, D.A. Horneck, and G.J. Pirelli. 2013. Applying Lime to Raise Soil pH for Crop Production (Western Oregon). EM 9057. Oregon State University.

Estep, L.K., M. Zala, N.P. Anderson, K.A. Sackett, M.D. Flowers, B.A. McDonald and C.C. Mundt. 2013. First Report of Resistance to QoI Fungicides in North American Populations of Zymoseptoria tritici, Causal Agent of Septoria tritici Blotch of Wheat. Plant Dis. 97(11): 1511.

Anderson, N.P., G.D. Hoffman and A.J. Dreves. 2013. Effectiveness of Iron Chelate Molluscide Baits for Control of Gray Field Slugs (*Deroceras Reticulatum* M.*)* in Grass and Clover

 Seed Crops in Oregon. J of the National Association of County Agricultural Agents. 6(2): Online.

Chastain, T.G., N.P. Anderson, and C.J.Garbacik. 2013. Irrigation and PGR Effects on Red Clover Seed Production. *In* Hulting, et al (ed.) 2012 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 132: 10-13.

Hart, J.M, N.P. Anderson, A.G. Hulting, M.E. Mellbye, W.C. Young III, T.G. Chastain, and T.B. Silberstein. 2012. Postharvest Residue Management for Grass Seed Production in Western Oregon. EM 9051.

Anderson, N.P. 2012. Evaluation of Ferroxx Slug Bait for Control of Gray Field Slugs in Western Oregon. *In* Young III, W.C. (ed.) 2011 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 131: 8-9.

Rao, S. A.R. Corkery, N.P. Anderson, and G.C. Fisher. 2012. Evaluation of Insecticides for Management of Clover Crown Borer in Red Clover Seed Production in the Willamette Valley. *In* Young III, W.C. (ed.) 2011 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 131: 13-14.

Anderson, N.P., T.G. Chastain, C.J. Garbacik, and T.B. Silberstein. 2012. Effect of Foliar Applications of Trinexapac-ethyl Plant Growth Regulator on Red Clover Seed Crops. *Forage Seed News* 19:3*.* Manitoba Seed Growers Association.

Silberstein, T.B. and N.P. Anderson. 2011. Using Seed Moisture as a Harvest Management Tool. EM 9030, Oregon State University.

Hart, J.M., M.D. Flowers, N.P. Anderson, R.J. Roseburg, N.W. Christensen, and M.E. Mellbye. 2011. Soft White Winter Wheat Nutrient Management Guide (Western Oregon). EM 8963, Oregon State University.

Anderson, N.P., S. Rao, and A.V. Derkatch. 2011. Native Bumble Bee Diversity, Abundance, and Pollination in Crimson Clover and Hairy Vetch Seed Production Fields in Western Oregon. *In* Young III, W.C. (ed.) 2010 Seed Production Research Report at Oregon State University, USDA-ARS Cooperating. Department of Crop and Soil Science Ext/CrS 130: 8-10.

Anderson, N.P., J.M. Hart, D.A. Horneck, D.M. Sullivan, N.W. Christensen, and G.J. Pirelli. 2010. Evaluating Soil Nutrients and pH by Depth in Situations of Limited or No Tillage in Western Oregon. EM 9014, Oregon State University.

 Anderson, N.P., J.M. Hart, N.W. Christensen, M.E. Mellbye, and M.D. Flowers. 2010. Using the Nitrogen Mineralization Test to Predict Spring Fertilizer N Rates for Soft White Winter Wheat Grown in Western Oregon. EM 9020, Oregon State University.

Eleveld, B., T.B. Silberstein, N.P. Anderson, R.W. Siegel, and W.C. Young III. 2010. Enterprise Budget – Red Clover (Seed) Establishment and Production, Willamette Valley Region. AEB 0019. Oregon State University.

Eleveld, B., T.B. Silberstein, N.P. Anderson, R.W. Siegel, and W.C. Young III. 2010. Enterprise Budget – Crimson Clover (Seed) Establishment and Production, Willamette Valley Region. AEB 0020. Oregon State University.

Rao, S. and N.P. Anderson. 2010. Comparison of Bee Pollinator Abundance in Red Clover Seed Production Fields With and Without Honey Bee Hives in the Willamette Valley. *In* Young III, W.C. (ed.) 2009 Seed Production Research Report at Oregon State University, USDA- ARS Cooperating. Department of Crop and Soil Science Ext/CrS 129: 45-4.

**Funded Research Grants:**

Awarded federal, state, and private research grants totaling $538,500

**Outreach:**

Disseminate results of applied research projects to scientists, agricultural industry and grower practitioners, local, state and federal government agencies, professional societies, international clientele, and the general public. Development and use of website and social media platforms for rapid and widespread sharing of program activities. Presented scientific information and findings of research in over 120 presentations in both domestic and foreign locations. Interviewed or contributed written content for over 40 newspaper, magazine, radio, and television stories on various field crop production topics.

**Service:**

*Oregon State University*

Department of Crop and Soil Science Executive Board, 2014-present

Faculty Senator, 2015

Seed Certification Grass and Legume Advisory Committee, 2013 – present

Seed Conditioner Advisory Committee, 2015 - present

*Oregon Agricultural Extension Association*

President, 2015 – present

President Elect, 2014-2015

Vice President, 2013-2014

*International Herbage Seed Group*

Newsletter Co-editor, 2013 – present

Member Board of Directors, 2013-present

Program Moderator, Lanzhou China, 2015

Program Moderator, Pergamino Argentina, 2017

**Awards and Recognition:**

National Association of County Agricultural Agents – Achievement Award, 2016

American Society of Agronomy – Extension Education Community Publication Award of Excellence, 2015

National Association of County Agricultural Agents – Regional Winner for Extension Publication, 2014

Agri-Business Council of Oregon – Voice of the Grass Seed Industry Award, 2014

Tualatin Soil and Water Conservation District: Award of Excellence, 2012, 2011

Oregon State University Extension Association, Newer Faculty Award, 2012

American Society of Agronomy – Extension Education Community Website Award of Excellence, 2011

American Association of Geographers, Sustainable Development in Latin America Fellowship, 2006