

## Mark Kent Mullinix

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### Education

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- 2004 Ph.D. Plant Science. University of British Columbia, Vancouver, British Columbia, Canada.**  
Emphasis: Integrated pest management/sustainable perennial crop production systems.  
Dissertation Title: *Effect of cover crop on apple leafroller populations, leafroller parasitism and selected arthropods in an orchard managed without insecticides.*
- 1986 Ph.D. Agriculture Education. University of Missouri, Columbia, Missouri, USA.**  
Emphasis: Program/curriculum development.  
Dissertation Title: *Workshop approach and the implementation of a new curriculum in fruit and vegetable crop production.*
- 1980 M.S. Horticulture. University of Missouri, Columbia, Missouri, USA.**  
Emphasis: Temperate zone, perennial crop production.  
Thesis Title: *Effect of fungicide compatibility, rate and timing of Promalin on the 'typiness' of 'Red Delicious' apples.*
- 1976 B.S. Agriculture. University of Missouri, Columbia, Missouri, USA.**  
Major: Horticulture.  
Emphasis: Pomology and Olericulture.

### Professional Certification

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- 2008 Professional Agrologist.** British Columbia Institute of Agrologists. Victoria, British Columbia, Canada.

### Experience

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- 05/2009 - present - Director - Institute for Sustainable Food Systems, Kwantlen Polytechnic University, Surrey, British Columbia, Canada. Appointment 100% research.**

Engaged in research and extension programming to advance sustainable food systems. Created, and now lead, a multi-disciplinary team focused on the technical, social and environmental challenges associated with ecologically sound, human-intensive, regional scale, community-focused, food systems. Led the development of, and now oversee, the Richmond and Tsawwassen First Nation Farm Schools. Led the development and approval of a Bachelor of Applied Science - Sustainable Agriculture degree. Now engaged in its delivery, the development of a Research and Teaching Laboratory Farm, and leading development and implementation of a Sustainable Food Systems and Food Security graduate program of study.

## Experience (cont.)

**01/2012 - Adjunct Professor - Faculty of Land and Food Systems, University of British Columbia, present Vancouver, British Columbia, Canada.**

Appointment to facilitate and support collaborative research, graduate student supervision and contribution to the UBC teaching program.

**01/2010 - Associate Faculty - Royal Roads University, Victoria, British Columbia, Canada. present** Appointment to facilitate graduate student supervision.

**1/2007 - Research Associate. Institute for Sustainable Horticulture, Kwantlen Polytechnic 4/2009 University, Surrey, British Columbia, Canada.**

Led the development and implementation of *PlantHealthBC- Pest Management Accreditation*. This integrated pest management (IPM) education and certification program targeted the nursery crop production, golf course, municipal park, and landscape care sectors. The program objectives were to advance adoption of IPM philosophy and methods, reduce dependence on and use of pesticides, reduce risk of environmental/ human harm, and facilitate consumer identification and preferential patronage of accredited product and service providers. The program included practice standards, reporting/ monitoring/ assessment protocols, on-going improvement planning, education, certification, and promotional/ marketing components. Worked closely with the BC Nursery and Landscape Association and municipal governments throughout British Columbia.

**08/1997 - Joint Endowed Chair in Pomology/Associate Professor - Department of 1/2007 Horticulture and Landscape Architecture, Washington State University, Pullman, Washington, USA and Director - Agriculture Programs, Wenatchee Valley College, Wenatchee, Washington, USA. Appointment 50% teaching, 50% administration.**

Responsible for assessing educational needs and leading collaborative development and delivery of undergraduate and technical educational programming supporting Washington State's tree fruit industry. Led development of and provided oversight for the Washington State University B.S. Horticulture - Tree Fruit Management degree and the Wenatchee Valley College A.A.S. Organic and Sustainable Fruit Production degree (embedded within the B.S. Horticulture curriculum). Led the conceptualization and development of several continuing and workforce education programs including the Hispanic Orchard Employee Education Program, and Orchard Business Management Program. Development and oversight of a 45-acre laboratory orchard devoted to organic/sustainable deciduous tree fruit production systems research, teaching/ learning and demonstration.

**11/1992 - Adjunct Assistant Professor, Department of Horticulture and Landscape 10/1997 Architecture, Washington State University, Pullman, Washington, USA.**

Appointment to facilitate teaching and coordination duties for the articulated WSU/WVC - Washington Tree Fruit Program.

## Experience (cont.)

**12/1984 - Director Agriculture Programs and Professor of Pomology, Wenatchee Valley  
10/1997 College, Wenatchee, Washington, USA.**

Initiation and oversight of the Agriculture Department and Washington Tree Fruit Program. Led and coordinated efforts for program articulation with Washington State University. Led the development and implementation of various professional, continuing and workforce education programs. Developed laboratory orchards. Taught various agriculture classes. Oversight of all faculty, programs and facilities.

**08/1983 - Graduate Research Assistant, Agricultural Education, University of Missouri -  
12/1984 Columbia, Missouri, USA.**

Developed instructor curriculum guides and accompanying student reference materials for secondary level classes in fruit and vegetable crop production, agribusiness, and forage crop production.

**04/1981 - Research Specialist, Department of Horticulture, University of Kentucky, West  
06/1982 Kentucky Research and Education Center, Princeton, Kentucky, USA.**

Responsible for the cultural management of research apple and peach orchards, vineyards, small fruit plantings and vegetable plantings. Participated in the development of and responsible for the execution of research and demonstration projects.

**08/1980 - Junior Scientist, Department of Horticulture, University of Minnesota, Horticulture  
03/1981 Research Center, Excelsior, Minnesota, USA.**

Conduct of apple breeding program fieldwork including orchard cultural management and seedling and advanced selection evaluation. Horticultural oversight of research and extension service demonstration vineyard, small fruit and orchard plantings.

**01/1977 - Research Specialist, Department of Horticulture, University of Missouri -  
01/1980 Columbia, Columbia, Missouri, USA.**

Conduct of small fruit, tree fruit and nut crop research projects. Instructor of plant propagation course for two semesters and participated in the instruction of a Pomology course.

## Graduate Student and Post-Doctoral Supervision

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**2016 - present** P. Batra, PhD. Supervision of post-doctoral researcher investigating links between local-regional food systems and community and household health and nutrition.

**2015 - present** K. Johnson, M.A. Environment and Management. Research Supervisor, Royal Roads University. Agriculture land ownership, use and valuation status and trends in the municipalities of Richmond and Surrey, British Columbia.

## Graduate Student and Post-Doctoral Supervision (cont.)

- 2014 - 2016** S. Gamble, M.Sc. Co-supervisor, University of British Columbia, Faculty of Land and Food Systems. Thesis title: *Supply management in a neoliberal era: Implications for food sovereignty in the British Columbia dairy industry.*
- 2012 - 2016** C. Sussmann, Ph.D. Supervision of post-doctoral researcher investigating ecological footprint of southwest British Columbia agri-food sector and that for a bio- regional, de-commodified food system.
- 2012 - 2016** A. Rallings, M.Sc. Co-supervisor, University of British Columbia, Faculty of Land and Food Systems. Thesis title: *Evaluating potential impacts of hedgerow and riparian buffer management options on habitat and carbon stocks within the Agricultural Land Reserve of the Lower Fraser Valley, British Columbia.*
- 2012 - 2015** C. Dorward, M.Sc. Co-supervisor, University of British Columbia, Faculty of Land and Food Systems. Thesis title: *Assessment of current status and modeling of future capacity for land based food self-reliance in southwest British Columbia.*
- 2011 - 2012** L. Raimondi, M.Sc. Environment and Management. Research supervisor, Royal Roads University. Thesis title: *Developing a method for regional food system planning in the Sea to Sky Region, British Columbia.*
- 2010 - 2012** T. Moreau, Ph.D. Co-supervise, Pacific Institute for Climate Studies funded post-doctoral researcher investigating strategies for CO<sub>2</sub> sequestration and emissions reduction in local-scale agriculture.

## Publications

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### Refereed

- Dorward, C., S.M. Smukler, and K. Mullinix. 2016. *A novel methodology to assess land based food self-reliance in the southwest British Columbia bioregion.* Journal of Renewable Agriculture and Food Systems. 32(2), 112 -130. Published online 2/15/2016. doi:10.1017/S1742170516000053
- Harris, G., D. Nixon, L. Newman, and K. Mullinix. 2016. *Delineating the Southwest British Columbia bioregion for food system design and planning: A practical approach.* Journal of Agriculture, Food Systems, and Community Development. Advance online publication. <http://dx.doi.org/10.5304/jafscd.2016.064.010>
- Mullinix, K., C. Dorward, M. Shutzbank, P. Krishnan, K. Ageson and A. Fallick. 2013. *Beyond protection: Delineating the economic and food production potential of underutilized, small parcel farmland in metropolitan Surrey, British Columbia.* Journal of Agriculture, Food Systems, and Community Development. 4(1), 33-50. <http://dx.doi.org/10.5304/jafscd.2013.041.005>

## Publications - Refereed (cont.)

- Moreau, T. L., J. Moore and K. Mullinix. 2012. *Mitigating agriculture greenhouse gas emissions: A review of scientific information for food system planning*. Journal of Agriculture, Food Systems, and Community Development. 2(02): 237-246. <http://dx.doi.org/10.5304/jafscd.2012.022.007>
- Moreau, T. L., J. Moore and K. Mullinix. 2012. *Planning and policy for climate action in British Columbia, Canada: Putting agricultural greenhouse gas mitigation on local government agendas*. Journal of Agriculture, Food Systems, and Community Development. 2(02): 247–259. <http://dx.doi.org/10.5304/jafscd.2012.022.008>
- Mullinix, K., J. F. Brunner and M. B. Isman. 2011. *Apple leafroller (Lepidoptera: Tortricidae) populations and parasitism in an orchard managed with either a grass or alfalfa cover and without insecticides over four growing seasons*. International Journal of Fruit Science. 11(02): 99-110.
- Mullinix, K. and D. Granatstein. 2011. *Potential nitrogen contributions from legumes in Pacific Northwest apple orchards*. International Journal of Fruit Science. 11(1): 74-87.
- Condon, P. M., K. Mullinix, A. Fallick and M. Harcourt. 2010. *Agriculture on the edge: Strategies to abate urban encroachment onto agricultural lands by promoting viable human scale agriculture as an integral element of urbanization*. International Journal of Agricultural Sustainability. 8(1-2): 1-12.
- Granatstein, D., M. Wiman, E. Kirby, and K. Mullinix. 2010. *Sustainability trade-offs in organic orchard floor management*. Acta Horticulturae. 873: 115-122.
- Mullinix, K., M. B. Isman, and J. F. Brunner. 2010. *Key and secondary arthropod pest population trends in apple cultivated over four seasons with no insecticides and a legume cover*. Journal of Sustainable Agriculture. 34 (6): 1-11.
- Granatstein, D. and K. Mullinix. 2007. *Mulching options for Northwest organic orchards*. HortScience. 43(1): 45-50.
- Mullinix, K., L.Garcia, A. Lewis-Lorentz and J. Qazi. 2006. *Latino views on agriculture, careers and education: dispelling the myths*. North American Association of Colleges and Teachers of Agriculture Journal. 50 (2): 2-11.
- Mazzola, M. and K. Mullinix. 2005. *Comparative field efficacy of management strategies containing Brassica napus seed meal and green manure for the control of apple replant disease*. Plant Disease. 89: 1207-1213.
- Bertschinger, L., Anderson, J. D., Groot, N. D., Granatstein, D., Habib, R., Mullinix, K., Nielson, D., Pomares Garcia, F., Weibel, F. P. and Zinati, G. 2004. *Conclusions from the 1<sup>st</sup> symposium on sustainability in horticulture and a declaration for the 21<sup>st</sup> century*. Acta Horticulturae. 606: 509-512.
- Mazzola, M., D. M. Granatstein, D. C. Elfving, M. K. Mullinix, and Yu-Huan Gu. 2002. *Cultural management of microbial community structure to enhance growth of apple in replant soils*. Phytopathology, 92: 1363-1366.

## Publications - Refereed (cont.)

Mazzola, M., D. M. Granatstein, D. C. Elfving, M. K. Mullinix. 2001. *Suppression of specific apple root pathogens by Brassica napus seed meal amendment regardless of gliucosinalate content*. *Phytopathology*, 91: 673-679.

Mullinix, M. K., A. D. Hibbard, and D. D. Hemphill. 1985. *Effectiveness of GA4 + 7 + BA tank mixed with fungicides on 'Delicious' apples*. *HortScience*, 20 (1): 76-77.

## Abstracts

Rallings, A. M., Smukler, S.M., Mullinix, K. 2014. *Implications of hedgerow networks for structural connectivity and farmland allocation in Delta, British Columbia*. Ecological Society of America Annual Meeting, August 10-15. Sacramento, CA.

Moreau, T., C. Dorward, A. Fallick and K. Mullinix. 2012. *Local government engagement in agricultural greenhouse gas mitigation*. Canadian Association for Food Studies, annual conference. Wilfred Laurier University. Waterloo, ON. Canada. [http://cafs.landfood.ubc.ca/en/wp-content/uploads/CAFS2012\\_final-program\\_REV1.pdf](http://cafs.landfood.ubc.ca/en/wp-content/uploads/CAFS2012_final-program_REV1.pdf)

Dorward, C., K. Mullinix, M. Schutzbank and A. Fallick. 2012. *Potentials of local scale, human intensive agriculture on small scale underutilized tracts in British Columbia's second largest city*. Canadian Association for Food Studies, annual conference. Wilfred Laurier University. Waterloo, ON. Canada. [http://cafs.landfood.ubc.ca/en/wp-content/uploads/CAFS2012\\_final-program\\_REV1.pdf](http://cafs.landfood.ubc.ca/en/wp-content/uploads/CAFS2012_final-program_REV1.pdf)

Mullinix, K., A. Fallick and A. Rallings. 2011. *The Richmond Farm School: An extension education program to prepare 21st century urban and peri-urban agriculturists*. North American Colleges and Teachers of Agriculture Conference. University of Alberta, Edmonton, Alberta. Canada. 55(1): 28.

Moreau, T., T. Adams, P. Condon, A. Fallick and K. Mullinix. 2010. *Sustainable food for cities: Criteria to minimize greenhouse gas emissions and maximize carbon sequestration in urban and peri-urban agriculture*. Association of European Schools of Planning. 2<sup>nd</sup> European Sustainable Food Planning Conference. University of Brighton, Brighton, UK.

Mullinix, K. and J. Qazi. 2003. *Latino views on agricultural careers and education: dispelling the myth*. *North American Colleges and Teachers of Agriculture Journal*, 47(4): 61.

Mullinix, M. K., L. Garcia, and R. Gillespie. 2000. *Experiential education is the heart and soul of the Washington Tree Fruit Program*. *National Association of Colleges and Teachers of Agriculture Journal*, 44(2): 11.

Barrett, M. N., M. K. Mullinix, J.A. Scherer, and L. Garcia. 1998. *The Hispanic Orchard Employee Education Program*. *National Association of Colleges and Teachers of Agriculture Journal*, 42(2).

Mullinix, M. K. 1998. *A model for inter-institutional cooperation and undergraduate curriculum: The Washington Tree Fruit Program after 13 years*. *National Association of Colleges and Teachers of Agriculture Journal*, 42(20)

## Publications - Abstracts (cont.)

Mullinix, M. K. 1998. *Utilizing an industry advisory committee for responsive, superior post-secondary agricultural education programming*. National Association of Colleges and Teachers of Agriculture Journal, 42(2).

Mullinix, M. K. and P. J. Tvergyak. 1994. *A model for reform of undergraduate horticulture education: The Washington Tree Fruit Program*. HortScience, 29 (5): 437.

Tvergyak, P. J. and M. K. Mullinix. 1994. *The Washington Tree Fruit Management Program*. HortScience, 29 (5): 459.

Mullinix, M. K. and P. J. Tvergyak. 1993. *The Washington Tree Fruit Management Program*. National Association of Colleges and Teachers of Agriculture Journal, 42(3).

## Proceedings

Moreau, T. L., Adams, T., Mullinix, K., Fallick, A. and P. M. Condon. *Recommended practices for climate-smart urban and peri-urban agriculture*. 2012. In Sustainable Food Planning - Evolving Theory and Practice. Viljoen, A., and J.S.C. Wiskerke Eds.; Wageningen Academic Publishers, the Netherlands, 598 p.

Mullinix, K. 2005. *Pacific Northwest/Colorado/British Columbia- regional report*. In D. Granatstein and A. Azarenko (eds.). Proceedings 3<sup>rd</sup> National Organic Tree Fruit Research Symposium. June, 6-8, 2005, Chelan, WA. Washington State University Tree Fruit Research and Extension Center, Wenatchee, WA.

Mullinix, K., and N. Warner. 2005. *Building a healthy future for Washington family farms: Washington Family Farm Summit white paper*. In The Next Agricultural Revolution: Revitalizing Family Based Agriculture and Rural Communities. Proceedings of the Washington State Family Farm Summit. K Mullinix, (ed.) Good Fruit Grower, Yakima, WA.

Granatstein, D., K. Mullinix and E. Hogue. 2002. *In-row mulching for weed control, water conservation and nitrogen management in organic apple production*. Proceedings 14<sup>th</sup> IFOAM Organic World Congress, Victoria, BC, Canada

Mazzola, M., D. M. Granatstein, D. C. Elfving and M. K. Mullinix. 2002. *Field evaluation of non-fumigant measures of the control of apple replant disease*. In G.L. Obenauf (ed.) 2002 Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. Crop Protection Coalition. MBAO. Fresno, CA.

Mullinix, M. K. 2001. *A viable family based Washington tree fruit industry: It is up to us*. Proceedings Annual Washington State Horticulture Association 96<sup>th</sup> Annual Meeting.

Mullinix, M. K. 2001. *Developing a Washington tree fruit industry strategic plan: Results of the February 2001 Industry Summit meetings*. Proceedings 17<sup>th</sup> Annual Washington State University/ Washington State Horticultural Association Postharvest Conference. <http://postharvest.tfrec.wsu.edu/proc/PC2001L.pdf>

## **Publications - Proceedings (cont.)**

Mullinix, M. K. 2000. *Agro-ecological approaches to pest management*. Proceedings, Washington State Horticultural Association 95<sup>th</sup> Annual Meeting.

Mullinix, M. K. 2000. *Envisioning a preferred future for Washington's tree fruit industry*. Proceedings, Washington State Horticultural Association 95<sup>th</sup> Annual Meeting.

Maib, K., P. Andrews, G. Lang and M. K. Mullinix (eds.). 1996. *Tree fruit physiology: growth and development*. Good Fruit Grower, Yakima, WA.

Mullinix, M. K. 1993. *WVC/WSU coordinated Tree Fruit Production Program*. Compact Fruit Tree. 26: 29-33.

## **Chapters**

Condon, P. M. and K. Mullinix. 2010. *Agriculture on the edge: Strategies to abate urban encroachment onto agricultural lands by promoting viable human scale agriculture as an integral element of urbanization*. In *Agricultural Urbanism: Handbook for building sustainable food and agriculture systems in 21<sup>st</sup> century cities*. J. de la Salle and M. Holland (eds.). Green Frigate Books. Vancouver, B.C.

Mullinix, K. (ed.). 2005. *The next agricultural revolution: revitalizing family based agriculture and rural communities: Proceedings of the Washington State Family Farm Summit*. Good Fruit Grower, Yakima, WA.

## **Technical**

Dorward, C., S. Smukler, and K. Mullinix. 2016. *Research brief: Food Self-Reliance Status of the Southwest BC Bioregion in 2011*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Dorward, C., S. Smukler, and K. Mullinix. 2016. *Research brief: Modeling future capacity for land-based food self-reliance in a regionalized food system*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Mullinix, K., C. Dorward, C. Sussmann, W. Polasub, S. Smukler, C. Chiu, A. Rallings, C. Feeney and M. Kissinger. 2016. *The future of our food system: Report on the Southwest BC bioregional food system design project*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Polasub, W., C., Chiu, and K. Mullinix. 2016. *Research brief: Economic impacts of a regionalized food system in the southwest British Columbia bioregion*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Rallings, A., S. Smukler and K. Mullinix. 2016. *Research brief: Carbon stocks and the impact of agricultural expansion in a regionalized food system*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Rallings, A., S. Smukler and K. Mullinix. 2016. *Research brief: Wildlife habitat and impact of agriculture on biodiversity in a regionalized food system*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.



## Publication - Technical (cont.)

Smuckler, S., C. Dorward and K. Mullinix. 2016. *Research brief: Nutrient balance of a regionalized food system in the southwest BC bioregion*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Sussmann, C., C. Dorward, W. Polasub, K. Mullinix and B. Mansfield. 2016. *Home on the Range: Cost pressures and the price of farmland in Metro Vancouver*. Vancouver City Savings Credit Union. Vancouver, British Columbia, Canada.

Sussmann, C., M. Kissenger, and K. Mullinix. 2016. *Research brief: The ecological footprint of food consumption in a regionalized food system*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Sussmann, C., M. Kissenger, C. Dorward, S. Smukler and K. Mullinix. 2016. *Research brief: Greenhouse gas emissions from food production in a regionalized food system*. Institute for Sustainable Food Systems. Kwantlen Polytechnic University.

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Enterprise budget user guide*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-27. <http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Beet*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-013. <http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Bell Pepper*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-009. <http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Bok Choy*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-017. <http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Broccoli*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-001. <http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Brussel Sprout*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-002. <http://www.kpu.ca/isfs/enterprise-budgets>

## Publication - Technical (cont.)

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Cabbage*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-003.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Carrot*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-014.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Fresh Market Bean*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-006.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Garlic*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-010.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Goat meat*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-021.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: High Tunnel Cucumber*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-005.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Honey Bee*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-022.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Hop*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-025.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Kale*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-004.

<http://www.kpu.ca/isfs/enterprise-budgets>

## Publication - Technical (cont.)

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Lamb*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-023.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Lettuce*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-018.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Pork*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-024.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Potato*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-015.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Radish*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-019.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Rhubarb*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-026.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Spinach*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-020.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Tomato*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-011.  
<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Turnip*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-016.  
<http://www.kpu.ca/isfs/enterprise-budgets>

## Publication - Technical (cont.)

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Winter Squash*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-007.

<http://www.kpu.ca/isfs/enterprise-budgets>

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia small-scale farm enterprise budget: Yellow Onion*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-012.

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Dorward, C., Kassi, N., Chiu, C., Mullinix, K. 2015. *Yukon food system design and planning project: Our food security today and tomorrow in Carcross/Tagish First Nation*. Report prepared in partnership with the Arctic Institute for Community Based Research and the Carcross/Tagish First Nation. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Mullinix, K. 2015. *Working with Indigenous Peoples to foster sustainable food systems* [Guest editorial]. *Journal of Agriculture, Food Systems, and Community Development*. 3(4), 3-6. <http://dx.doi.org/10.5304/jafscd.2015.054.008>

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Dorward, C., M Shutzbank and K. Mullinix. 2013. *Economics of urban and near-urban farms*. In *Urban Farming Guidebook*. J. de la Salle and J. Clark, eds. Eco-design Resource Society. Vancouver, B.C

Mullinix, K., A. Fallick and C. Dorward. 2013. *Surry's Underutilized ALR Lands: An Analysis of their Economic, Job Creation in Direct Market Agriculture*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

## Publication - Technical (cont.)

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- Rader, R., K. Mullinix and K. Halstead. 2006. *10 reasons to buy your food from regional family farms*. Institute for Rural Innovation and Stewardship. Wenatchee Valley College, Wenatchee, WA.
- Granatstein, D., K. Mullinix, E. Kirby and M. Brockington. 2005. *Integrated multiple mulch trial progress report, 2005*. Center for Sustaining Agriculture and Natural Resources, Washington State University.  
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- Mullinix, K., and N. Warner. 2005. *Building a healthy future for Washington family farms: Washington State Family Farm Summit white paper*. Institute for Rural Innovation and Stewardship. Wenatchee Valley College, Wenatchee, WA.
- Mullinix, K., N. Warner and J. Yoder. 2005. *Habitat farming feasibility study report*. Institute for Rural Innovation and Stewardship. Wenatchee Valley College, Wenatchee, WA.
- Norton, R. A., K. Mullinix and M. Hardiman. 2004. *2004 Sweet cherry cultivar trial report*. Wenatchee Valley College, Wenatchee, WA.
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- Norton, R. A., and K. Mullinix, A. Cunningham, P. Savage, R. Schuler and J. Castle. 2001. *2000 Sweet cherry cultivar trial report*. Wenatchee Valley College, Wenatchee, WA.
- Norton, R. A., G. Vanderpool, P. Savage, R. Schuler, and K. Mullinix. 2000. *1999 Sweet cherry cultivar trial report*. Wenatchee Valley College, Wenatchee, WA.

## Publication (cont.)

- Video**
- Mullinix, M. K. and P. J. Tvergyak. 1994. *High-density apple tree training and pruning (Spanish/English)*. WVC Agriculture Department and WSU Cooperative Extension, Wenatchee, WA.
- Mullinix, M. K. and P. J. Tvergyak. 1990. *Hand-thinning apples (Spanish/English)*. WVC Agriculture Department and WSU Cooperative Extension, Wenatchee, WA.
- Tvergyak, P. J. and M. K. Mullinix. 1989. *Harvest techniques for apples and pears (Spanish/English)*. WVC Agriculture Department and WSU Cooperative Extension, Wenatchee, WA.
- Mullinix, M. K. and P. J. Tvergyak. 1988. *Pruning mature open center apple trees (Spanish/English)*. WVC Agriculture Department and WSU Cooperative Extension, Wenatchee, WA.
- Popular**
- Mullinix, K. and R. Harbut. 2013. *ALR protects a precious non-renewable resource essential to the realization of B.C.'s agriculture potential*. Special to the Vancouver Sun. Dec. 4, 2013.
- Fallick, A and K. Mullinix. 2012. *Integrating agriculture and urban culture*. Watershed Sentinel. 22(3): 14-15.
- Fallick, A. and K. Mullinix. 2009. *Sustainable, local agriculture the way forward*. Special to the Vancouver Sun. Sept. 25, 2009.
- Mullinix, K., A. Fallick and D. Henderson. 2009. *Beyond food security: urban agriculture as a form of resilience in Vancouver, Canada*. Urban Agriculture Magazine. 22: 41-42.
- Mullinix, K. 2008. *The basics of pest management*. GardenWise: Healthy Garden Guide. March, 2008. Canada Wide Media Limited, Burnaby, B.C.
- Mullinix, K., J. Brunner and M. Isman. 2006. *Are secondary pests pesticide-induced?* Good Fruit Grower, 57(9): 18-19.
- Eddy, D. with M. K. Mullinix and D. Spezzano. 2000. *Debating the future of the family farm*. Western Fruit Grower. 120(6): 6-7. (contributing author).
- Mullinix, M. K. 1999. *A comprehensive educational strategy supporting Washington's tree fruit industry*. Good Fruit Grower, 50(12): 32-33.
- Curricula**
- McMillan, S and K. Mullinix. 2009. *Sustainable resources 12: Sustainable agriculture and food systems*. 95 pp. Institute for Sustainable Horticulture. Kwantlen Polytechnic University.
- Stewart, B. R. and M. K. Mullinix. 1985. *Forages for advanced crop production and marketing: Instructors' guide*. 17(5). 171 pp. Instructional Materials Laboratory, University of Missouri-Columbia, Columbia, Missouri.

## Publication - Curricula (cont.)

Mullinix, M. K. (ed.). 1984. *Fruit and vegetable production unit student reference*. 16(6). 104 pp. Instructional Materials Laboratory, University of Missouri–Columbia, Columbia, Missouri.

Stewart, B. R. and M .K. Mullinix. 1984. *Fruit and vegetable production unit for the plant science core curriculum: Instructors' guide*. 16(2). 147 pp. Instructional Materials Laboratory, University of Missouri–Columbia, Columbia, Missouri.

Stewart, B. R., M. McCaskey and M. K. Mullinix. 1984. *Introduction to agricultural business: Instructors' guide*. 16(3). 105 pp. Instructional Materials Laboratory, University of Missouri–Columbia, Columbia, Missouri.

## Presentations

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*Our sustainable food system future: What is it going to take?* 2017. Okanagan College Speakers Series. Penticton, British Columbia. Invited.

*Agriculture in a changing economic, environmental and societal climate: Our path to a sustainable food system future*. 2016. National Farmers Union Annual Convention. Saskatoon, Saskatchewan. Keynote. Invited.

*Building sustainable food systems for the 21<sup>st</sup> century*. 2016. Association of Kootenay Boundary Local Governments Workshop. Creston, BC. Keynote. Invited.

*A sustainable Food System Future: Challenges and Opportunity*. 2015. Field to Fork Symposium. Assiniboine Community College. Brandon, Manitoba. Keynote. Invited.

*Building sustainable food systems for the 21<sup>st</sup> century*. 2015. Kwantlen Polytechnic University-Science World Speaker Series. Vancouver, BC. Invited.

*Fruit tree canopy management*. 2015. Black Creek Community Center, Courtenay, BC. Invited.

*Economic and community development potential of regionalized food systems*. 2015. City of Kelowna, BC. Invited.

*Climate change and food*. 2014. Columbia Institute- Centre for Civic Governance Annual Forum. Vancouver, BC. Invited.

*Planning regional food systems*. 2014. University of British Columbia, School of Community and Regional Planning Student Symposium. Invited.

*Sustainable regional food systems: Challenges and opportunities*. 2014. Community Conversations Food Systems and Food Security. Okanagan - Similkemmen Regional District. Hedley, BC. Keynote, Invited.

*Sustainable regional food systems: Challenges and opportunities*. 2014. Stó:lō Nation Health Services. Chilliwack, BC. Invited.

## Presentations (cont.)

*Nourishing land, people and community.* 2014. TEDxKPU Talk. Kwantlen Polytechnic University. Invited.

*Fostering effective alliances with Indigenous communities.* 2014. Engagement Scholarship Conference. University of Alberta, Edmonton, Alberta.

*Envisioning sustainable food systems in British Columbia: From dependence to post-industrial food security.* 2013. Building Sustainable Communities 2013 Conference. Kelowna, B.C. Keynote. Invited.

*GMO apple: Boon or boondoggle?* 2013. **Debater - con.** Building Sustainable Communities 2013 Conference. Kelowna, B.C. Invited.

*Food security in British Columbia: From personal to planetary.* 2013. British Columbia Institute of Agrologists, Vancouver Chapter, Summer Innovations in Agrology 2013. Vancouver, B.C. 2013. Invited.

*Bio-regional food system design and plan for south-west British Columbia.* 2013. Certified Organic Associations of British Columbia Conference. Vernon, B.C.

*Yukon food system design and plan project.* 2013. 8<sup>th</sup> Circumpolar Agriculture Conference. Girdwood, AK. Poster.

*Post-industrial food systems.* 2013. Langley Farmers Market Society Annual General Meeting. Langley BC. Invited.

*Sustainable food systems for the 21<sup>st</sup> century: Challenges and opportunities.* 2013. BC Nature, Federation of British Columbia Naturalists Spring Conference and Annual General Meeting. Abbotsford, B.C. Invited.

*Bio-regional food system design and plan for south-west British Columbia.* 2013. Coolnorthshore. North Vancouver, B.C. Invited.

*Bio-regional food system design and plan for south-west British Columbia.* 2013. Webinar. The Real Estate Institute of British Columbia. Vancouver, B.C. Invited.

*Regional food system design and plan for south-west British Columbia and the Yukon.* 2013. Canadian Association for Food Studies Conference. University of Victoria, Victoria, B.C.

*Food security.* 2012. Canada India Foundation, Agriculture and Food Processing Forum. Vancouver, B.C. Invited.

*Feeding the world? Food systems: yesterday, today, tomorrow.* 2012. The Earthkeeping Institute, Arocha. Langley, B.C. Invited.

*Post-industrial food systems: A people proposition.* 2012. Metro Vancouver Sustainability Community Breakfast. Langley, B.C. (June, 5) and Vancouver, B.C. (June 13). Invited.



## Presentations (cont.)

*Framing the debate: Life sciences intensive vs. ecologically intensive agri-food systems.* 2012. Building Sustainable Communities Conference. Kelowna, B.C. Invited.

*Preparing 21<sup>st</sup> century agriculturists: Kwantlen Polytechnic University taking up the challenge.* 2012. Certified Organic Associations of British Columbia, annual conference. Chilliwack, B.C. Invited.

*Integrating agriculture with urban culture: Research and education programing at Kwantlen Polytechnic University.* 2011. British Columbia Institute of Agrologists AgUs Speaker Series. University of British Columbia, Faculty of Land and Food Systems. Vancouver, B.C. Invited.

*Toward a viable 21<sup>st</sup> century agri-food system.* 2011. Territorial Farmers Association. Hay River, NT. 2010: Yukon Agricultural Association. Whitehorse, YT. Invited.

*Integrating urban culture with agri-culture: A sustainability imperative.* 2010. University of British Columbia Summer Institute in Sustainable Urban Design. University of British Columbia, Vancouver, B.C. Invited.

*Bioregional and municipal enabled agriculture.* 2009. University of Northern British Columbia/Communities in Bloom. Prince George, British Columbia. Invited.

*Local- regional agriculture and food security.* 2009. Stone Soup Project. Prince George, British Columbia. Invited.

*PlantHealthBC: Working with municipalities to promote environmental stewardship in landscape pest management.* 2009. 6<sup>th</sup> International Integrated Pest Management Symposium. Portland, Oregon. Invited.

*Advancing food sovereignty: Municipal enabled sustainable agriculture.* 2009. British Columbia Land Summit. Whistler, B.C.

*Planning cities as if food mattered.* 2009. Panel speaker. Gaining Ground Conference. Vancouver, British Columbia. Invited.

*Keeping the integrated in pest management for local governments.* 2009. Invasive Plant Council Annual General Meeting and Conference. Richmond, British Columbia. Invited.

*Renovating old fruit tree canopies (workshop).* 2009. Richmond Food Security Society. Richmond, British Columbia. Invited.

*Fruit tree canopy management- establishment (workshop).* 2009. Richmond Food Security Society. Richmond, British Columbia. Invited.

*Reducing reliance on pesticides: A proactive approach from British Columbia.* 2008. Green Gardening Program- IPM Workshop for Professionals. Seattle, WA. Invited.

*Beyond pesticides: Alternatives to traditional pest management materials.* 2008. Western Canada Turfgrass Association Annual Conference. Penticton, B.C. Invited.

## Presentations (cont.)

*Youth and food: How do we get young people excited about agriculture?* 2008. Food for All Dialogue, Richmond Food Security Task Force. Richmond, B.C. Invited.

*IPM: concepts, basis and practice.* 2008. Western Canada Turfgrass Association Annual Conference. Penticton, B.C.

*Sustainable landscape issues.* 2008. Landscape Design Group. Vancouver, B.C. Invited.

*Integrated pest management: A primer.* 2008. Spring Garden Forum. Merritt, B.C. Invited.

*Comparing tillage and mulching for weed control in organic orchards.* 2007. Washington State Horticulture Association Annual Conference (Poster co-presenter). Yakima, WA.

*Integrated pest management: A primer.* 2007. Communities in Bloom Annual Conference. Qualicum Beach, B.C. Invited.

*Envisioning a new agriculture.* 2006-07. Farming and the Environment Conference- Establishing Market Access and Value for Stewardship Farmers. Everett, WA. 2006, Okanogan, WA. 2007. Invited.

*Latino views of agriculture, careers and education: dispelling the myths.* 2006. Symposium on Sustainable Agriculture, Communities & Environments in the Pacific Northwest, Washington State University Tri-Cities.

*Rural dynamics- the future of family farming.* 2006. Women in Agriculture Conference. Wenatchee, WA.

*The future of family farms and American agriculture: Who's running the show and for whose benefit?* 2006. Columbia Basin Crop Consultants Association Short Course. Moses Lake, WA. Invited.

*Visions of a 21<sup>st</sup> century agri-food system.* 2006. Washington State Food and Nutrition Council Annual Conference. Redmond, WA. Invited.

*Pacific Northwest/Colorado/British Columbia- regional report.* 2005. 3<sup>rd</sup> National Organic Tree Fruit Research Symposium. Chelan, WA. Invited.

*Soils and soil management.* 2005. Tilt Producers of Washington Annual Conference. Wenatchee, WA. Invited.

*Globalization of agriculture, family farms and sustainability.* 2004. Washington State Department of Ecology, Central Regional Office. Yakima, WA. Invited.

*Sustainable agriculture.* 2004. Washington State Department of Ecology. Earth Day Training. Lacey, WA. Invited.

*Current and future trends in agriculture.* 2003. Lewis County Planning Commission. Chehalis, WA. Invited.

## Presentations (cont.)

*Effects of insecticide elimination, cover crops and augmentation attempts on apple leafroller populations, leafroller parasitism and the general orchard arthropod community.* 2003. Joint Annual Meeting of the Entomological Society of Canada and the Entomological Society of British Columbia. Kelowna, British Columbia, Canada.

*Mulching systems for weed control, water conservation and nitrogen management in organic apple orchards.* 2003. Northwest Symposium on Organic and Biologically Intensive Farming. (Poster co-presenter). Yakima, WA.

*The Institute for Rural Innovation and Stewardship.* 2002. American Society of Farm Managers and Rural Appraisers- Washington Chapter annual conference. Moses Lake, WA. Invited.

*The Institute for Rural Innovation and Stewardship.* 2002. International Forum- Toward Ecosystem-Based Management: Breaking Down the Barriers in the Columbia River and Beyond. (Poster co-presenter) Spokane, WA.

*Washington State University/ Wenatchee Valley College collaborative agriculture programs.* 2002. Joint Meeting of the Washington State Senate Labor, Commerce and Financial Institutions Committee and the Senate Agriculture and International Trade Committee. Yakima, WA.

*Creating a viable future for family based agriculture in the US.* 2001. Quincy Valley Chamber of Commerce 20th Annual Farmer Appreciation Breakfast. Quincy, WA. Invited.

*Developing a Washington tree fruit industry strategic plan: Results of the February 2001 Industry Summit.* 17th Annual Washington State University/ Washington State Horticultural Association Postharvest Conference. Wenatchee, WA. 2001. Invited.

*Family farming and the Washington tree fruit industry.* 2001. Leavenworth Kiwanis. Leavenworth, WA. Invited.

*Family farming in America.* 2001. Sunrise Rotary Club. Wenatchee WA. Invited.

*Family farming in America.* 2001. Wenatchee Rotary Club. Wenatchee WA. Invited.

*Improving our industries image and connecting with consumers through family farms and environmental stewardship.* 2001. Washington Tree Fruit Industry Summit. Yakima and Wenatchee, WA.

*A viable family based Washington tree fruit industry: It is up to us.* 2000. Washington State Horticulture Association annual meeting, Yakima, WA. Invited.

*Asexual propagation of roses.* 2000. Ninth Annual Washington State University Master Gardener Advanced Training Conference. Wenatchee, WA. Invited.

*Agriculture education programs supporting the tree fruit industry.* 2000. Washington State Farm Bureau - State Conference. Wenatchee, WA. Invited.

*WVC – WSU agriculture education programs.* 2000. Governor Locke's Regional Skills/Eastern Washington Agriculture Partnership Briefing. Pasco, WA. Invited.

## Presentations (cont.)

*Developing safety education curricula for incorporation into two existing technical education programs.* 2000. Governor's Industrial Safety and Health Conference. Spokane, WA.

*Agroecological approaches to pest management.* 1999. Washington State Horticulture Association annual meeting. Wenatchee, WA. Invited.

*Envisioning a preferred future for Washington's fruit industry.* Washington State Horticulture Association annual meeting. Wenatchee, WA. 1999. Invited.

*Manipulation of soil microbial communities to enhance growth of apple in replant soils.* 1998. Washington State Horticultural Association annual meeting. (Poster, co-presenter) Yakima, WA.

*Tree fruit industry work force education.* 1997. Larsen Fruit Company Annual Growers' Meeting. Yakima, WA. Invited.

*Educational programming for the Washington tree fruit industry.* 1997. Washington State University, Tree Fruit Research and Extension Center. Wenatchee, WA. Invited.

*The Hispanic Orchard Employee Education Program.* 1994. Washington State Horticultural Association annual meeting. (Poster, co-presenter). Wenatchee, WA.

*Treatments to encourage growth of runted apple trees.* 1994. Washington State Horticultural Association annual meeting. (Poster, co-presenter). Wenatchee, WA.

*Growing Fuji, Gala, and Braeburn apples.* International Dwarf Fruit Tree Association Annual Conference. (Panel Moderator). Wenatchee, WA. 1993.

*The Washington Tree Fruit Program.* 1993. National Association of Colleges and Teachers of Agriculture Conference. Twin Falls, ID.

*WVC-WSU coordinated Tree Fruit Program.* 1993. International Dwarf Fruit Tree Association Annual Conference. Wenatchee, WA. Invited.

*Fruit and vegetable production curriculum content and materials.* 1984. Missouri Vocational Agriculture Teachers Association Conference. Columbia, MO. Invited.

*Integrating plant science and horticulture.* 1983. Missouri Vocational Agriculture Teachers Association Conference. Columbia, MO. Invited.

*Small fruit variety trial report.* 1982. Kentucky State Horticulture Society Annual Meeting. Bowling Green, KY.

*Blueberry nutrition.* 1980. Missouri State Horticulture Society Annual Meeting. Columbia, MO. Invited.

*Bark inlay grafting of pecans.* 1978. Southwest Missouri Nut Growers Association Annual Meeting. Nevada, MO. Invited.

## Grants and Extramural Support

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### 2017

*Sustainable Agriculture for Wildlife at Alaksen National Wildlife Reserve (Delta BC).* Environment Canada. K. Mullinix, Principal Investigator. \$20,000.

*Urban Agriculture Demonstration Project.* Greater Vancouver Regional District Sustainability Innovation Fund. K. Mullinix, Principal Investigator. E. Hanson and C. Dorward, co-investigators. \$50,000.

### 2016

*First Nations and Local, Community Based Food Systems.* Vancity enviroFund Grant. K. Mullinix, Principal Investigator, P. Batra, Co-investigator. \$40,000.

*Building a case for regional food systems: Establishing links between food systems and community health, nutrition and food security in Western Canada (the provinces of British Columbia and Alberta, and the Yukon Territory).* Kwantlen Polytechnic University Katalyst Grant. K. Mullinix, Principal Investigator, P. Batra, Co-investigator. \$25,000.

*Successful Farmers' Market Farmer Profiles and Marketing Toolkit.* British Columbia Association of Farmers' Markets. K. Mullinix, Principal Investigator, W. Polasub and C. Dorward Co-investigators. \$18,000.

### 2015

*Tsawwassen First Nation (TFN) Farm School Incubator and Food Hub Project* Real Estate Foundation of British Columbia (via Naut'sa mawt Tribal Council). C. Singfield and K. Mullinix Co-investigators. \$260,000.

*Tsawwassen First Nation Farm School.* Vancity enviroFund (via Tsawwassen First Nation). C. Singfield and K. Mullinix Co-investigators. \$40,000.

*Fostering regional food systems.* Social Sciences and Humanities Research Council. K. Mullinix, Principal Investigator, R. Harbut, Co-investigator. \$239,844.

*Tr'ondëk Hwëch'in community farm and farm school feasibility study business plan.* Tr'ondëk Hwëch'in Nation. K. Mullinix, Principle Investigator. \$17,500.

*Southwest British Columbia bioregional food system design and planning.* City of White Rock, BC. K. Mullinix, Principal Investigator. \$2,000.

### 2014

*Tsawwassen First Nation farm school development and implementation.* Tsawwassen First Nation. K. Mullinix, Principal Investigator. \$50,000.

*Regional sustainable food systems dialogues.* Real Estate Foundation of British Columbia. K. Mullinix, Principal Investigator. \$49,500.

## **Grants and Extramural Support - 2014 (cont.)**

*Economic and business potentials of regionalized food systems.* Vancity Credit Union Mission Based Grant. K. Mullinix, Principal Investigator. \$50,000.

*Environmental assessment of Southwest British Columbia's bioregional food system future.* Vancouver Foundation. K. Mullinix, Principal Investigator. \$25,000.

*Linking community and the regional economy to Southwest British Columbia's bioregional food system future.* Vancouver Foundation. K. Mullinix, Principal Investigator. \$15,500.

*Southwest British Columbia bioregional food system design and planning.* District of Squamish. K. Mullinix, Principal Investigator. \$6,000.

*Southwest British Columbia bioregional food system design and planning.* Squamish-Lillooet Regional District. K. Mullinix, Principal Investigator. \$5,000.

*Southwest British Columbia bioregional food system design and planning.* City of New West Minster. K. Mullinix, Principal Investigator. \$6,000.

### **2013**

*Sustainable agriculture enterprise budget series.* Vancity enviroFund Program. K. Mullinix Principal, Investigator. \$75,000.

*Southwest British Columbia bioregional food system design and planning.* R. Howard Webster Foundation. K. Mullinix, Principal Investigator. \$120,000.

*Southwest British Columbia bioregional food system design and planning.* City of Burnaby, B.C. K. Mullinix, Principal Investigator. \$12,000.

*Southwest British Columbia bioregional food system design and planning.* City of Maple Ridge. K. Mullinix, Investigator. \$12,000.

*Southwest British Columbia bioregional food system design and planning.* Township of Langley. K. Mullinix, Principal Investigator. \$12,000.

*Southwest British Columbia bioregional food system design and planning.* City of Langley. K. Mullinix, Principal Investigator. \$6,000.

### **2012**

*Southwest British Columbia bioregional food system design and planning.* Vancity. K. Mullinix, Principal Investigator. \$50,000.

*Southwest British Columbia bioregional food system design and planning.* City of North Vancouver. K. Mullinix, Principal Investigator. \$12,000.

*Foundational agri-food system design for the Yukon Territory.* Yukon Agricultural Association and Canada Agriculture Adaptation Program Council- the Yukon. K. Mullinix, Principal Investigator. \$339,435.

*Evaluation of polyculture apple grown in containers.* Evergreen, British Columbia. K. Mullinix, Principal Investigator. \$4,500.

## **Grants and Extramural Support (cont.)**

### **2011**

*Creating a transferable method for bio-regional agri-food systems modeling and planning by designing a bioregional agri-food system for southwest British Columbia.* Real Estate Foundation of British Columbia. K. Mullinix, Principal Investigator. \$300,000.

*Yukon agri-food system model and planning - project proposal.* Yukon Agriculture Association, Whitehorse, YK. K. Mullinix and A. Fallick, Principal Investigators. \$22,500

*Urban agriculture research and demonstration farm concept development.* City of Langley, BC. K. Mullinix and A. Fallick, Principal Investigators. \$5,000

### **2010**

*Richmond Farm School.* VanCity, Vancouver, BC. K. Mullinix, Principal Investigator. \$50,000.

*Enhanced local scale agriculture: Implementing sustainability in Surrey.* Municipality of Surrey, British Columbia. K. Mullinix and A. Fallick, Principal Investigators. \$82,000.

### **2009**

*Assisting municipalities reduce greenhouse gas emissions through Municipal Enabled Sustainable Agriculture.* Office of Research and Scholarship, Kwantlen Polytechnic University. K. Mullinix and A. Fallick, Principal Investigators. \$5,000.

*Development of regional food system strategy and action plan for Whistler, B.C.* Whistler Community Services Society. K. Mullinix and A. Fallick, Principal Investigators. \$15,000.

*Economic potential and governance structures for municipal enabled, human scale agriculture.* Century Group Ltd. K. Mullinix and A. Fallick, Principal Investigators. \$50,000.

*Development of secondary level sustainable agriculture curriculum materials.* Earthwise Society. K. Mullinix, Principal Investigator. \$10,000.

### **2008**

*Perceptions and understanding of the concept of sustainability by diverse horticulture production sectors in lower mainland British Columbia.* Office of Research and Scholarship Kwantlen Polytechnic University. K. Mullinix, Principal Investigator. \$5,000.

### **2006**

Barbara Barron estate gift for benefit of Wenatchee Valley College agriculture programs. Wenatchee Valley College Foundation. \$31,000.

Endowed chair in pomology. Washington State University and Wenatchee Valley College Foundations. \$10,000.

*Grady and Lillie Auvil fund for research and scholarship.* Endowment to Washington Apple Education Foundation, Wenatchee, WA for the benefit of Wenatchee Valley College agriculture programs. \$1,900,000.

## **Grants and Extramural Support - 2006 (cont.)**

*Habitat farming enterprise program.* Chelan County, WA. K. Mullinix, N. Warner, B. Bugert, S. Walker and L. Pelly, Principal Investigators. \$60,000.

*Habitat farming enterprise program.* Washington Rivers Conservancy, Wenatchee, WA. K. Mullinix, N. Warner, B. Bugert, S. Walker and L. Pelly, Principal Investigators. \$2,000.

*Habitat farming enterprise program.* Key Bank, Wenatchee, WA. K. Mullinix, N. Warner, B. Bugert, S. Walker and L. Pelly, Principal Investigators. \$500.

*Habitat farming enterprise program.* Chelan County Conservation District, Wenatchee, WA. K. Mullinix, N. Warner, B. Bugert, S. Walker and L. Pelly, Principal Investigators. \$10,000.

*Healthy lands initiative.* Icicle Fund, Leavenworth, WA. N. Warner, K. Mullinix and J. Kehne, Principal Investigators. \$10,000.

*Healthy lands initiative.* Washington Biodiversity Council, Olympia, WA. N. Warner, K. Mullinix and J. Kehne, Principal Investigators. \$20,000.

### **2005**

*Ten Reasons to buy your food from regional family farms-* booklet development and printing. Community Foundation of North Central Washington, Wenatchee, WA. K. Mullinix Principal Investigator. \$2,000.

*Ten Reasons to buy your food from regional family farms-* booklet development and printing. Cascade Foothills Farmland Association, Leavenworth, Wenatchee, WA. K. Mullinix, Principal Investigators. \$2,000

Endowed chair in pomology. Washington State University and Wenatchee Valley College Foundations. \$10,000

*Habitat farming feasibility analysis.* Chelan County, WA. K. Mullinix and N. Warner, Principal Investigators. \$14,667.

*Perennial crop drought management seminars.* Washington State Department of Ecology. K. Mullinix and J. Heath, Principal Investigators. \$10,000.

### **2004**

Endowed chair in pomology. Washington State University and Wenatchee Valley College Foundations. \$10,000.

*Influence of training systems on hail damage to apples.* National Crop Insurance Services. K. Mullinix and L. Garcia, Principal Investigators. \$3,000.

*RFP Development for Soft White Wheat Identity Preserved Marketing Feasibility Study.* Washington Wheat Growers Association. K. Mullinix, Principle Investigator. \$7,500.

*Specialty mushroom production on apple wood chips from orchard removal.* Washington State Department of Ecology. K. Mullinix and P. Coleman, Principal Investigators. \$14, 400.



## Grants and Extramural Support - 2004 (cont.)

*Sweet cherry variety trial.* North Central Washington Fieldsman's Association. K. Mullinix and R.A. Norton, Principal Investigators. \$2000.

*Sweet cherry variety trial.* Central Washington Nursery Improvement Institute. K. Mullinix and R.A. Norton, Principal Investigators. \$1000.

*Understory management in organic tree fruits and other woody perennial crops.* United States Department of Agriculture. D. Granatstein, K. Mullinix and Lerry Lacey, Principal Investigators. \$31,489.

### 2003

*Adaptation of Latino agriculture workforce programs curricula for the grape production industry.* State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$25,000.

*Alternate weed control in high-density orchards.* Washington Tree Fruit Research Commission. D. Granatstein and K. Mullinix, Principal Investigators. \$1500.

Endowed chair in pomology. Washington State University and Wenatchee Valley College Foundations. \$10,000.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard. VanWell Nursery. \$5,500.

*Sweet cherry variety trial.* Central Washington Nursery Improvement Institute. R.A. Norton and K. Mullinix, Principal Investigators. \$1000.

*Influence of training systems on hail damage to apples.* National Crop Insurance Services. K. Mullinix and L. Garcia, Principal Investigators. \$3,000.

*Washington State Family Farm Summit.* Farming and the Environment. K. Mullinix, Principal Investigator. \$5,000.

*Washington State Family Farm Summit.* AgSupply Company. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* Chelan/Douglas Farm Bureau. K. Mullinix, Principal Investigator. \$250.

*Washington State Family Farm Summit.* Heifer International. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* Key Bank. K. Mullinix, Principal Investigator. \$1,500.

*Washington State Family Farm Summit.* Land-O-Lakes. K. Mullinix, Principal Investigator. \$500.

## **Grants and Extramural Support - 2003 (cont.)**

*Washington State Family Farm Summit.* Lutheran Public Policy Office. K. Mullinix, Principal Investigator. \$400.

*Washington State Family Farm Summit.* McDougal and Sons, Inc. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* North Central Washington Fieldmen's Association. K. Mullinix, Principal Investigator. \$1,500.

*Washington State Family Farm Summit.* North West Sustainable Energy for Economic Development. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* Oneonta Trading Corporation. K. Mullinix, Principal Investigator. \$5,000.

*Washington State Family Farm Summit.* Peshastin Hi-Up Growers. K. Mullinix, Principal Investigator. \$250.

*Washington State Family Farm Summit.* Port of Chelan County. K. Mullinix, Principal Investigator. \$5,000.

*Washington State Family Farm Summit.* Port of Douglas County. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* Washington Farmers Union. K. Mullinix, Principal Investigator. \$500.

*Washington State Family Farm Summit.* Washington State Department of Agriculture. K. Mullinix Principal Investigator. \$14,850.

*Washington State Family Farm Summit.* Washington State Office of Community, Trade and Economic Development. K. Mullinix, Principal Investigator. \$1000.

## **2002**

Endowed chair in pomology. Washington State University and Wenatchee Valley College Foundations. \$12,000.

*Feasibility study of the development and production of high-value fruit juice and European style ciders.* Washington State Department of Agriculture and Washington State Department of Community, Trade and Economic Development. K. Mullinix and T. Elwell, Principal Investigators. \$85,000.

*Influence of training system on hail damage to apple trees.* National Crop Insurance Services. K. Mullinix, and L. Garcia, Principal Investigators. \$3,000.

*Institute for Rural Innovation and Stewardship.* Alcoa Wenatchee Works. K. Mullinix, Principal Investigator. \$100,000.

## Grants and Extramural Support - 2002 (cont.)

*Institute for Rural Innovation and Stewardship.* Federal allocation facilitated by US Senator Patty Murray. K. Mullinix, Principal Investigator. \$175,000.

*Institute for Rural Innovation and Stewardship.* Wenatchee Valley College Foundation. \$145,000.

*Manipulation of soil microbial communities to enhance growth of apple in replant.* M. Mazzola, Principal Investigator, K. Mullinix and D.M. Granatstein, Participant Investigators. Washington Tree Fruit Research Commission. \$6,000.

*Post-harvest handling of horticultural crops.* Eastern Washington Agriculture and Food Processing Partnership. K. Mullinix and P. Tvergyak, Principal Investigators. \$35,000.

*Rural agriculture initiative: phase III.* State Board for Community and Technical Colleges. M. Henkle, K. Mullinix and K. Stepper, Principal Investigators. \$98,520.

*Sweet cherry cultivar evaluation.* Central Washington Nursery Improvement Institute. K. Mullinix and B. Norton, Principal Investigators. \$1,000.

### 2001

*Agricultural crop cooperative training and research laboratory: phase I.* Washington State Board for Community and Technical Colleges. K. Mullinix, M. Henkle and G. Jourdan, Principal Investigators. \$98,750.

*Alternative weed control options for high-density orchards.* Washington Tree Fruit Research Commission. G. Hogue, D. Granatstein, and K. Mullinix, Principal Investigators. \$4,000.

*Agriculture Department renovation project, teaching/laboratory facilities.* Washington State Board for Community and Technical Colleges. K. Mullinix, B. Smith, Principal Investigators. \$743,599.

*Agriculture Department replacement project, greenhouse facilities.* Washington State Board for Community and Technical Colleges. K. Mullinix, B. Smith, Principal Investigators. \$413,065.

*Enhancing biological control of leafrollers through ground cover management and augmentation of alternate hosts for leafroller parasites.* Washington Tree Fruit Research Commission. J. Brunner, K. Mullinix, and D. Granatstein, Principal Investigators. \$10,320.

Endowed Joint Chair in Pomology. Washington State University and Wenatchee Valley College Foundations. \$12,000.

*Food products handling and processing facility maintenance mechanic education.* Eastern Washington Agriculture and Food Processing Partnership. K. Mullinix and G. Jourdan, Principal Investigators. \$55,000.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard. Willow Drive Nursery. \$27,500.

## Grants and Extramural Support - 2001 (cont.)

*Influence of training system on hail damage to apple trees.* National Crop Insurance Services. K. Mullinix, and L. Garcia, Principal Investigators. \$3,000.

*Sweet cherry cultivar evaluation.* Central Washington Nursery Improvement Institute. K. Mullinix and R. Norton, Principal Investigators. \$1000.

### 2000

*Alternative weed control options for high-density orchards.* Washington Tree Fruit Research Commission. G. Hogue, D. Granatstein, and K. Mullinix, Principal Investigators. \$5,000.

*Assessment of the disposition of horticulture professors and the status of horticulture departments relative to the utilization of industry advisors in comparison to horticulture industry perception of higher education responsiveness and relevance.* Washington State University, Partnership 2020 Team Building Grant. K. Mullinix, Principal Investigator. \$4,500.

*Assessing perceptions of and impediments to agricultural careers and post-secondary agriculture education programs by Latinos and Latinas in Eastern Washington agriculture communities.* Washington State University, Partnership 2020 Team Building Grant. K. Mullinix, Principal Investigator. \$4,500.

*Developing a tree fruit integrated pest management technician program curriculum.* Washington State Horticulture Association. K. Mullinix, and B. Gillespie, Principal Investigators. \$10,550.

*Developing and implementing orchard workplace safety education curricula at three levels of existing, formal tree fruit industry technical education programming.* Washington State Department of Labor and Industries. K. Mullinix, Principal Investigator. \$90,000.

Endowed Joint Chair in Pomology. Washington State University and Wenatchee Valley College Foundations. \$12,000.

*Enhancing biological control of leafrollers through ground cover management and augmentation of alternate hosts for leafroller parasites.* Washington Tree Fruit Research Commission. J. Brunner, K. Mullinix, D. Granatstein, Principal Investigators. \$26,202.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard. C & O Nursery. \$22,500.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard. Orondo Fruit Company. \$13,500.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard. VanWell Nursery. \$22,500.

*Influence of training system on hail damage to Fuji apple trees.* National Crop Insurance Services. K. Mullinix, and L. Garcia, Principal Investigators. \$3,000.

## Grants and Extramural Support - 2000 (cont.)

*Integration of undergraduate research projects into the Washington Tree Fruit Program.* Wenatchee Valley College Foundation- Alcoa Excellence in Teaching Award. K. Mullinix, Principal Investigator. \$1,000.

*Sweet cherry variety evaluation.* North Central Washington Fieldman's Association. B. Norton and K. Mullinix, Principal Investigators. \$2,500.

*Sweet cherry variety evaluation.* Central Washington Nursery Improvement Institute. K. Mullinix, Principal Investigator. \$1,000.

### 1999

Endowed Joint Chair in Pomology. Washington State University and Wenatchee Valley College Foundations. \$12,000.

*Enhancing biological control of leafrollers through ground cover management and augmentation of alternate hosts for leafroller parasites.* Washington Tree Fruit Research Commission. J. Brunner, K. Mullinix, Principal Investigators. \$23,300.

In kind donation of fruit tree nursery stock to benefit laboratory orchard. C & O Nursery. \$2,500.

In kind donation of fruit tree nursery stock to benefit laboratory orchard. VanWell Nursery. \$10,000.

*Influence of training system on incidence of hail damage to apple.* National Crop Insurance Service. K. Mullinix, B. Gillespie, R. Garcia, Principal Investigators. \$3,000.

*Orchard mulching.* Washington Tree Fruit Research Commission. G. Hogue, D. Granatstein, K. Mullinix, Principal Investigators. \$4,000.

*Sweet cherry cultivar trial.* Central Washington Nursery Improvement Institute. K. Mullinix, Principal Investigator. \$1,000.

### 1998

Endowed Joint Chair in Pomology. Washington State University and Wenatchee Valley College Foundations. \$12,000.

Miller Travel Award. Washington State Horticulture Association Research and Scholarship Committee. \$1,500.

### 1997

*Hispanic orchard employee education program.* Washington Apple Education Foundation. K. Mullinix, Principal Investigator. \$4,000.

*Infusing sustainable philosophy and practice into the Washington Tree Fruit Program.* Bullitt Foundation. K. Mullinix, Principal Investigator. \$20,000.

## Grants and Extramural Support - 1997 (cont.)

*Infusing sustainable philosophy and practice into the Washington Tree Fruit Program.* In-kind donation of fruit tree nursery stock for development of an organic laboratory orchard. C & O Nursery. \$24,000.

*Infusing sustainable philosophy and practice into the Washington Tree Fruit Program.* In-kind donation of orchard speed sprayer for development of an organic laboratory orchard. Slimline Manufacturing. \$17,000.

*Infusing sustainable philosophy and practice into the Washington Tree Fruit Program.* In-kind donation of Troxler soil moisture probe and accompanying software for laboratory orchard irrigation management. Cascade Consulting, Wenatchee, Washington. \$11,000.

*Infusing sustainable philosophy and practice into the Washington Tree Fruit Program.* In-kind donation of under tree soil cultivator for 'organic' laboratory orchard block. Weed Badger Inc. \$3,500.

Private endowment to support Joint Endowed chair in Pomology and cooperative WSU/WVC tree fruit education programming. Washington State University Foundation. \$1,000,000.

## 1996

*Expansion of the Hispanic Orchard Employee Education Program.* Washington State Board for Community and Technical College. K. Mullinix, Principal Investigator. \$75,000.

*Hispanic Orchard Employee Education Program Curriculum Development.* State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$14,000.

*Hispanic Orchard Employee Education Program.* Washington Apple Education Foundation. K. Mullinix, Principal Investigator. \$5,000.

Private endowment to benefit laboratory orchard development. Wenatchee Valley College Foundation. \$40,000.

## 1995

*Enhancing horticultural baccalaureate degree opportunities for Hispanic people.* U.S. Department of Agriculture Challenge Grant. P. Andrews, K. Mullinix, and G. Gillespie, Principal Investigators. \$144,000.

*Hispanic Orchard Employee Education Program.* Washington State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$46,350.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard development. C & O Nursery. \$20,000.

In-kind donation of fruit tree nursery stock to benefit laboratory orchard development. Willow Drive Nursery. \$21,050.

Private endowment to benefit laboratory orchard development. Wenatchee Valley College Foundation. \$40,000.

## Grants and Extramural Support (cont.)

### 1994

*Development and implementation of an integrated curriculum in English as a second language, civics, math, and horticulture for Hispanic orchard employees.* Washington State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$63,000.

Private endowment to benefit laboratory orchard development. Wenatchee Valley College Foundation. \$30,000.

Private endowment to benefit the Washington Tree Fruit Program. Wenatchee Valley College Foundation. \$10,000.

### 1993

*Hispanic Orchard Employee Education Program development.* Quest for Economic Development. K. Mullinix, Principal Investigator. \$31,000.

Industry study. Washington State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$2,000.

### 1992

*Integration of analytical skills, technical writing skills and tree fruit production application in a soils class laboratory.* Alcoa Excellence in Teaching Award. N. Howard, R. Logan, and K. Mullinix, Principal Investigators. \$1,000.

*High-density tree training, video format (English/Spanish), educational material development.* Washington State Board for Community and Technical Colleges. K. Mullinix, Principal Investigator. \$3,000.

Private endowment to benefit laboratory orchard development. Wenatchee Valley Foundation. \$50,000.

### 1988

George F. Miller Memorial Lecture Series in Agriculture endowment. Mrs. M. Miller. \$50,000.

*Orchard replant curriculum development.* Washington State Board for Community Colleges. K. Mullinix, Principal Investigator. \$1000.

### 1987

*Development of an independent study by correspondence model.* Alcoa Excellence in Teaching Award. K. Mullinix, Principal Investigator. \$1,000.

*Orchard business management curriculum development.* Washington State Board for Community Colleges. K. Mullinix, Principal Investigator. \$7,500.

*Orchard business management record keeping system development.* Washington State Board for Community Colleges. K. Mullinix, Principal Investigator. \$2,500.

## Grants and Extramural Support - 1987 (cont.)

RJR Nabisco/National Association of State Departments of Agricultural Excellence in Agricultural Technology Instruction Award stipend. \$7,000.

Tree Fruit Production Program laboratory orchard fund raising. Wenatchee Valley College Foundation. \$173,000.

## Conference, Symposia and Workshop Organization

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*KPU sustainable Agriculture and Food Systems- Small Farms Conference.* Pacific Agriculture and Trade Show. Abbotsford, BC. (100 attendees each year). 2014, 2015, 2016.

*Sustainable Farm and Agriculture Business Planning.* Planned and facilitated 19 hours of instruction over a two month period. Offered in collaboration with Earthwise Society, Tsawwassen, B.C. (13 enrollees). 2008.

*Dealing with water scarcity: Production and management of tree fruit crops and grapes under drought conditions.* Institute for Rural Innovation and Stewardship and Washington State University Extension. Omak, Wenatchee, Prosser and Buena, WA. (60 persons attended these four, evening seminars). 2005.

*Third National Organic Tree Fruit Research Symposium.* June, 6-8, 2005, Chelan, WA. Washington State University Tree Fruit Research and Extension Center, Wenatchee, WA. (100 attendees, 3-day symposium). 2005.

*Building a Vision: Economy, Community, Environment.* Chelan-Douglas Land Trust, Institute for Rural Innovation and Stewardship, the Nature Conservancy, and North Central Washington Realtors Association. Wenatchee, WA. Organizing committee, (200 attendees, two day conference). 2004.

*Central Washington Farm to Cafeteria Connections.* Washington State Department of Agriculture and Institute for Rural Innovation and Stewardship. Wenatchee, WA. Organizing committee (35 attendees, one day conference). 2004.

*Innovations in Food Systems Education.* Washington State University- Partnership 2020. Pullman, WA. Organizing committee (150 attendees, one day conference). 2003.

*Washington State Family Farm Summit.* Institute for Rural Innovation and Stewardship. Wenatchee WA. Chair organizing committee and led conduct of conference (300 attendees, two day conference). 2003.

*Ecological Economics of Sustainable Horticulture: Symposium on Sustainability of Horticultural Systems in the 21st Century.* International Society for Horticultural Science, XXVI Horticultural Congress. Toronto, Quebec, Canada. Scientific committee and session organizer (100 attendees, one day symposium). 2002.

*Washington Tree Fruit Industry Strategic Planning Summit.* Wenatchee Valley College. Yakima and Wenatchee, WA. Chair organizing committee and led conduct of conference (800 attendees in Yakima, 700 attendees in Wenatchee, one day conference at each locale). 2001.



## **Conference, Symposia and Workshop Organization (cont.)**

*Washington State Horticulture Association Annual Meeting.* Wenatchee, WA. Organizing committee (1500 attendees, three day conference). 1999.

*North American Colleges and Teachers of Agriculture Annual Conference.* Wenatchee, WA. Chair of organizing committee and led conduct of conference (250 attendees, three day conference). 1998.

*International Dwarf Fruit Tree Association Annual Conference.* Wenatchee, WA. Organizing committee (350 attendees, three day conference). 1993.

*Washington Post–Harvest Conference.* Wenatchee, WA. Organizing committee (250 attendees, one day conference). 1987, 1989, and 1991.

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## **Awards**

North American Colleges and Teachers of Agriculture, Journal Award. Honorable mention. 2007.

Alcoa Excellence in Teaching Award. Wenatchee Valley College. 1986, 1993, and 2000.

Miller Travel Award. Washington State Horticulture Association, Research and Scholarship Committee. 1997.

Rotary Award for Vocational Excellence. Rotary Club of Wenatchee, WA. 1997.

Linda Schultz Herzog Award for the Outstanding Faculty Member. Wenatchee Valley College. 1992.

U.S. Secretary of Education's Award for Outstanding Technical Education Program. 1988.

R.J.R. Nabisco/National Association of State Departments of Agriculture Award for Excellence in Agricultural Technology Instruction. 1987.

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## **Community, Industry and Academic Service**

*North American Colleges and Teachers of Agriculture.* Canada Regional Director. 2008 - 2012.

*Association of Family Farms-* Board of Directors. 2006 - 2008.

*Tilth Producers of Washington-* Board of Directors, elected to three year term- 2004 - 2007.

*Association of Family Farms-* national organizing committee; *Washington Association of Family Farms-* organizing committee. 2003 - 2005

Sustainable Food Systems Working Group. Vancouver, BC. - member. 2014 - 2016.

Advisory Board- Journal of Agriculture, Food Systems and Community Development. 2012 - present.

## **Community, Industry and Academic Service (cont.)**

Journal Editorial Board. North American Colleges and Teachers of Agriculture. 1998-present.

Steering Committee- North American Food System Network. 2014- 2016.

Greater Vancouver Regional District- Agriculture Advisory Committee. April 2015- present.

Regional Food System Strategy- working group. Metro Vancouver, BC. 2009.

Loutet Park Urban Farm- Advisory Committee. North Vancouver, BC. 2010.

Chair, Science Division Sub-Task Force on BSc. Sustainability Science curriculum development. Kwantlen Polytechnic University. 2008.

Board Member, Richmond Fruit Tree Sharing Project, Richmond, British Columbia. 2008-2011.

Board Member. Earthwise Society. South Delta, British Columbia. 2008-2009.

Board Member (representing the agriculture sector). North Central Washington Economic Development District. 2004.

Partnership 2020 - Sustainable Food Systems Initiative. Steering committee. Washington State University, Kellogg Foundation. 2000-2003.

Board of Directors, position #5 (publicly elected official). Cascade School District #228, Leavenworth, WA. 1993-1997.

President, 1992; Vice- President, 1991; Secretary, 1990. North Central Washington Fieldmen's Association. Wenatchee, WA.

Research and Scholarship Committee. Washington State Horticulture Association. 1990-2003.

## **Professional Organizations**

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British Columbia Institute of Agrologists

International Society for Horticultural Science

North American Colleges and Teachers of Agriculture

National Farmers Union