

Bibliography, OREI Awards (2004). Organic Extension and Research Initiative, award details and associated bibliographies, grant year 2004. Awards listed by ascending CRIS Accession Number; entries presented in chronological order. URLs last accessed 20-22 November 2017

CRIS accession number: 0201262

Grant number: 2004-51300-02230

Project number¹: NYC-125569

Grant amount: \$575,028

Grant term: 2004-2009

Investigator(s)²: Mohler, C.L.

Title: Building on the best: a systems research and education partnership for increased competitiveness of organic grain and vegetable farms

Publications reported & accessed:

Abstract/conference paper/presentation

- Mohler, C. L., Bjorkman, T., & DiTommaso, A. (2008). *Control of weed size by compost application rate in an organic cropping system*. Weed Science Society of America, Abstracts 48. Abstract retrieved from <http://www.abstractsonline.com/viewer/ViewAbstract.asp?CKey={F83225D5-3386-47B7-94B3-6CEE61438C60}&MKey={352796A4-6F6E-41C5-816D-FC868AA31127}&AKey={94D973B0-073A-48B5-83CA-0646C86117B0}&SKey={53738BBD-247E-4990-9EFF-66DB8D06D239}>

Miscellaneous

- Isaacs, K., Caldwell, B., & Mohler, C.L. (2008, Spring). Organic ridge till vegetables. *Organic Farms, Folks & Foods*, 20-21. Retrieved from <http://www.hort.cornell.edu/extension/organic/ocs/vege/pdfs/2007vegridgettill.pdf>
- Isaacs, K., Mohler, C., Caldwell, B., Schindlebeck, R., & van Es, H. (2008). Organic management improves soil health: results from the Organic Grain Cropping System Experiment. *What's Cropping Up* 18(1), 5-7. Retrieved from <http://scs.cals.cornell.edu/sites/scs.cals.cornell.edu/files/shared/documents/wcu/WCUvol18no1jan-Feb2008.pdf>
- Godwin, G., Ketterings, Q.M., Mohler, C.L., Caldwell, B., & Czymmek, K. (2009). Impact of clover incorporation and ammonium nitrate sidedressing on ammonium, nitrate and Illinois Soil Nutrition Test dynamics over time. *What's Cropping Up*, 19(3), 12-15. Retrieved from http://scs.cals.cornell.edu/sites/scs.cals.cornell.edu/files/shared/documents/wcu/WCUVol19No3_May-June2009.pdf
- Mohler, C. (2009, Spring). Outwitting weeds, part 2. *Organic Farms, Folks & Foods*, 18-19

Publications reported & not accessed:

Miscellaneous

- Roberson, K. (2008, June). A kernel of difference: the growing demand for organic corn means healthier soil, cleaner water and perhaps even better tasting food. *Greenwise Market*, 6

Associated publications mentioned in narrative (absent from publication list):

Website

- Organic Cropping Systems Project (<http://www.hort.cornell.edu/extension/organic/ocs/>)

Thesis

- Shuler, R.E. (2007). *Seed predation by invertebrates: Methodology and assessment of removal rates in the transition to an organic cash grains system* (Master's Thesis). Retrieved from <http://hdl.handle.net/1813/8158>

CRIS accession number: 0201265

Grant number: 2004-51300-02250

Project number¹: VT-0049SG

Grant amount: \$301,161

Grant term: 2004-2009

Investigator(s)²: Parsons, R.L.

Title: Profitability and transitional analysis of northeast organic dairy farms

Publications reported & accessed:

Agricultural experiment station publication

- Dalton, T. J., Parsons, R., Kersbergen, R., Rogers, G., Kauppila, D., McCrory, L., Bragg, L. A., & Wang, Q. (2008). *A comparative analysis of organic dairy farms in Maine and Vermont: farm financial information from 2004-2006* (Bulletin No. 851). Bangor: Maine Agricultural and Forest Experiment Station, University of Maine. Retrieved from http://digitalcommons.library.umaine.edu/aes_bulletin/3/

Abstracts/conference papers/presentations

- Bragg, L. A., Dalton, T. J., Kersbergen, R., & Parsons, R. (2006). Profitability of northeast organic dairy farms. *First International Federation of Organic Agriculture Movements (IFOAM) Conference* (pp. 129-135)
- Parsons, R., Wang, Q., Rogers, G., Kauppila, D., Kersbergen, R., Dalton, T., Bragg, L., McCrory, L., & Gibson, W. (2007). *Profitability of northeast organic dairy farms*. Extension Risk Management Education Conference, Phoenix, AZ. Abstract retrieved from https://agrisk.umn.edu/Conferences/Presentation/profitability_of_northeast_organic_dairy_farm1

- Parsons, R., Wang, Q., Rogers, G., Kauppila, D., Kersbergen, R., Dalton, T., & Bragg, L. (2007). *Profitability of northeast organic dairy farms*. National Farm Management Workshop, Rochester, MN. Abstract retrieved from https://agrisk.umn.edu/Conferences/Presentation/profitability_of_northeast_organic_dairy_farm
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- Parsons, R., Kersbergen, R., & McCrory, L. (2007). Is organic dairying a cash cow? *Hoard's Dairyman* 152(8), 309

Publications reported & not accessed:

Abstracts/conference papers/presentations

- Parsons, R. (2005). *Comparable profitability of northeast organic dairy farms*. Identifying Strategies to Support Sustainable Agriculture in Canada
- Parsons, R., Dalton, T., & Wang, Q. (2006). *How profitable are northeast organic dairy farms?* Northeast Agricultural and Resource Economics Association Annual Meeting, Mystic, CT
- Parsons, R. (2006). *Profitability of New England organic dairy farms*. New Hampshire Grazing Conference, Concord, NH
- Parsons, R., Wang, Q., & Kersbergen, R. (2007). *Profitability and economics of northeast organic dairy farms for 2005*. Northeast Grazing Consortium Annual Meeting, State College, PA
- Parsons, R., Wang, Q., & Dalton, T. (2008). *Costs and returns to northeast organic dairy farms: a 3-year analysis*. Northeast Agricultural and Resource Economics Association Annual meeting, Quebec, Canada
- Parsons, R. & Wang, Q. (2009). *Long term profitability of New England organic dairy farms: a 4 year analysis*. Northeastern Agricultural and Resource Economics Association meeting, Burlington, VT
- Parsons, R. (2009). *Economic overview of the organic dairy sector*. Crops, Soils, and Agronomy Conference - Northeast Branch, Portland, ME

Associated publications mentioned in narrative (absent from publication list): None

CRIS accession number: 0201286

Grant number: 2004-51300-02223

Project number¹: WNW-2004-05153

Grant amount: \$303,267

Grant term: 2004-2008

Investigator(s)²: Mazzola, M.

Title: Use of resident biological resources for the management of replant disease in organic tree fruit production systems

Publications reported & accessed:

Appearing in peer-reviewed journals or series

- Cohen, M.F., Yamasaki, H., & Mazzola, M. (2005). *Brassica napus* seed meal soil amendment modifies microbial community structure, nitric oxide production and incidence of Rhizoctonia root rot. *Soil Biology & Biochemistry* 37, 1215-1227. doi:10.1016/j.soilbio.2004.11.027. Retrieved from <http://naldc.nal.usda.gov/download/6818/PDF>
- Mazzola, M. & Mullinx, K. (2005). Comparative field efficacy of management strategies containing *Brassica napus* seed meal or green manure for the management of apple replant disease. *Plant Disease* 89, 1207-1213. doi:10.1094/PD-89-1207. Retrieved from <http://apsjournals.apsnet.org/doi/pdfplus/10.1094/PD-89-1207> and <http://naldc.nal.usda.gov/download/1314/PDF>
- Fazio, G. & Mazzola, M. (2005). Target traits for the development of marker assisted selection of apple rootstocks-prospects, benefits, and limitations. *Acta Horticulturae* 663, 823-827
- Mazzola, M., Brown, J., Izzo, A., Abi-Ghanem, R., & Cohen, M.F. (2006). Progress towards development of biologically-based strategies for the management of apple replant disease. *Phytopathologia Polonica* 39, 11-18. Retrieved from <http://www.bashanfoundation.org/michael/michaelprogress.pdf>
- Cohen, M.F. & Mazzola, M. (2006). Resident bacteria, nitric oxide emission and particle size modulate the effect of *Brassica napus* seed meal on disease incited by *Rhizoctonia solani* and *Pythium* spp. *Plant and Soil* 286, 75-86. doi:10.1007/s11104-006-9027-1. Retrieved from <http://naldc.nal.usda.gov/download/8332/PDF>
- Cohen, M.F. & Mazzola, M. (2006). Effects of *Brassica napus* seed meal amendment on soil populations of resident bacteria and *Naegleria americana*, and the unsuitability of arachidonic acid as a protozoan-specific marker. *Journal of Protozoology Research* 16, 16-25. Retrieved from <http://naldc.nal.usda.gov/download/8372/PDF>
- Mazzola, M. (2007). Manipulation of rhizosphere bacterial communities to induce suppressive soils. *Journal of Nematology* 39(3), 213-220. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2586500/> and <http://naldc.nal.usda.gov/download/14578/PDF>
- Mazzola, M., Brown, J., Izzo, A., & Cohen, M.F. (2007). Mechanism of action and efficacy of seed meal-induced pathogen suppression differ in a Brassicaceae species and time-dependent manner. *Phytopathology* 97, 454-460. doi:10.1094/PHYTO-

97-4-0454. Retrieved from <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-97-4-0454> and <http://naldc.nal.usda.gov/download/8729/PDF>

- Hoagland, L., Carpenter-Boggs, L., Granatstein, D., Mazzola, M., Smith, J., Peryea, F., & Reganold, J.P. (2008). Orchard floor management effects on nitrogen fertility and biological activity in a newly established organic apple orchards. *Biology & Fertility of Soils* 45(1):11-18. doi:10.1007/s00374-008-0304-4. Retrieved from <http://naldc.nal.usda.gov/download/35719/PDF>
- Hoagland, L., Carpenter-Boggs, L., Reganold, J., & Mazzola, M. (2008). Role of native soil biology in brassicaceous seed meal-induced weed suppression. *Soil Biology & Biochemistry* 40(7), 1689-1697. doi:10.1016/j.soilbio.2008.02.003. Retrieved from <http://naldc.nal.usda.gov/download/17131/PDF>
- Wissuwa, M., Mazzola, M., & Picard, C. (2009). Novel approaches in plant breeding for rhizosphere-related traits. *Plant and Soil* 321(1-2), 409-430. doi:10.1007/s11104-008-9693-2
- Mazzola, M., Brown, J., Zhao, X., Izzo, A., & Fazio, G. (2009). Interaction of brassicaceous seed meal and apple rootstock on recovery of *Pythium* spp. and *Pratylenchus penetrans* from roots grown in replant soils. *Plant Disease* 93, 51-57. doi:10.1094/PDIS-93-1-0051. Retrieved from <http://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-93-1-0051> and <http://naldc.nal.usda.gov/download/26834/PDF>

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- Cohen, M.F., Brown, J., & Mazzola, M. (2005). Infectivity of *Pythium* toward apple seedlings in soil amended with low-glucosinolate *Brassica napus* seed meal. *Phytopathology* 95, S20. doi: 10.1094/PHYTO.2005.95.6.S1. Abstract retrieved from <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO.2005.95.6.S1>
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- Mazzola, M., Cohen, M.F., & Brown, J. (2005). Effect of Brassicaceae seed meals on microbial communities and growth of apple in replant soils. *Phytopathology* 95, S67. doi: 10.1094/PHYTO.2005.95.6.S1. Abstract retrieved from <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO.2005.95.6.S1>
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- Mazzola, M., & Granatstein, D. (2007). Potential of brassicaceae seed meal formulations for replant disease control in conventional and organic orchard systems. *Proceedings of the Annual Meeting of the Washington State Horticultural Association* 103

- Mazzola, M., & Zhao, X. (2007). Differential impact of brassicaceae seed meals on numbers and composition of *Pythium* populations indigenous to orchard soils. *Phytopathology* 97, S72. doi: 10.1094/PHYTO.2007.97.7.S1. Abstract retrieved from <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO.2007.97.7.S1>
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- Mazzola, M. (2008). Consideration of soil biology in the *Brassica* seed meal-induced control of *Rhizoctonia solani*. *Journal of Plant Pathology: An International Journal of the Italian Phytopathological Society* 90 (p. S2-415)

Miscellaneous

- Fazio, G., Robinson, T., Aldwinckle, H., Mazzola, M., Leinfelder, M., & Parra, R. (2005). Traits of the next wave of Geneva apple rootstocks. *Compact Fruit Tree* 38, 7-11
- Cohen, M.F., Mazzola, M., & Yamasaki, H. (2006). Nitrogen oxidations in bacterium-plant interactions [letter to the editor]. *Microbe* 1, 347

Publications reported & not accessed:

Abstracts/conference papers/presentations

- Mazzola, M., & Abi-Ghanem, R. (2006). Application of brassicaceous seed meals for the management of apple replant disease. *Proceedings of the Second International Biofumigation Conference* (p. 56)
- Mazzola, M., Hoagland, L., Carpenter-Boggs, L., Abi-Ghanem, R., & Cohen, M.F. (2006). Contribution of resident soil microorganisms to brassicaceae seed meal-induced disease and weed suppression. *Proceedings of the Second International Biofumigation Conference* (p. 57)

Associated publications mentioned in narrative (absent from publication list):

Dissertation

- Hoagland, Lori A. (2007). *Impact of soil biology on nitrogen cycling and weed suppression under newly established organic orchard floor management systems* (Doctoral dissertation). Retrieved from http://www.dissertations.wsu.edu/Dissertations/Spring2007/1_hoagland_041807.pdf

Extension publication

- Hoagland, L. A. (n.d.) *Managing Orchard Understory and Organic Amendments for Nitrogen Fertility*. Pullman: Washington State University Extension. Not found

CRIS accession number: 0201292
Grant number: 2004-51300-02229
Project number¹: NYC-149550
Grant amount: \$894,450
Grant term: 2004-2008
Investigator(s)²: Jahn, M.
Title: The Organic Seed Partnership

Publications reported & accessed:

Appearing in peer-reviewed journals or series

- Quirin, E.A., Oguniwin, E.A., Prince, J.P., Mazourek, M., Briggs, M.O., Chlanda, T.S., Kim, K.T., Falise, M., Kang, B-C, & Jahn, M.M. (2005). Development of sequence characterized amplified region (SCAR) primers for the detection of *Phyto.5.2*, a major QTL for resistance to *Phytophthora capsici* Leon. in pepper. *TAG 110*, 605-612. doi:10.1007/s00122-004-1874-7
- Yeam, I., Kang, B.C., Lindeman, W., Frantz, J.D., Faber, N., & Jahn, M.M. (2005). Allele-specific CAPS markers based on point mutations in resistance alleles at the *pvr1* locus encoding eIF4E in *Capsicum*. *TAG 112*, 178-186. doi:10.1007/s00122-005-0120-2. Retrieved from http://potatogenome.berkeley.edu/nsf5/wsd_ims/documents/files/1138680778_yeam-kang-jahn.pdf
- Kang, B.C., Yeam, I., & Jahn, M.M. (2005). Genetics of plant virus resistance. *Annual Review of Phytopathology 43*, 581-621 doi:10.1146/annurev.phyto.43.011205.141140
- Henning, M.J., Munger, H.M., & Jahn, M.M. (2005). 'PMR Delicious 51': An improved open-pollinated melon with resistance to powdery mildew. *HortScience 40*(1), 261-262. Retrieved from <http://hortsci.ashspublications.org/content/40/1/261.full.pdf+html>
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- Mazourek, M., Moriarty, G., Glos, M., Fink, M., Kreitinger, M., Henderson, E., Palmer, G., Chickering, A., Rumore, D.L., Kean, D., Myers, J.R., Murphy, J.F., Kramer, C., & Jahn, M. (2009). 'Peacework': a *Cucumber mosaic virus*-resistant early red bell pepper for organic systems. *HortScience 44*(5), 1464-1467. Retrieved from <http://hortsci.ashspublications.org/content/44/5/1464.full.pdf+html>
- Mendum, Ruth M. (2009). Subjectivity and plant domestication: decoding the agency of vegetable food crops. *Subjectivity 28* (September), 316-333. doi:10.1057/sub.2009.15

- Mendum, R. & Glenna, L.L. (2010). Socioeconomic obstacles to establishing a participatory plant breeding program for organic growers in the United States. *Sustainability* 2, 73-91. doi:10.3390/su2010073. Retrieved from <http://www.mdpi.com/2071-1050/2/1/73/pdf>

Book chapter

- Miles, C., Granatstein, D., Huggins, D., Jones, S., & Myers, J. (2010). Pacific Northwest (U.S.): diverse movements toward sustainability amid a variety of challenges. In S. R. Gliessman & M. Rosemeyer (Eds.), *The Conversion to Sustainable Agriculture: Principles, Processes, and Practices* (pp. 91-116). New York: CRC Press. Retrieved from [http://anythinganywhereanytime.synthasite.com/resources/The Conversion to Sustainable Agriculture - S. Gliessman, et. al., \(CRC, 2010\) BBS.pdf](http://anythinganywhereanytime.synthasite.com/resources/The%20Conversion%20to%20Sustainable%20Agriculture%20-%20S.%20Gliessman,%20et.%20al.,%20(CRC,%202010)%20BBS.pdf)

Abstracts/conference papers/presentations

- Chinthakuntia, R., Mentreddy, R.S., Igbowke, P., Jackson, F.D., Matta, F.B., Reddy, O.U.K., Jahn, M., Licata, L., & Keltra, S.D. (2006). Evaluation of different types of mulches for organic production of cucumber. *Journal of the Mississippi Academy of Sciences* 51(1), 25. Abstract retrieved from <http://msacad.org/journal/jan06journal/mas06.pdf>
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Extension publication

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Miscellaneous

- Dyck, E. (2005, Fall). The extraordinary all around us: farmer breeders and seed savers visited during the 2005 season. *Organic Farms, Folks, and Foods*, 8-9
- Dyck, E. (2006, Spring). Participation and projects grow in the Organic Seed Partnership. *Organic Farms, Folks, and Foods*, 11-12
- Dyck, E. (2006, Fall). Information shared- and generated - at 2006 OSP on-farm workshops. *Organic Farms, Folks, and Foods*, 7-8
- Dyck, E. (2007, Summer). The Organic Seed Partnership Project in its Final Year. *Organic Farms, Folks, and Foods*, 6-7

Publications reported & not accessed:

Miscellaneous

- Colley, M.R., & Myers, J.R. (2007). On-farm variety trials: A guide for organic vegetable, herb, and flower producers. Organic Seed Alliance, Port Townsend, WA.

Associated publications mentioned in narrative (absent from publication list):

Website

- Organic Seed Partnership (<http://www.plbr.cornell.edu/psi>). Available via the Internet Archive's WayBack Machine

CRIS accession number: 0201343

Grant number: 2004-51300-02232

Project number¹: CALW-2004-05136

Grant amount: \$571,902

Grant term: 2004-2009

Investigator(s)²: Gliessman, S.R.

Title: Improving fertility and pest management strategies for organic crop production and strengthening researcher/grower networks

Publications reported & accessed:

Appearing in peer-reviewed journals or series

- Pasakdee, S., Banuelos, G., Shennan, C., & Cheng, W. (2007). Organic N fertilizers and irrigation influence organic broccoli production in two regions of California. *Journal of Vegetable Science* 12(4), 27-46. Retrieved from <http://ucanr.org/sites/nm/files/76623.pdf>
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- Gaskell, M. & Smith, R. (2007). Nitrogen sources for organic vegetable crops. *HortTechnology* 17, 431-441. Retrieved from <http://horttech.ashspublications.org/content/17/4/431.full.pdf+html>
- Gaskell, M., Bolda, M., Muramoto, J., & Daugovish, O. (2009). Strawberry nitrogen fertilization from organic nutrient sources. *Acta Horticulturae* 842, 385-388
- Pickett, C.H., Swezey, S.L., Nieto, D.J., Bryer, J.A., Erlandson, M., Goulet, H., & Schwartz, M.D. (2009). Colonization and establishment of *Peristenus relictus* (Hymenoptera: Braconidae) for control of *Lygus* spp. (Hemiptera: Miridae) in strawberries on the California Central Coast. *Biological Control* 49, 27-37. doi:10.1016/j.biocontrol.2008.09.009. Retrieved from http://qs1252.pair.com/monarchm/casfs/wp-content/uploads/2010/04/Pickett_et_al_Peristenus.pdf

Book

- Gliessman, S. R. (2007). *Agroecology: The Ecology of Sustainable Food Systems, 2nd ed.* New York: CRC Press
- Gliessman, S. R. & M. Rosemeyer (Eds.). (2010) *The Conversion to Sustainable Agriculture: Principles, Processes, and Practices.* New York: CRC Press. Retrieved from [http://anythinganywhereanytime.synthasite.com/resources/The Conversion to Sustainable Agriculture - S. Gliessman, et. al., \(CRC, 2010\) BBS.pdf](http://anythinganywhereanytime.synthasite.com/resources/The%20Conversion%20to%20Sustainable%20Agriculture%20-%20S.%20Gliessman,%20et.%20al.,%20(CRC,%202010)%20BBS.pdf)

Book chapters

- Gliessman, S. R. (2007). Conversion of a strawberry production system. In S. R. Gliessman, *Agroecology: The Ecology of Sustainable Food Systems, 2nd ed.* (pp. 292-2950 New York: CRC Press

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- Monsen, K.L., Shennan, C., & Schneider, R. (2005). *Estimating biological N fixation in vegetable production systems with annual legume inputs*. Agronomy Society of America Annual Meeting, Salt Lake City, UT. Abstract retrieved from <http://a-c-s.confex.com/crops/2005am/techprogram/P8718.HTM>
- Monsen, K., & Shennan, C. (2006). *Incorporating N fixation uncertainty into nitrogen budgets for organic vegetable farms*. World Congress of Soil Science, Philadelphia, PA. Abstract retrieved from <http://acs.confex.com/crops/wc2006/techprogram/P18585.HTM>
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- Smith, R., Muramoto, J., Leap, J., Shennan, C., & Gliessman, S. (2007). Nitrogen uptake by organic broccoli from a legume/cereal mix cover crop. *HortScience* 42, 952-953. Abstract retrieved from <http://hortsci.ashspublications.org/content/42/4/919.full.pdf+html>
- Daugovish, O., Downer, J., & Mochizuki, M. (2007). Mustard-derived biofumigation for lettuce in coastal California. *HortScience* 42, 953. Abstract retrieved from <http://hortsci.ashspublications.org/content/42/4/919.full.pdf+html>
- Monsen, K. (2007). *Lazy legumes or busy beans? High N fixation rates of winter cover crops across soil fertility levels*. Ecological Society of America Annual Meeting, San Jose, CA. Abstract retrieved from <https://eco.confex.com/eco/2007/techprogram/P6404.HTM>
- Pisani Gareau, L., Shennan, C., & Letourneau, K. (2007). *Hedgerows: enhancing conservation biological control potential in California annual vegetable systems?* Ecological Society of America Annual Meeting, San Jose, CA. Abstract retrieved from <https://eco.confex.com/eco/2007/techprogram/P7215.HTM>
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