

CURRICULUM VITAE

NAME

Bartolo, Michael E

ADDRESS

Arkansas Valley Research Center
Residence

PHONE

(719) 254-6312

EDUCATION

1990 Ph D, University of Minnesota

1986 MS, Colorado State University

1984 BS, Colorado State University

OTHER POSITIONS

2002 - Present Senior Research Scientist and Manager, Colorado State University.

1991 - 2002 Research Scientist, Colorado State University.

1987 - 1990 Research Associate, University of Minnesota.

1984 - 1986 Research Associate, Colorado State University.

PUBLISHED WORKS

Refereed Journal Articles

Halvorson, A. D., Bartolo, M. E. Nitrogen Source and Rate Effects on Irrigated Corn Yields and Nitrogen-Use Efficiency. *Agronomy Journal*, 105, 1-13.

Schwartz, H. F., Alston, D., Alwang, J., Bartolo, M. E., Blunt, T. D., Boateng, C., Bunn, B., Cramer, C., Cranshaw, W. S., Davidson, J. W., Derie, M., Douce, K., Drost, D., du Toit, L., Gour, T., Gugino, B., Hammon, B., Hardin, J. G., Hausbeck, M., Jibilian, G., Lafferty, J., LaForest, J., McMillan, M. S., Mohan, K., Morrice, J., Nault, B., Nischwitz, C., Norton, G., Otto, K., Pappu, H., Petersen, M., Sampangi, R., Schroeder, B., Secor, W., Szostek, S., Tisserat, N. A., Uchanski, M., VanKirk, J., Waters, T., Wiriyaitsomboon, P., Wohleb, C. (2014). Onion ipmPIPE: A coordinated effort to improve the management of onion thrips and Iris yellow spot virus for onion growers and their industry. *APS Plant Health Progress*, 15, 172-183. <http://www.apsnet.org/publications/apsnetfeatures/Documents/2014/PHP-FE-14-0026.pdf>

Gent, D. H., Lang, J. M., Bartolo, M. E., Schwartz, H. F. (2005). Inoculum sources and survival of *Xanthomonas axonopodis* pv *allii* in Colorado. *Plant Disease*, 89, 507-514.

Bartolo, M. E., Schwartz, H. F., Schweissing, F. C. (1994). Yield and growth response of onion to simulated storm damage. *HortScience*, 29(12), 1465-1467.

Non-Refereed Journal Articles

Johnson, J. J., Hain, J. P., Sauer, S. M., Larson, K., Jahn, C. E., Turner, M., Bartolo, M. E., Davidson, J. W.,

- Brick, M. A., Schwartz, H. F., Vigil, M., Meyer, R., Jewell, K. S. (2014). 2013 Colorado Spring Crop Variety Performance Trial Results. *High Plains Journal*.
- (2013). *2012 Colorado spring crop variety performance trials*. High Plains Journal January 2013.
- (2012). *Alfalfa Variety Performance Test at Rocky Ford- 2009* (pp. 3-Feb). Arkansas Valley Research Center, Reports Colorado State University Agric ExpStn TR 12-5 January.
- (2012). *Cantaloupe Foliar Nutrient and Growth Regulator Trial* (pp. 25-26). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Corn Fallow Trial* (pp. 7-Jun). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Corn Glyphosate Antagonism Trial* (pp. 5-Apr). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Effect of Water Quality on Cantaloupe Yield and Quality* (pp. 14-17). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Effect of Water Quality on Watermelon Yield and Quality* (pp. 18-21). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Making Better Decisions, 2012 Colorado Corn Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR 12-13 December.
- (2012). *Making Better Decisions, 2012 Colorado Dry Bean Variety Performance*. Colorado State University Agric Exp Stn Technical Report TR 12-12 November.
- (2012). *Making better decisions, 2012 Colorado winter wheat performance trials, 2012 Colorado certified seed directory*. High Plains Journal August.
- (2012). *Making Better Decisions, 2012 Colorado Winter Wheat Variety Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR 12-11 August 2012.
- (2012). *Onion Thrips Tolerance Trial* (pp. 13-Nov). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Onion Variety Trial* (pp. 10-Aug). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- (2012). *Organic Seed Production Trial* (pp. 22-24). Arkansas Valley Research Center 2009 Reports, Colorado State University Ag Expt Station Technical Report 12-5 January.
- Johnson, J. J., Brick, M. A., Schwartz, H. F., McMillan, M. S., Sauer, S. M., Bartolo, M. E., Davidson, J. W., Hain, J. P., Jewell, K. S., Ogg, J. B., Andales, A. A., Otto, K. (2012). *Making Better Decisions –2012 Colorado Dry Bean Variety Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR 12-12, 14 pp.
- (2011). *Making Better Decisions, 2011 Colorado Corn Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR 11-09 December.
- (2011). *Making Better Decisions, 2011 Colorado Winter Wheat Variety Performance Trials*. Colorado State

University Agric Exp Stn Technical Report TR 11-07 August.

- (2011). *Making Better Decisions, 2011 Colorado Dry Bean Variety Performance*. Colorado State University Agric Exp Stn Technical Report TR 11-10 November.
- Johnson, J. J., Brick, M. A., Schwartz, H. F., Andales, A. A., Bartolo, M. E., Hain, J. P., Jewell, K. S., Sauer, S. M., McMillan, M. S., Ogg, J. B., Otto, K. (2011). *Making Better Decisions – 2011 Dry Bean Variety Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR11-10, 12 pp.
- (2010). *Alfalfa ET from a weighing lysimeter in the Arkansas Valley of Colorado*. Proceedings of the American Society of Agricultural and Biological Engineers Phoenix, Arizona Dec 5-8.
- (2010). *Chile Pepper Response to Nitrogen Fertilization* (pp. 39-42). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Corn as a Nitrogen Scavenger Crop Following Onion in Rotation* (pp. 16-18). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Corn Fallow Trial* (pp. 14-15). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Effect of Water Quality on Cantaloupe Yield and Quality* (pp. 31-34). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Effect of Water Quality on Watermelon Yield and Quality* (pp. 35-38). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Making Better Decisions, 2010 Colorado Corn Performance Trials*. Colorado State University Agric Exp Stn Technical Report TR 10-12 November.
- (2010). *Making Better Decisions, 2010 Colorado Dry Bean Variety Performance*. Colorado State University Agric Exp Stn Technical Report TR 10-09 October.
- (2010). *Making Better Decisions: 2010 Colorado Wheat Variety Performance Trials*. TR10-08 , Colorado State Univ, Ft Collins, CO.
- (2010). *Mapping ET in Southeastern Colorado using a surface aerodynamic temperature model*. Proceedings of United States Committee on Irrigation and Drainage Fort Collins, CO Sept 28-Oct 1.
- (2010). *Onion Disease Trials* (pp. 19-21). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Onion Insecticide Trials* (pp. 25-30). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Onion Thrips Tolerance Trials* (pp. 22-24). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Onion Variety Trial-2008* (pp. 16-18). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.
- (2010). *Pepper Foliar Nutrient and Growth Regulator Trial* (pp. 43-44). Arkansas Valley Research Center 2008 Reports, CSU Ag Expt Station Technical Report 10-13.

(2010). *Remote sensing ET of alfalfa using a surface aerodynamic temperature model*. Proceedings of the American Society of Agricultural and Biological Engineers Phoenix, Arizona Dec 5-8.

(2010). *Surface aerodynamic temperature derived from wind/temperature profile over cotton and alfalfa in a semi-arid environment*. Proceedings of the World Environmental and Water Resource Congress American Society of Civil Engineers.

AES Report/Bulletin

Johnson, J. J., Haley, S. D., Sauer, S. M., Larson, K., Bartolo, M. E., Davidson, J. W., Peairs, F. B., Tisserat, N. A., Westra, P., Davis, J. G., Novak, R. A., Vigil, M., Mostek, G., Bosley, B., Meyer, R., Trujillo, W., Irell, B. *Making better decisions: 2012 Colorado wheat variety performance trials*. (vol. TR13-4, pp. 51). Fort Collins, CO: AES.

Johnson, J. J., Brick, M. A., Schwartz, H. F., McMillan, M. S., Sauer, S. M., Bartolo, M. E., Davidson, J. W., Hain, J. P., Jewell, K. S., Ogg, J. B., Andales, A. A., Otto, K. (2013). *Making Better Decisions – 2013 Colorado Dry Bean Variety Performance Trials* (13-5 ed., pp. 14). Fort Collins, Colorado: CSU Agr. Exp. Station.

Schwartz, H. F., Bartolo, M. E., Hardin, J. G., Cranshaw, W. S., Nissen, S. J., Szostek, S., Reddin, K., Cramer, C., Uchanski, M. E., Alston, D. G., Rost, D., du Toit, L. J., Pappu, H. R., Schroeder, B. K., Waters, T., Dutta, B., Srinivasan, R., Gitaitis, R. D., Nault, B. A. (2013). In H. F. Schwartz and M. E. Bartolo (Ed.), *Onion Health Management and Production* (pp. 104). Fort Collins, Colorado: CSU IPM Center.

Magazine/Trade Publication

Johnson, J. J., Hain, J. P., Sauer, S. M., Larson, K., Jewett, F. G., Jahn, C. E., Turner, M., Bartolo, M. E., Davidson, J. W., Brick, M. A., Schwartz, H. F., Vigil, M., Jewell, K. S. (2012). *2012 Colorado Spring Crop Variety Performance Trial Results*. High Plains Journal.

Newsletter

Bauder, T. A., Doesken, N., Schwartz, H. F., Bartolo, M. E. (2009). *Demonstration of the Colorado Agricultural Meteorological Network (COAGMET) for Improved Irrigation and Pest Management in the Arkansas Valley* (3rd ed., vol. 26). Colorado Water - Colorado Water Institute.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

November 4, 2013, "Evapotranspiration Measurements Using Weighing Lysimeters: The Rocky Ford Experience", ASA, CSSA, and SSSA International Annual Meetings, Tampa, Florida.

February 5, 2013, "Arkansas Valley Research", East Otero CD Annual Meeting, East Otero Conservation District, Swink, Colorado.

January 21, 2013, "Onion Research In the Arkansas Valley", Colorado Onion Association, Colorado Onion Association, (Presenter) Bartolo, M. E., Eaton, Colorado.

January 16, 2013, "Grower Labor Practices", Department of Labor Meeting, Colorado Department of Labor, Rocky Ford.

2012, "Arkansas River Basin Forum, Apr. 26, Leadville".

2012, "AVRC Advisory Council Meeting, Dec. 3, Rocky Ford".

2012, "AVRC Field Day, Sept. 6, Rocky Ford".

2012, "Cantaloupe Growers Meeting, Feb. 29, Rocky Ford".

2012, "Cantaloupe Growers Meeting, Feb. 3, Rocky Ford".

2012, "Cantaloupe Growers Meeting, Feb. 7, Rocky Ford".

2012, "Cantaloupe Press Conference and Interviews, Apr. 19, Rocky Ford".

2012, "Colorado Big and Small Conference, Feb. 14, Brighton.".

2012, "Colorado DWR Field Tour, Sept. 24, Rocky Ford".

2012, "Colorado Onion Association, Jan. 26, Eaton".

2012, "CSU Ag Econ Class Tour, Aug. 3, Rocky F Ford".

2012, "Drip Irrigation Seminar, Dec. 6, Rocky Ford".

2012, "East Otero CD, Feb. 6, Rocky Ford.".

2012, "Extension Forum Poster Session, Nov. 8, Fort Collins".

2012, "Food Safety Training and Webinar with Dr. Suslow, Mar. 27, La Junta".

2012, "Food Safety- GAP Training, Mar. 13, Rocky Ford".

2012, "Kansas FFA Tour, June 30, Rocky Ford".

2012, "Master Gardener Tour, June 27, Rocky ford".

2012, "Otero Junior College Class Tour, Aug. 21, Rocky Ford".

2012, "President Frank Group Tour, July 25, Rocky Ford".

2012, "Rocky Mountain Food Safety Conference, May 15, Golden".

2012, "SE Area Extension Agent Meeting, Mar.1, Las Animas".

2012, "TENS - Science Teacher Tour, July 18, Rocky Ford".

2011, "Advisory Council Meeting, December 14, Rocky Ford".

2011, "Australian Onion Researcher Tour, May 18, Rocky Ford".

2011, "Cantaloupe Informational Meeting, September 19, Rocky Ford".

2011, "Cantaloupe Listeria Overview Meeting, December 7, Fort Collins".

2011, "Colorado Agriculture Big and Small Conference, "Vegetable Crop Research" February 16, Brighton".

2011, "Colorado Department of Ag. Grower Meeting, November 14, Rocky Ford".

2011, "Colorado Department of Health Info. Meeting, October 21, Rocky Ford".

2011, "Colorado Food Council Advisory Board, December 16, Pueblo".

2011, "Colorado Onion Association, January 27, Eaton.".

2011, "Colorado Tourism Board, September 1, Pueblo".

2011, "CSU Irrigation Class Tour, August 19, Rocky Ford".

2011, "East Otero Conservation District Meeting, February 1, Rocky Ford.".

2011, "Extension/AES Meeting Fort Collins".

2011, "Farm and Ranch Symposium-Pro and Cons of Organics, February 3, Rocky Ford.".

2011, "FFA Instructors Field Tour, June 13, Rocky Ford".

2011, "Home School Field Tour, October 20, Rocky Ford".

2011, "Judge Vegetable Crops – State Fair,

August 29, Pueblo".

2011, "Judge – Arkansas Valley Fair, August 11, Rocky Ford".

2011, "Lions Club Meeting, January 5, Rocky Ford".

2011, "Lions Club Meeting, September 26, Rocky Ford".

2011, "Master Gardner Tour, August 11, Rocky Ford".

2011, "Otero Junior College Field Tour, August 26, Rocky Ford".

2011, "Plant Nutrition Class for Beginning Farmer Program, January 25, Pueblo".

2011, "Pueblo County Ag Instructor Tour, July 13, Rocky Ford".

2011, "Pueblo Leadership Class, May 20, Pueblo 10.".

2011, "SE Area Extension Meeting, December 13, Las Animas".

2011, "Senator Bennett Tour , September 2, Rocky Ford".

2011, "Tasmanian Agriculture Tour, October 12, Rocky Ford".

2011, "Yuma County Extension Vegetable Crop Production. April 6, Yuma".

2010, "Advisory Council Meeting, December 6, Rocky Ford".

2010, "AVRC Field day, September 9, Rocky Ford".

2010, "Beginning Farmer s presentaion, November 1, Pueblo".

2010, "Chef Field Tour August 11, Rocky Ford".

2010, "Colorado Agriculture Big and Small Conference, Vegetable Crop Research February 25, Brighton.".

2010, "Colorado County Agents meeting, November 4, Pueblo".

2010, "Colorado Onion Association, January 28, Eaton.".

2010, "East Otero Conservation District Meeting, February 1, Rocky Ford."

2010, "Judge Vegetable Crops State Fair, August 29, Pueblo."

2010, "Market Maker Informational Meeting. April 16, Rocky Ford."

2010, "Otero Junior College Field Tour (2 Classes), August 26, Rocky Ford."

2010, "Pueblo Leadership Class, May 21, Pueblo".

2010, "Rocky Ford Middle School Job Shadowing Program March 26".

2010, "Vegetable Crops Judge Arkansas Valley Fair August 11, Rocky Ford".

2010, "Water Student Field Tour, August 30, Rocky Ford."

OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(May 15, 2002 - May 15, 2015). Qualified Supervisor Pesticide App, Colorado Department of Agriculture.

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2013	Spring	Soil and Crops - Otero Junior College		Face to Face

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Presentation

Colorado Prduce Growers Association and WGA. Greeley, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 50%. 2012.

Colorado Onion Association research Update. Eaton, CO. Number of times program was made: 1. Total number of participants: 60. Percent Responsible: 100%. 2012.

Technical Advisor - Speciaity Crops Program

Farm Direct Organic Seed. Arkansas valley, CO. Number of times program was made: 1. Total number of participants: 10. Percent Responsible: 10%. 2013.

Fountain Dry Bean Project. Colorado Springs and Pueblo, CO. Number of times program was made: 1. Total number of participants: 4. Percent Responsible: 10%. 2013.

COMMITTEES

(2012).

(2012).

AVRC Manager, (2003 - 2012).

(2011).

(2011).

(2010).

(2010).

(2010).

(2010).

College of Agriculture Dean Search, (July 1, 2014 - July 1, 2015).

AES Assistant Director Search Committee, (January 2013 - June 2013).

(2012).

(2012).

AVRC Manager, (2003 - 2012).

(2011).

(2011).

(2010).

(2010).

(2010).

(2010).

Specialty Crops Faculty Position, (January 1, 2014 - December 31, 2015).

Speciality Crops Position, (January 2013 - December 2013).

(2012).

(2012).

AVRC Manager, (2003 - 2012).

(2011).

(2011).

(2010).

(2010).

(2010).

(2010).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Colorado Fruit and Vegetable Growers Association. (February 27, 2013 - Present).

Colorado Onion Association. (2000 - 2014).

American Society Horticultural Science. (1991 - 2014).

KUNC. (September 2014).

Center for Produce Safety, San Diego, CA. (2012 - Present).

CSU Speciality Crops Program. (2012 - Present).

National Allium Research Conference, Las Cruces, NM. (2012 - Present).

Agriculture, Ecosystems, and the Environment. (2011 - Present).

Colorado Onion Association, Eaton, CO. (2011 - Present).

CSU Extension. (2011 - Present).

Produce Marketing Association, Atlanta, GA. (2011 - Present).

Allium Researchers, Reno, NV. (2010 - Present).

Hort Science. (2010 - Present).

Pepper Researchers, Las Cruces, NM. (2010 - Present).

USDA Grants Program. (2010 - Present).

Reviewer, Journal Article, Hort Science. (2011 - 2014).

Colorado Department of Agriculture - Markets Division Advisory Board. (2010 - 2013).

Speciality Crops Program. (2010 - 2013).

Direct Grower Contacts. (2012).

News media outreach including newspaper, radio, and internet. (2012).

Member, Colorado Onion Association. (2005 - 2012).

AVRC Manager. (2003 - 2012).

Member, American Society Horticultural Science. (1991 - 2012).

Direct Grower Contacts. (2011).

News paper articles. (2011).

Member, AVRC Research Associate Search. (2010).

Direct Grower Contacts. (2010).

Newspaper Interviews and Articles. (2010).

Radio Interviews. (2010).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Board of Directors of a Company, CDA Specialty Crops Advisory Board. (2013).

Board Member, Palmer Land Trust, Colorado Springs, Colorado. (2013 - Present).

Rocky Ford Schools. (2010 - Present).

Board Member, Colorado Department of Agriculture - Markets Division Advisory Board, Lakewood, CO. (2008 - Present).

Member, Swink Schools College Interview Team. (2011 - 2014).

Board Member, Super Ditch, Rocky Ford, CO. (2008 - 2014).

Crop Show Superintendent and Judge, Arkansas Valley Fair, Rocky Ford, CO. (1992 - 2014).

Judge for Vegetable Crops Show, Colorado State Fair, Pueblo, CO. (1992 - 2014).
