

CURRICULUM VITAE

NAME Michael E. Bartolo
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EDUCATION

1990 Ph.D., Plant Physiology, University of Minnesota
1986 M.S., Horticulture, Colorado State University
1984 B.S., Bio-Agricultural Science, Colorado State University

ACADEMIC POSITIONS

2004–Current Research Scientist, Extension Vegetable Crops Specialist, Manager,
Arkansas Valley Research Center, Colorado State University
1991–2004 Research Scientist, Extension Vegetable Crops Specialist, Arkansas
Valley Research Center, Colorado State University

OTHER POSITIONS

1987-1990 Graduate Research Assistant, Department of Horticulture, University of Minnesota
1984-1986 Graduate Research Assistant, Department of Horticulture, Colorado State
University
1983-1984 Summer Intern, Barley Research and Development, Adolph Coors
Company

CURRENT JOB DESCRIPTION

My primary responsibilities are research and extension/outreach activities to support commercial vegetable crop production in the Arkansas Valley and other parts of the state. The major crops emphasized are onions, melons, and peppers. Projects have been centered on different aspects of crop production including plasticulture (drip irrigation and mulches), fertility and pest management. Additional responsibilities include the overall management of the Arkansas Valley Research Center located near Rocky Ford, Colorado.

PUBLISHED WORKS

Selected Refereed Journal Articles:

1. Halvorsen, A.D., F.C. Schweissing, M.E. Bartolo, and C.A. Reule. 2005. Corn Response to nitrogen fertilization in a soil with high residual nitrogen. *Agron. J.* 97:1222-1229.
2. Gent, D.H., J.M. Lang, M.E. Bartolo, and H.F. Schwartz. 2005. Innoculum sources and survival of *Xanthomonas axonopodis* pv. *allii* in Colorado. *Plant Dis.* 89:507-514.

3. Halvorsen, A.D., R.F. Follett, M.E. Bartolo and F.C. Schweissing. 2002. Nitrogen fertilizer use efficiency of furrow-irrigated onion and corn. *Agron. J.* 94:442-449.
4. Cranshaw, W., M.E. Bartolo and F. C. Schweissing. 2001. Control of squash bug injury: Manipulations at the base of pumpkin. *Southwest Entomol.* 26(2):147-150.
5. Bartolo, M.E. and F.C. Schweissing. 1998. Yield and quality response of muskmelon to simulated storm damage. *HortScience* 33:34-35.
6. Bartolo, M.E., H.F. Schwartz, and F.C. Schweissing. 1994 Yield and growth response of onion to simulated storm damage. *Hort Sci.* 29(12):1465-1467.
7. Ells, J.E., A.E. McSay, P.N. Soltanpour, F.C. Schweissing, M.E. Bartolo, and G.F. Kruse. 1993. Onion irrigation and nitrogen leaching in the Arkansas Valley of Colorado 1990-1991. *HortTech* 3:184-187.

Other Recent Publications

1. Bartolo, M.E. 2005. Subsurface drip irrigation in Colorado. Central Plains Irrigation Conference and Exposition Proceedings, Sterling, CO pp. 119-122.
2. Bartolo, M.E., O.C. Doss, J.G. Davis, and G.E. Cardon. 2003. Interactions between salinity and onion production practices. Pacific Northwest Vegetable Association Proceedings, Pasco, WA pp. 3-10.
3. Bartolo, M.E. and F.C. Schweissing. 2003. Plasticulture practices for early fresh market cantaloupe production. Pacific Northwest Vegetable Association Proceedings, Pasco, WA pp. 131-134.
4. Bartolo, M.E., Doss O.C., and J.G. Davis 2002. Drip irrigation studies for vegetable crops in the Arkansas Valley of Colorado. Central Plains Irrigation Conference and Exposition Proceedings, Lamar, CO pp. 152-156.
5. Doss, O.C., M.E. Bartolo, J.G. Davis, and G.E. Cardon. 2002. Interactions between salinity and onion production practices in the Arkansas Valley, Colorado. Proceedings of 2002 National Allium Research Conference, Pasco, WA. pp. 17-22
6. Bartolo, M.E., Schweissing, F.C., Halvorsen, A.D.,and R.F. Follett, R.F. 2001. Effects of irrigation and nitrogen fertilizers on soil salinity and onion growth and quality. Proceedings of Alliums 2000, The 3rd International Symposium on Edible Alliaceae, Athens, GA. 167-170.
7. Bartolo, M.E. and Schweissing, F.C. 2000. Effect of establishment method on the yield and quality of long green chile. Proceedings of the National Pepper Conference, Lafayette, LA. Pp. 12-13.
8. Bartolo, M.E., Schweissing, F.C., Halvorsen, A.D.,and R.F. Follett, R.F. 2000. Effects of irrigation and nitrogen fertilizers on soil salinity and onion growth and quality. Proceedings of Alliums 2000, The 3rd International Symposium on Edible Alliaceae, Athens, GA. In Press.
9. Bartolo, M.E. and Schweissing, F.C. 1999. Alternative onion transplant production in Colorado. Proceedings of the National Onion Research Conference, Sacramento, CA. December 10-12. pp 271-275.

PRODUCTIONS:

Variety Releases

“Mosco” chile (mira sol) type pepper. Released in 2005. This variety is currently being grown on over 50% of the acreage previously devoted to growing the historical landraces of the mira sol pepper.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Membership in Professional Societies

American Society of Horticultural Science

Membership in Industry Organizations

Colorado Onion Association

COMMITTEES

- Rocky Ford Ditch Legal and Technical Committee for AVRC
- Graduate Admissions Committee
- Search Committee for Dean/Vice Provost 2002
- Search Committee for Regional Irrigation Specialist 2002
- National Allium Research Conference Planning Committee 2004 (**Co-Chair**)
- Colorado Produce Convention and Trade Show Planning Committee (**Co-chair in 2000 and 2003**)
- Pueblo County Land Use Planning Committee 2001
- Committee for the Demilitarization of the Pueblo Army Depot - 1996

STUDENT ADVISING/GRADUATE SUPERVISION/TECHNICAL ACVISOR

GRADUATE STUDENTS:

6 – M.S. students and 5 – Ph.D. candidates

TECHNICAL ADVISOR – Speciality Crops Program: (Funded Project Only)

Organic Vine and Root Seed Production - Dan Hobbs of Gabacho Farm - 2005
Specialty Melon Production – Greg Smith Farm – 2005
Intensive Greenhouse Transplant Production – Giltner Greenhouses – 2005
Athena-Type Melon Production – Hirakata Farms - 2005
Small Fruit Production – Ryan Morris Country Roots Farm – 2004
Ornamental and Heirloom Pepper Production - Larson’s Garden – 2004
Early Melon Production with Row Covers - Hirakata Farms – 2004
Growing Seedless Watermelon in the Arkansas Valley - Hirakata Farms - 2003
Ornamental Pepper Production - Larson’s Garden - 2003
Bell and Jalapeno Pepper Production with Mulch and Drip Irrigation - Mameda Farms -2003
Organic Crop Cooperative – Tres Rios Cooperative- 2003

OTHER ACTIVITIES/ACCOMPLISHMENTS

Administration

All managerial responsibilities for the Arkansas Valley Research Center since 2004 including:

1. Overseeing and evaluating work of two Research Associates and 5 hourly employees.
2. Acquiring and overseeing contracts labor
3. Overseeing maintenance and repair of all facilities and equipment
4. Coordinating and planning all general field work and research

4. Coordinating work of station and campus-based researchers
5. Overseeing station income and budgets
6. Directing site location of weighing lysimeter
7. Organizing Arkansas Valley Research Center Biennial Field Day
8. Organizing and conducting field tours.

Extension and Outreach

- > 2000 personal contacts with growers via phone, office visits, and field visits.
- > 100 media articles/interviews (CBS/ Channel 11, Denver Post, *Rocky Mountain News*, *Pueblo Chieftain*, *Colorado Springs Gazette*, *Rocky Ford Daily Gazette*, et al.)

Service to the state and community related to professional expertise

1. Rocky Ford Ditch Annual Meeting Board Member
2. Rocky Ford Ditch Board of Directors (Vice-President)
3. Vegetable Crops Judge at Arkansas Valley Fair
4. Vegetable Crops Judge at Colorado State Fair
5. Vegetable Crops Judge at Prowers County Fair
6. Crops Superintendent at Arkansas Valley Fair
7. Pueblo Chile Promotion at the Colorado State Fair
8. Science Fair Judge – Rocky Ford School District
9. Science Fair Judge – Swink School District
10. Lamar Community College - Ag Career Day

Other

1. National Weather Service Daily Recorder and Weather Spotter
2. COAGMET Weather Station Network for the Arkansas Valley
3. Soybean Rust Observation Site in Colorado
4. Colorado Watermelon Seed Certification Program – Field Inspector
5. Maintaining and increasing seed stock for CSU pepper seed releases.