

CURRICULUM VITAE

NAME

Holtzer, Thomas O

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Shepardson
121 Shepardson

PHONE

(970) 491-6274

EDUCATION

1975 Ph D, N CAROLINA S U

1971 MS, N CAROLINA S U

1969 BA, THIEL COLLEGE

ACADEMIC POSITIONS

1996 - Present Professor and Head, Department of Bioagricultural Sciences and Pest Management.

2006 - 2010 Director, Center for Bioinformatics.

2001 - 2006 Associate Dean for Research, College of Agricultural Sciences.

1988 - 1996 Professor and Head, Department of Entomology, Colorado State University.

OTHER POSITIONS

2003 - 2012 Co-Director, Western Integrated Pest Management Center.

Director

(August 18, 1988 - Present) Department Chairperson, Department

(January 1, 2006 - January 1, 2010) Director

PUBLISHED WORKS

Refereed Journal Articles

Combined Influence of Temperature and Moisture on Red Flour Beetle (Coleoptera, Tenebrionidae) Reproduction on Whole Grain Wheat. *J Econ Entomol*, 81, 488-489.

Competitive Parasitism of Housefly Pupae (Diptera, Muscidae) by Muscidifurax-Zaraptor and Urolepis-Rufipes (Hymenoptera, Pteromalidae). *J Med Entomol*, 24, 66-70.

- Diuraphis noxia Reproduction and Development With a Comparison of Intrinsic Rates of Increase to Other Important Small Grain Aphids. *Environ Entomol*, 38, 1061-1068.
- Effects of European Corn-Borer (Lepidoptera, Pyralidae) Tunneling and Drought Stress on Field Corn Gas-Exchange Parameters. *J Econ Entomol*, 84, 1370-1380.
- Effects of Microenvironment on the Dynamics of Spider-Mite Populations. *Exp Appl Acarol*, 4, 247-264.
- Effects of Soil-Incorporated Insecticides and Foliar-Applied Chemicals on Corn Gas-Exchange Parameters. *Crop Prot*, 11, 427-432.
- Energy Budget for the Banks Grass Mite (Acari, Tetranychidae) and Its Use in Deriving Mite Body Temperatures. *Environ Entomol*, 13, 344-347.
- European Corn-Borer (Lepidoptera, Pyralidae) Tunneling and Drought Stress - Effects on Corn Yield. *J Econ Entomol*, 84, 1850-1860.
- Experiments Using a Simulation-Model of the Banks Grass Mite (Acari, Tetranychidae) and the Predatory Mite Neoseiulus-Fallacis (Acari, Phytoseiidae) in a Corn Microenvironment. *Environ Entomol*, 20, 1074-1078.
- Habitat and season in structuring ground-dwelling spider (Araneae) communities in a shortgrass steppe ecosystem. *Environ Entomol*, 29, 1164-1172.
- Influence of Temperature and Humidity on European Corn-Borer (Lepidoptera, Pyralidae) Egg Hatchability. *Environ Entomol*, 20, 14-Aug.
- Influences of Temperature and Humidity on Pre-Adult Development of the Banks Grass Mite (Acari, Tetranychidae). *Environ Entomol*, 13, 338-343.
- Integrated Pest Management of insects, plant pathogens, and weeds in dryland cropping systems of the great plains. *J Prod Agric*, 9, 200-208.
- Interactive Effects of European Corn-Borer (Lepidoptera, Pyralidae) Tunneling and Drought Stress on Field Corn Water Relations. *Environ Entomol*, 21, 1060-1071.
- Mitesim - a Simulation-Model of the Banks Grass Mite (Acari, Tetranychidae) and the Predatory Mite, Neoseiulus-Fallacis (Acari, Phytoseiidae) on Maize - Model Development and Validation. *Ecol Model*, 53, 291-317.
- Patch and prey utilization behaviors by Aphelinus albipodus and Diaeretiella rapae (Hymenoptera). *Biol Control*, 24, 183-191.
- Population model for Melanoplus sanguinipes (Orthoptera). *Environ Entomol*, 27, 892-901.
- Relationships between Corn-Canopy Microenvironments and Banks Grass Mite (Acari - Tetranychidae) Abundance. *Environ Entomol*, 15, 79-83.
- Simple Order of Prey Preference Technique for Modeling the Predator Functional-Response. *Exp Appl Acarol*, 5, 207-224.
- Simulating Banks Grass Mite (Acari, Tetranychidae) Population-Dynamics as a Subsystem of a Crop Canopy-Microenvironment Model. *Environ Entomol*, 13, 329-337.

Temperature and Humidity Effects on Ovipositional Rates, Fecundity, and Longevity of Adult Female Banks Grass Mites (Acari, Tetranychidae). *Ann Entomol Soc Am*, 77, 581-586.

Variations in Resistance of Tetranychid Mites of Corn in the High-Plains. *Abstr Pap Am Chem S*, 194, 6-Agro.

Merrill, S. C., Holtzer, T. O., Peairs, F. B., Lester, P. J. (2014). Validating spatiotemporal predictions of a important pest of small-grains. *Pest Management Science*.

Holtzer, T. O. (2009). Modeling Spatial Variation of Russian Wheat Aphid Overwintering Population Densities in Colorado Winter Wheat. *J Econ Entomol*, 102, 533-541.

Merrill, S. C., Holtzer, T. O., Peairs, F. B. (2009). Russian wheat aphid, *Diuraphis noxia* (Kurdjumov), reproduction and development with a comparison of intrinsic rates of increase to other important small grain aphids: a meta-analysis. *Environ. Entomol.*, 38(4), 1061-1068.

Holtzer, T. O. (2000). Abundance and effects of predators and parasitoids on the Russian wheat aphid (Homoptera). *Environ Entomol*, 29, 360-368.

Berry, J. S., Holtzer, T. O., H. J. (1990). Ambulatory Dispersal of Spider Mites (Acari, Tetranychidae) on Whole, Untreated Maize Plants after Exposure to Fenvalerate and Permethrin. *J Econ Entomol*, 83, 217-220.

Holtzer, T. O. (1984). Winter and Spring Distribution and Density of Banks Grass Mite (Acari, Tetranychidae) in Adjacent Wheat and Corn. *J Kansas Entomol Soc*, 57, 333-335.

Non-Refereed Journal Articles

Zimdahl, R. L., Holtzer, T. O. Ethical Values in the U.S. Agriculture and Food System. *Journal of Agricultural and Environmental Ethics*.

Water-conserving cropping systems: lower South Platte irrigation research and demonstration project (4th ed., vol. 27, pp. 10-Jul). Colorado Water -- Newsletter of the Water Center of Colorado State University.

AES Report/Bulletin

Holtzer, T. O. (2010). *Examining spatial correlation between fall and spring population densities of the Russian wheat aphid (Hemiptera: Aphididae)*. Colorado State Univ Agric Exp Sta Tech Rep TR10-15.

Holtzer, T. O. (2010). *Estimating Russian wheat aphid (Homoptera: Aphididae) overwintering success using weather data*. Colorado State Univ Agric Exp Sta Tech Rep TR10-14.

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

2012, "The future of IPM Funding – IPM Centers and other non-AFRI NIFA programs. Section Networking Symposium. Entomological Society of America Annual Meeting, Knoxville, TN, 12 Nov 2012."

COLLABORATIVE & INTEGRATIVE INTERDISCIPLINARY SCHOLARSHIP

2013-2014

TEST - Tenure and Promotion Collaborative & Integrative Interdisciplinary Scholarship. This is a test and the text will be deleted as soon as the report is finalized.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2015	Spring	AGRI330 - Agricultural and Food System Ethics	3	7
2015	Spring	PHIL330 - Agricultural and Food System Ethics	3	14
2014	Spring	AGRI330 - Agricultural and Food System Ethics	3	5
2014	Spring	PHIL330 - Agricultural and Food System Ethics	3	7
2013	Spring	AGRI330 - Agricultural Ethics	3	13
2013	Spring	PHIL330 - Agricultural Ethics	3	15
2012	Fall	BSPM587 - Internship	18	1
2012	Spring	AGRI330 - Agricultural Ethics	3	15
2012	Spring	PHIL330 - Agricultural Ethics	3	15
2012	Spring	BSPM792 - Seminar	2	8
2011	Fall	BSPM792 - Seminar	2	10
2010	Spring	AGRI330 - Agricultural Ethics	3	9
2010	Spring	PHIL330 - Agricultural Ethics	3	14
2009	Spring	AGRI330 - Agricultural Ethics	3	8
2009	Spring	PHIL330 - Agricultural Ethics	3	15
2008	Spring	AGRI330 - Agricultural Ethics	3	14
2008	Spring	PHIL330 - Agricultural Ethics	3	13

Evidence of Teaching Effectiveness (Annual Input)

Examples of Course Improvements

Spring 2014, AGRI 330–Agricultural and Food System Ethics
TEST Entry

Other Evidence

Spring 2015, AGRI 330–Agricultural and Food System Ethics
Students provided good informal feedback.

Tenure and Promotion Evidence of Teaching Effectiveness (Tenure and Promotion Input)

Development of New Courses

TEST - Development of New Courses

Development of New Teaching Techniques

TEST - Development New Teaching Techniques

Integration of Service Learning

Test -- Integration....

Conference/Workshop Assessments

TEST - Conference/Workshop Assessments

Participation in Professional Development Activities Related to Teaching

TEST - Participation in Professional Development Activities Related to Teaching

Professional Consultation Related to Teaching

TEST - Professional Consultation Related to Teaching

Other Evidence

TEST - Other Evidence - Teaching

COMMITTEES

Director and Chair of Executive Committee, Center for Bioinformatics.

Noxious Weed Coordinator for Colorado State University.

Chair, Search Committee, Head, Dept Soil and Crop Sciences, (2010 - 2011).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Sigma Xi.

ESCOPE-ECOP APLU Pest Management Strategies Subcommittee. (January 1, 2002 - Present).

American Phytopathological Society. (January 1, 1996 - Present).

Weed Science Society of America. (January 1, 1996 - Present).

WERA-066, Western Regional Coordinating Committee, Integrated Pest Management of Russian Wheat Aphid and Other Cereal Aphids. (January 1, 1989 - Present).

WERA-1017 (WERA-069), Western Regional Coordinating Committee, Coordination of Integrated Pest Management Research and Extension/Educational Programs for the Western States & Pacific Basin Territories. (January 1, 1989 - Present).

NCAC-15 North Central Regional Administrative Committee, Department Heads of Entomology. (January 1, 1988 - Present).

WERA-060, Science and Management of Pesticide Resistance. (January 1, 1980 - Present).

American Association for the Advancement of Science. (January 1, 1969 - Present).

Entomological Society of America. (January 1, 1969 - Present).

Council for Agricultural Science and Technology. (January 1, 2002 - December 31, 2004).

Entomological Society of America. (January 1, 1995 - December 31, 2000).

Member, American Association for the Advancement of Science.

Member, American Phytopathological Society.

Member, CAST.

Member, Entomological Society of America.

Member, ESCOP-ECOP APLU Pest Management Strategies Subcommittee.

Member, NCAC-15 North Central Regional Administrative Committee, Department Heads of Entomology.

Noxious Weed Coordinator for Colorado State University.

Member, Sigma Xi.

Committee Chair, Thornton-Massa Distinguished Lecture Series, Planning Committee.

Committee Chair, Thornton-Massa Distinguished Lecture Series, Planning Committee.

Member, Thornton-Massa Distinguished Lecture Series, Planning Committee.

Member, Weed Science Society of America.

WERA-060, Science and Management of Pesticide Resistance.

WERA-066, Western Regional Coordinating Committee, Integrated Pest Management of Russian Wheat Aphid and Other Cereal Aphids.

WERA-1017 (WERA-069), Western Regional Coordinating Committee, Coordination of Integrated Pest Management Research and Extension/Educational Programs for the Western States & Pacific Basin Territories.

Wheat Research, Extension, and Education. Program for Research and Scholarly Excellence.

Board of Gov, CAST. (January 1, 2000 - December 31, 2005).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Board of Directors of a Company, Entomological Society of America.
