

**Mark J. VanGessel**

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**I. BACKGROUND**

Current Rank: Professor and Extension Specialist for Weed/Crop Management

Appointment to Current Rank: 2005

**A. Education**

Ph.D., Weed Science, Crop Science Department, North Carolina State University. 1992.  
M.Sc., Weed Science, Crop and Soil Sciences Department, Michigan State University. 1989.  
Biology, Grand Valley State College, Allendale, MI. September 1985 to May 1986.  
B.A., Political Science, Hope College, Holland, MI. September 1978 to May 1982.

**B. Professional Experience**

May 2005 to present. **Professor/Extension Specialist.** Department of Plant and Soil Science, University of Delaware.

September 1999 to Spring 2005. **Associate Professor/Extension Specialist.** Department of Plant and Soil Science, University of Delaware.

September 1995 to September 1999. **Assistant Professor/Extension Specialist.** Department of Plant and Soil Science, University of Delaware.

January 1992 to September 1995. **Research Post-Doctoral Associate,** Plant Pathology and Weed Science Department, Colorado State University.

January 1989 to December 1991. **Graduate Research Assistant,** Weed Science, Department of Crop Science, North Carolina State University.

September 1986 to January 1988. **Graduate Research Assistant,** Weed Science, Department of Crops and Soil Sciences, Michigan State University.

April 1983 to August 1985. **U.S. Peace Corps Volunteer,** Lesotho, southern Africa.

### C. Awards and Honors

Fellow of the Northeast Weed Science Society. 2018  
 Extension Award. Weed Science Society of America. 2017.  
 Outstanding Educator Award. Northeastern Weed Science Society. 2015.  
 Outstanding Researcher Award. Northeastern Weed Science Society. 2004.

## II. EXTENSION ACTIVITIES

*Cooperative Extension is extending research-based information to farmers and the agricultural industry. It relies upon local, applied-research to address specific needs for Delaware farmers. By educating farmers on best-management practices and on modern agricultural science and technologies, extension contributes to the success of countless farms and rural business.*

### A. Extension Publications (See <http://extension.udel.edu/ag/weed-science/>)

1. Reviewed Regional Extension Publications: **10**
2. Reviewed State Extension Publications: **9**
3. Non-reviewed Extension Publications: **19**
4. University of Delaware, Cooperative Bulletin, includes *results from herbicide efficacy demonstrations*. (available at: <http://extension.udel.edu/ag/weed-science/weed-control-results/>)

### B. Types of Extension Education

1. Professional Technical Training Sessions  
*These programs often allowed for in-depth presentations (1 to 2 hrs) on a specific subject to an audience familiar with the topic area*
2. Extension Workshops (Presenter)  
*Workshops are in-depth trainings (often with “hands-on trainings”) that range in length from 45 minutes to half-day, or longer. Workshops require considerable preparation in order to ensure plants or scenarios to focus the learning. Presentations are more specialized and targeted audiences have considerable agricultural experience.*
3. Farmer/Grower/Manager Educational Programs  
*These presentations range from 15 to 45 minutes to a range of audiences (from growers and crop consultants to high school FFA groups). The information presented often relies on research from my program.*
4. Field Day Presentations  
*Field day presentations range from the Annual Weed Science Field Day (a half-day guided tour of the weed research plots at the University of Delaware’s Research and Education Center) to 15-minute demonstration of field research plots conducted at various county sites. Almost all sites/presentations involve plots or demonstrations that were part of research/extension field trials.*

### III. RESEARCH AND SCHOLARLY ACTIVITIES

#### A. Publications

1. Refereed Journals: **58**
2. Book Chapters: 1

#### B. Research Reports: **21**

#### C. Invited Speaker at Professional Conferences or Forums: **34**

#### D. Conference abstracts: **209**

#### E. Selected Funded Research and Extension Proposals

Developing economic and ecological sustainable pest management practices for growers of leguminous and solanaceous crops, USDA NIFA, Crop Protection and Pest Management Program, with University of Maryland

Integrating Cover Crops to Diversify Herbicide Resistant Weed Management in No-till Crop Production, USDA NIFA, Crop Protection and Pest Management Program, with Penn State Delaware EIP Extension Implementation Project: 2017-2020, Northeastern Integrated Pest Management Center

New Herbicide Options for Weed Control in Sweet Corn – Year II, Pennsylvania Vegetable Marketing and Research Program, with Penn State

Authority MTZ: the fit for processing tomatoes, Pennsylvania Vegetable Marketing and Research Program, with Penn State

Integrating Cover Crops for Weed Management in Plasticulture Systems, Northeastern IPM Center – IPM Partnership Grants

Utilizing Cover Crops for Additional Benefits in Delaware, Northeast Sustainable Agriculture Research and Education

Integrated Weed Management to Tackle Herbicide Resistant Weeds, NE- Regional Integrated Pest Management Competitive Grants

Overlapping Residual Herbicides for Weed Control in Lima Bean and Pumpkins, Delaware Department of Agriculture Specialty Crops Research

Weed Management for No-Till and Double-Cropped Soybeans for Problem Species and Herbicide-Resistant Biotypes, Delaware Soybean Board