

A. Douglas Worsham Weed Science Lecture Series

New Forms of Non-Chemical Weed Control

Dr. Frank Forcella

Research Agronomist - ARS-USDA
North Central Conservation Research Laboratory

February 6, 2018

2405 Williams Hall
North Carolina State University, Raleigh

Refreshments at 2:45 pm
Seminar at 3:00 pm

Frank Forcella has been a Research Agronomist for the USDA-ARS Soils Lab in Morris, MN, for 33 years. He also is an Adjunct Professor in the Department of Agronomy and Plant Genetics at the University of Minnesota (St Paul, MN). His research specialties include weed science and, more recently, new oilseed crops and their associated pollinators. Although most of his career has been spent in the Upper Midwest, he also has had international teaching and research experiences in the Middle East, Australia, New Zealand, and Spain. He relishes international exchanges and has hosted 18 long-term international visitors at his isolated lab in Minnesota, including two Fulbright Fellows and one Foreign Agricultural Service Fellow. Ten years ago, he and now-retired colleague, Dean Peterson, were joking about how to add value to various agricultural residues. The idea of pelletized grit, sand-blasting, and selective weed control arose from that light-hearted discussion. Today, he will describe the evolution of that idea.

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The A. Douglas Worsham Weed Science Lecture Series

The *Weed Science Program in Plant, Insect, Microbe and Soil Systems* of the College of Agriculture and Life Sciences announces the implementation of a lecture series designed to enhance collaboration among weed scientists at North Carolina State University and others involved in the understanding and management of weeds. The lecture series is named in honor of Dr. Arch Douglas Worsham who had a distinguished career as a weed scientist at North Carolina State University for many years. Dr. Worsham impacted many students at both undergraduate and graduate levels and served many others during his career. Dr. Worsham has long been considered a unifying figure among weed scientists at North Carolina State University. Dr. Worsham began his career at North Carolina State University in 1960 after receiving BS and MS degrees in Agronomy from the University of Georgia and his PhD in Crop Science from North Carolina State University. His research focused on witchweed (*Striga asiatica*) management, no-tillage systems, and many other important aspects of sustainable weed management. Dr. Worsham made significant contributions to the North Carolina Agricultural Extension Service (now the Cooperative Extension Service) and was the instructor of the undergraduate weed science course at North Carolina State University. The series will include 3 to 5 lectures each year from a broad spectrum of weed scientists.

