



The 63rd Annual **CROP PROTECTION SCHOOL**

and Annual Meeting of the **CROP PROTECTION ASSOCIATION OF NORTH CAROLINA, INC.**

DECEMBER 6, 2011

McKimmon Conference and Training Center
North Carolina State University, Raleigh, NC

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Attend This Important School and You Will

- Get a close look at research data, recommendations, and problems in the areas of pest management, pesticides, fumigants, and seed treatment options.
- Learn from and interact with manufacturers, formulators, dealers, sales people, professional agricultural workers, and farm managers.
- Have the opportunity to earn Pesticide Applicator and Certified Crop Advisor credits.

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Tuesday, December 6, 2011

7:45 a.m.	Check-in Begins	
8:30 a.m.- 4:30 p.m.	Viewing in Break Room – Moderator: Chad Shivar, President, CPANC	
8:45 a.m.	Welcome and Introductions – Dr. Thomas A. Melton, NC State University Meeting Logistics and Credits – Dr. Wayne Buhler, NC State University	
9:00- 9:30 a.m.	Impact of Nanotechnology on Pesticide Technology and Beyond – Dr. Jeff Fowler, Syngenta	
9:30-9:45 a.m.	State Legislative Pesticide Update – Glenn Jernigan	
10:00-10:15 a.m.	Federal Legislative Update on Pesticides – Dr. Harold Coble, U.S. Department of Agriculture’s Office of Pest Management Policy	
10:15-10:30 a.m.	Break	
10:30-10:55 a.m.	Pesticide Use on a Combined Organic and Conventional Farm in NC – Speaker TBD	
10:55 a.m.-11:25 a.m.	Global Climate Change and the Implications for Pesticide Use – Mark Brooks, NC State Climatologist	
11:25 a.m.-11:50 a.m.	CPANC President’s Report and Business Meeting	
11:50 a.m.-12:50 p.m.	CPANC Awards Luncheon and Legislative Remarks – State Senator Brent Jackson, R-Sampson	
1:00 - 2:30 p.m.	<p>Fumigants – Organizer/Moderator: Steve Koenning</p> <p>Fumigants Past, Present, Future Steve Koenning, Associate Professor, Department of Plant Pathology, NC State University</p> <p>Updates on Medical Clearance and Respiratory Protection Requirements Robin Tutor, NC Agromedicine Institute, East Carolina University</p> <p>Vapam and Kapam Fumigants Update and Application John Harper and Fannie Smith, AMVAC</p>	<p>Seed Treatment Options – Organizer/Moderator: Dominic Reisig</p> <p>Corn and Soybean Insecticidal Seed Treatments Dominic Reisig, Department of Entomology, NC State University</p> <p>Benefits and Drawbacks of Thrips Control Options on Cotton without Temik Jack Bachelier, Department of Entomology, NC State University</p> <p>Recommendations for Using Fungicidal and Insecticidal Seed Treatments in Wheat Randy Weisz, Department of Crop Science, NC State University</p> <p>Fungicidal and Nematicidal Seed Treatments Barbara Shew, Department of Plant Pathology, NC State University</p>
2:30–3:00 p.m.	Break	
3:00-4:30 p.m.	<p>Aliens in Your Fields Evolving Pest Problems and Management in NC – Organizer/Moderator: Mark Abney</p> <p>Kudzu Bugs: No Laughing Matter Dominic Reisig and Jack Bachelier, Department of Entomology, NC State University</p> <p>Spotted Wing Drosophila Status in North Carolina: Managing a New Small Fruit Pest Hannah J. Burrack, Department of Entomology, NC State University</p> <p>Current Status and Future Pest Potential of Brown Marmorated Stinkbug in North Carolina Mark R. Abney, Department of Entomology, NC State University</p> <p>Herbicide Resistant Weeds: Where Are We Heading? Wesley Everman, Department of Crop Science, NC State University</p> <p>Thousand Cankers Disease Moves East Mike Benson, Department of Plant Pathology, NC State University</p>	<p>Novel Pesticide Application Technology – Organizer/Moderator: Jim Walgenbach</p> <p>Drip Irrigation Delivery of Insecticides–What are the Options? Jim Walgenbach, Department of Entomology, NC State University</p> <p>Herbicide Application via Drip Irrigation Katie Jennings and David Monks, Department of Horticultural Science, NC State University</p> <p>Fumigation Options on Vegetables Frank Louws and Jim Driver, Department of Plant Pathology, NC State University</p>

(CCA and Pesticide Credits: TBD)

Respirators at the Crop Protection School

Among the noteworthy changes mandated by EPA are requirements for medical clearance of workers (evaluating ability to safely wear a respirator, based on health issues such as asthma or other respiratory problems), safety training and fit testing (to make sure the respirator fits well) to satisfy EPA respirator requirements when and if needed in the field. Depending on the fumigants used, up to two full-face respirators and two trained, certified people will be required at any fumigation. Growers who completed medical clearance and respirator fit testing at the 2010 Crop Protection School or at other respirator events in late 2010/early 2011 are due for their annual re-check. Individuals who use fumigants and have not completed medical clearance and fit testing are encouraged to do so. If you are interested in receiving these services at Crop Protection School, please RSVP by no later than November 1st to Robin Tutor, Interim Director, NC Agromedicine Institute at **919.880.4225** or **tutorr@ecu.edu**. Cost share funds to assist with medical clearance, fit testing, and respirators will be made available until funds are exhausted, thanks to support from the NC Tobacco Trust Fund Commission and NC Pesticide Environmental Trust Fund.

Registration and Fees

Check-in will be held in the lobby of the McKimmon Conference and Training Center on the NC State University campus on Tuesday, December 6, 2011 from 7:45-11:00 a.m. Advance registration is requested to assist us in making plans to accommodate you. The registration fee is \$109 if paid by November 23, 2011 and \$129 if paid after November 23, 2011. Payment must be attached to the registration form. The registration fee includes a copy of the *2012 North Carolina Agricultural Chemicals Manual*. All participants must pay the standard registration fee (either the advance rate or the walk-in rate). Only paid participants will receive Pesticide Applicator and Certified Crop Advisor credits and a copy of the *2012 North Carolina Agricultural Chemicals Manual*. You will receive a map, cancellation policy, and hotel information with your confirmation via email. Depending on your Internet service provider and/or your personal email settings, emails from NC State University in regard to this registration process may be considered unsolicited and not be delivered to your in-box. If you do not receive an email confirmation from NC State University, please

check your spam file if you have one, or you may contact us at **919.515.2261** with any questions about your registration status.

Where to Stay

Accommodations are available at several hotels convenient to the McKimmon Conference and Training Center, but please note that these hotels are not within walking distance. For lodging information and a list of local hotels, please see our website at **ContinuingEducation.ncsu.edu** or call **919.515.2261**.

Your Guarantee of Satisfaction

We realize how valuable your time and money are and that you and your organization expect to get a return on your investment. We promise that you will be completely satisfied with your learning experience with us or we will make it right — guaranteed! If you are a person with a disability and desire any assistive devices, services or other accommodations to participate in this course, please contact us during business hours (8 a.m. to 5 p.m. Eastern) to discuss accommodations at least 2 weeks in advance. Please call **919.515.2261** or email **ContinuingEducation@ncsu.edu**.

Attend and You Will Receive

- Valuable program and reference materials, including the *2012 North Carolina Agricultural Chemicals Manual*, a \$24 value
- Pesticide Applicator and Certified Crop Advisor credits
- A networking luncheon and refreshments

Cancellation Policy

If this program cancels, full reimbursement of paid registration fees will be made. In the event the participant needs to cancel, a written notice (fax acceptable) is required. A \$25 fee will be charged for cancellation 5 or more business days from the start date of the program. No reimbursement will be made if cancellation occurs within 4 business days of the program or if the participant fails to attend. Substitutions will be accepted in most cases.

Get the 2012 North Carolina Agricultural Chemicals Manual

A copy of the *2012 North Carolina Agricultural Chemicals Manual* is printed in connection with the School and furnished to each registrant. This manual includes recommendations on the control of insects, weeds, plant diseases, rodents, and sections on safety, application, equipment, and fertilizer use.

1. One *2012 North Carolina Agricultural Chemicals Manual* is included in your Crop Protection School registration fee.
2. Additional copies may be purchased at the School. Do not order or pay in advance.
3. If you are NOT attending the Crop Protection School, but would like a *2012 North Carolina Agricultural Chemicals Manual*, complete and return the Mail Order Form with payment to the address noted on the form.

Mail order books will be shipped immediately following the Crop Protection School. Check payable (U.S. banks only) to NC State University must accompany order.

Prices:
1 – 4 copies \$24 each
5 – 19 copies \$21 each
20 or more copies \$20 each

Mail Order Form to:
Communication Services
NC State University, Box 7603
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2012 North Carolina Agricultural Chemicals Manual (Mail Order Form)

Please use this form only if you cannot attend the Crop Protection School.

Name	_____		
Firm	_____		
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Sign Up for the 63rd Annual Crop Protection School - Dec. 6, 2011 (Registration Form)

Payment must accompany registration and be received by the day of the program.

Your Priority Code: **F1119WB**

\$109 per person if paid by November 23, 2011 – \$129 per person if paid after November 23, 2011

Help us serve you, please enter the code from your mailing label. Enter this code even if label is addressed to someone else.

Name	_____		
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Title/Occupation	_____		
Date of Birth* (mm/dd)	Badge Name		
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*In lieu of SSN, your date of birth is required as a personal identifier for internal record keeping by this university.

METHOD OF PAYMENT:

The easiest way to pay is by credit card.

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Please write the name(s) of the
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