



# *Lake Erie Regional Grape Program* **ELECTRONIC CROP UPDATE for April 5, 2012**

April 5, 2012

Dear Member,

For the past several Crop Updates we have been telling you how we are updating our email LIST-SERVES and how important it is that you enroll or re-enroll for 2012.

This might be the **LAST Crop Update** you receive if you haven't taken care of enrolling in LERGP! Please take a minute and think about what is happening in your vineyards now. LERGP has sent out timely information and more in the past few weeks – consider NOT getting these articles / notices? This could be the year you need this information more than ever!



Only members can receive the Crop Update so if you have not enrolled or re-enrolled, unfortunately your name will be dropped from the list-serve. Please consider enrolling now so that we can keep this important and informative publication coming to your email box!

If you are **unsure** of your membership status please give Kate Robinson a call or email to confirm your membership ([kjr45@cornell.edu](mailto:kjr45@cornell.edu) or 716.792.2800 ext 201). This includes all NY and PA members!

- ❖ **Chautauqua County 2012 LERGP Enrollment Form:** [http://lergp.cce.cornell.edu/2012\\_Chautauqua%20County%20Enrollment%20Form.pdf](http://lergp.cce.cornell.edu/2012_Chautauqua%20County%20Enrollment%20Form.pdf)
- ❖ **Out of County 2012 LERGP Enrollment Form:** [http://lergp.cce.cornell.edu/2012\\_FullEnrollment.pdf](http://lergp.cce.cornell.edu/2012_FullEnrollment.pdf)
- ❖ **Niagara County, NY Enrollment Form:** [http://lergp.cce.cornell.edu/2012\\_EnrollmentForm\\_NiagaraCounty.pdf](http://lergp.cce.cornell.edu/2012_EnrollmentForm_NiagaraCounty.pdf)

Thank you very much for your continued interest and support!

Sincerely,  
Edith Byrne

---

Go to <http://lergp.cce.cornell.edu/EventsCalendar.htm> for a detailed calendar of events including maps via Google calendar! Scroll to the bottom of the page for Google calendar and click on the event. Please remember to RSVP for those events that require one! UPCOMING EVENTS are also listed toward the bottom of this Electronic Update.

Please remember to let us know if you have changed or are in the process of changing your email address so we can keep the Electronic Crop Update coming to your inbox!

[Please email Edith at: emb35@cornell.edu.](mailto:emb35@cornell.edu)

### ***Wanna Host a Coffee Pot Meeting?***

The Lake Erie Regional Grape Program Extension team is getting geared up for the upcoming Coffee Pot meeting season and are looking for locations in Chautauqua and Cattaraugus Counties in New York and Erie County, Pennsylvania (all the dates in Niagara County have been filled!) The team will bring the coffee and doughnuts, all that is required from the 'host' is a place that will allow participants to get out of the elements in case of inclement weather. Past hosts have commented that the best thing about hosting a Coffee Pot meeting is it gives them the push they needed to get the shop cleaned up. If you are interested please give Kate a call at [\(716\) 792-2800 x201](tel:7167922800x201) or send her an email at [kjr45@cornell.edu](mailto:kjr45@cornell.edu).

WEATHER FACTS: Edith Byrne

## ***Weather Facts***

DATE / YEAR	HIGH	LOW	DAILY PRECIPITATION	GDDS ACCUMULATED	TOTAL ACCUMULATED JANUARY GDDS FOR THE DATE 4/4
<i>April 4, 2012</i>	<i>50</i>	<i>37</i>	<i>0.00</i>	<i>0</i>	<i>130.5</i>
April 4, 2011	66	40	0.68	3	11.5
April 4, 2010	84	42	0.00	13	73.5
April 4, 2009	45	35	0.56	0	26.5
April 4, 2008	46	40	0.56	0	24
April 4, 2007	74	35	0.33	4.5	62.5
April 4, 2006	48	33	0.06	0	30.5
April 4, 2005	43	32	1.48	0	25.5
April 4, 1998	45	36	0.00	0	101.5
April 4, 1991	65	50	0.00	7.5	36.5

FROM NORTH EAST, PA: Bryan Hed

From  
North  
East  
PA

### ***HERE IS A BRIEF UPDATE FROM NORTH EAST PA.***

**Weather:** More frost events since bud swell/burst have occurred, and some Erie County vineyards have now been damaged. On the morning of April 1, we recorded a low of 31F here by the lake with no apparent damage, but other vineyards weren't so fortunate. Although temperatures were not as cold as those we experienced on March 27<sup>th</sup>, relative humidity was much higher, at 100% throughout that period, making buds more susceptible to damage from below freezing temperatures. The short term Skybit forecast calls for a low of 32F for Friday and Saturday (April 6,7). The long term Accuweather forecast is not much better, with low temperatures dipping into the low 30s on Tuesday, Wednesday, and Thursday of next week.

**Phenology:** Here at the North East lab we are approaching 50 % budburst, but cold temperatures over the next 3 days will keep buds from opening much further, and there are no growing degree days in the extended forecast for at least the next week.

GRAPE INTEGRATED PEST MANAGEMENT: Tim Weigle

Grape  
IPM

### ***A LOT ON BUD DAMAGE, A LITTLE ON PESTS***

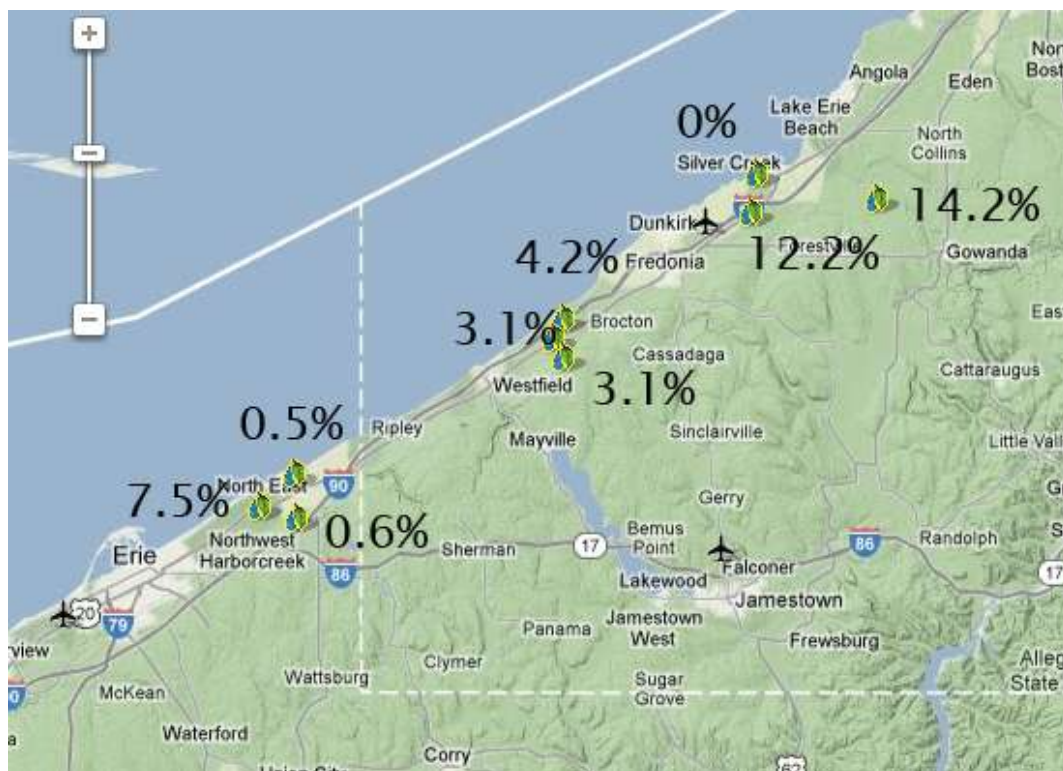
#### **IPM To Do List**

- Rate bud damage
- Rate overwintering disease inoculum on a block-by-block basis
- Scout for flea beetle and climbing cutworm feeding
- Sprayer Calibration – herbicide and vineyard sprayers
- Check out the NEWA website

We recently have been afield to look at rating the damage from last week's freeze event. The results presented below represent the bud damage from that event only and do not reflect any damage that will be seen from the freeze event that occurred this past Tuesday morning, April 3. We will be going out into the vineyards next week to see if we got any additional damage.

Below is a graphical representation of average bud damage found in Concord vineyards being used for the 9 site study being conducted by Terry Bates and the crew at CLEREL, with an assist from Tim Weigle and the Network of Environmental and Weather Applications (NEWA). Each of the sites shown below and listed in the following table are correlated with a NEWA weather instrument. Hourly weather data and much, much more can be found through the NEWA home page at <http://newa.cornell.edu/>

April 4, 2012. Average Bud Damage in 90 node vines treatments of 9 site Concord study.  
Thanks to Kate Robinson, Rhiann Jakubowski and Kim Conti, LERGP at CLEREL staff.



Results of April 4, 2012 assessments of bud damage in 9 site study vineyards resulting from low temperatures on March 27, 2012

	<b>Escarpment Vineyards</b>	<b>Route 20 Vineyards</b>	<b>Route 5 Vineyards</b>
	NE Escarpment	Harborcreek	NE Lab
Range of % Damage	0 – 1.6	3.0 – 13.3	0 – 1.9
Average % Damage	0.6	7.5	0.5
Low on March 27, 2012	<b>22.7</b>	<b>23.0</b>	<b>25.7</b>
	Portland Escarpment	Portland (CLEREL)	Portland Route 5
Range of % Damage	0 – 5.7	0.8 – 6.1	1.0 – 16.4
Average % Damage	3.1	3.1	4.23
Low on March 27, 2012	<b>22.7</b>	<b>22.0</b>	<b>24.0</b>
	Versailles	Sheridan	Silver Creek
Range of % Damage	5 – 50	5.8 – 22.5	0
Average % Damage	14.2	12.2	0
Low on March 27, 2012	<b>20.0</b>	<b>21.1</b>	<b>26.0</b>

We also examined Concord vineyards in Niagara County but growth stage was such that very little damage, if present, was easily identified at this time. No dead buds were found.

Not surprisingly, vineyards with the most damage were those that had moved past the bud swell stage and were showing pink, as well as those with heavy Phomopsis infections and/or lower vine vigor that resulted in weak cane growth.

These damage ratings are to be used only as a guide to give you an idea of what might be happening in your area. The only way to determine what is the actual amount of damage is in your vineyards is to get out and take a look. With the numerous freeze events we have/are experiencing this spring it would be worth the time to get out and see where you stand in the way of healthy buds. This will provide you with important information that you can use in determining whether your vineyard IPM strategy needs to be adjusted for the coming growing season.



*Flea beetle damage*



*Phomopsis*

While you are out rating bud damage, make the most of your time in the vineyard by doing some scouting for early season insects, weeds and diseases. From my vineyard visits this spring it is apparent that last year was a good year for Phomopsis (*image above right*) and this year started out being a good year for grape flea beetle, or steely beetle (*image above left*). Should you put on a 3- to 6-inch fungicide application for Phomopsis? That can't be answered without getting into each vineyard block and assessing not only the amount of overwintering Phomopsis inoculum but also determining how many live buds are available. It is always a good idea to keep your disease management program up to speed but in years with limited crop it will take some pencil pushing to determine if the benefit is worth the cost. Continued monitoring of steely beetle is called for as while they are currently absent from the vineyards it will not take too many warm days for them to get back in the mood to feed.

We will continue to monitor the 9 site vineyards as well as those in Niagara County to determine the full extent of the damage, especially in light of the continued freezes and freeze warnings this week.

## **FREEZE DAMAGE – BUD ASSESSMENT AND DECISION-MAKING**

A month ago, I wrote about a couple of scenarios for this spring.

- 1) No spring freeze/average growing season and
- 2) spring freeze/average growing season.

Clearly, our season has gone beyond the March 8 #1 (no spring freeze, normal season), so it is time to focus on planning for damage control.

Situation: Spring frost(s)/freeze(s), followed by average(!) growing season. Because we began 2012 with the potential for at least an average-sized crop, based on the 2011 growing season, there is no reason to assume that, at this point, all is lost. Dr. Stan Howell (*retired, MSU*) wrote a succinct and thorough [article](#) on spring freeze, what to do about it, and how to calculate a back-of-the-napkin estimate on crop size potential after a spring freeze. The moral of the story: do not give up on the crop or vines. We have a long way to go, true, but maintaining good vine health is critical in years even with reduced crop size.

So far, the good news is that most buds are stuck at bud swell, meaning they can handle some of these cold temperatures. The bad news is that there remains a chance for more damage for the next 4-5 weeks, especially if we get a few days of warm weather that encourages the buds to develop further.

*Viticulture strategies to mediate costs of spring freeze in 2012:*

Pre-bud break to bud break:

- *Same as above*, with the following exception:
- Do not plan to apply nitrogen fertilizer in blocks with spring freeze damage.

Early season to pre-bloom:

- *Same as above*, with the following exceptions:
- Skip nitrogen application.
- Skip shoot thinning.

Bloom to Veraison:

- *Same as above*, with the following exceptions:
- Skip petiole testing
- Skip shoot positioning (depending on vine size/vigor)
- Crop estimation

Veraison to Harvest:

- *Same as above*

Harvest to first freeze:

- *Same as above*

This is, by no means, a complete “to-do” list, but a reminder of what is recommended in spring freeze situations. As we discuss every year that the Lake Erie Region experiences a spring freeze with crop losses, after a spring freeze event with primary bud loss, it is critical to maintain proper disease and weed management, while eliminating applications of nitrogen fertilizer. Secondary buds will



still carry a crop, although the crop will be smaller. Tertiary buds generally have little to no crop, so depending on the timing of the freeze event, vineyards will likely still have *some* crop for 2012 after a spring freeze event. Crop estimation is still important during season with spring freezes, because having an estimate for crop insurance adjustors or processors becomes more important when deciding whether or not to harvest a smaller-than-average crop. Soil testing also remains important in seasons with spring freezes, especially in blocks with historic nutrient problems. UNLESS there are visible symptoms of a deficiency, petiole testing at bloom could be skipped, however, because applying nitrogen may not be a good use of money in situations with spring freeze damage.

What's next? If you have not finished pruning, maybe now is the time to leave up more buds. If you have finished pruning, plan on crop estimation on July.

If you have already purchased your fertilizer and plan on applying it anyway, keep in mind that a reduced crop + fertilizer = excessive vigor and may further reduce crop potential for 2013.

### ***What do we mean by "dead" and "watch list" buds?***

Here are a few images (All photos courtesy Bob and Dawn Betts):



*Image 1. Dead bud – The outside of the buds are brown and “crunchy” to the touch & clearly dehydrated.*



*Image 2. Inside of dead bud – brown*



*Image 3. “Iffy” or “watch list” – some pink showing with some browning on the outer edges. Cutting into this bud reveals green tissue with possibly additional brown edges.*



*Image 4. Live bud. Outer tissues/leaves are green with minimal browning on edges.*

## PESTICIDE TRAINING AND EXAM

**DATE:** Thursday, May 3, 2012

**TIME:** 8:30 AM – 4:00 PM

**LOCATION:** Chautauqua County, Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown, NY 14701

**COST:** The cost of the morning training is \$15.00 and must be received by Monday, April 23, 2012. This fee **does not** cover the cost of exams or manuals.

**SPACE IS LIMITED: PRE-REGISTRATION IS REQUIRED BY MONDAY, APRIL 23, 2012**

\*\*\*More information and Registration form are at the end of this Update! Please read all documents carefully.

## PESTICIDE CORE CREDIT RECERTIFICATION MEETING I

**DATE:** Wednesday, April 18, 2012

**TIME:** 10:00 A.M. – NOON

**LOCATION:** North East Township Building, 10300 West Main Road (Rt. 20), North East, PA

### AGENDA:

#### 10:00 AM – 11:00 AM Planning the Pesticide Application

Ruth Benner, IPM Extension Educator with Penn State Cooperative Extension – Erie County will provide details on planning a pesticide application using information from Chapter 10 of the National Pesticide Applicator Certification Core Manual found at:

<http://www.unce.unr.edu/programs/sites/pesticide/files/pdf/Chapter10.pdf>

*Topics covered will include but not be limited to; Selection of pesticides and additives, reading and understanding pesticide labels, tank-mixing of chemicals, what PPE to wear during mixing, loading and spraying and how to rinse and dispose of pesticide containers safely.*

#### 11:00 AM – Noon Pest Management Basics

Andy Muza, Lake Erie Regional Grape Program and Tim Weigle, NYS IPM Program will discuss Pest Management Basics, using information from Chapter 1 of the National Pesticide Applicator Certification Core Manual.

*The topics will include but not limited to; pest identification, understanding IPM options, understanding of how environmental factors can affect the pest/host relationship, how to identify the cause of non-effective pest control strategies and how to plan pest management strategies to minimize resistance.*

## PESTICIDE CORE CREDIT RECERTIFICATION MEETING II

**DATE:** Wednesday, April 18, 2012

**TIME:** 2:00 P.M. – 4:00 P.M.

**LOCATION:** Girard Township Municipal Building, 10140 Ridge Road (Rt. 20), Girard, PA

### AGENDA:

#### 2:00 PM – 3:00 PM Planning the Pesticide Application.

Ruth Benner, IPM Extension Educator with Penn State Cooperative Extension – Erie County will provide details on planning a pesticide application using information from Chapter 10 of the National Pesticide Applicator Certification Core Manual found at:

<http://www.unce.unr.edu/programs/sites/pesticide/files/pdf/Chapter10.pdf>

*Topics covered will include but not be limited to; Selection of pesticides and additives, reading and understanding pesticide labels, tank-mixing of chemicals, what PPE to wear during mixing, loading and spraying and how to rinse and dispose of pesticide containers safely.*

#### 3:00 PM – 4:00 PM Pest Management Basics

Andy Muza, Lake Erie Regional Grape Program and Tim Weigle, NYS IPM Program will



discuss Pest Management Basics, using information from Chapter 1 of the National Pesticide Applicator Certification Core Manual.

*The topics will include but not limited to; pest identification, understanding IPM options, understanding of how environmental factors can affect the pest/host relationship, how to identify the cause of non-effective pest control strategies and how to plan pest management strategies to minimize resistance.*

## **Viticulture 2013** *Conference and Trade Show*

Dear Grape and Wine Industry Colleague:

Mark your calendar the February 6-8 for the not-to-be-missed Viticulture 2013 conference and trade show at the Rochester Riverside Convention, with the adjoining Hyatt as the host hotel.

Every three years the New York Wine & Grape Foundation and Cornell Cooperative Extension sponsor a "Viticulture" conference, which includes world-class speakers addressing the hot topics of the day not only in viticulture but also enology, marketing, legal/regulatory, and financial areas.

We have received many good ideas for the Viticulture 2013 agenda from industry members, and we will incorporate as many of those as we can. We will also have our famous Unity Banquet the evening of February 6 when we recognize people who have made major contributions to the industry. And there is always a great trade show where you can "kick the tires" of various products.

As always, we will do everything possible to keep the registration fees for the conference as affordable as we can. Much more information will be coming, but for now circle your calendar!

All the best,  
Jim Trezise  
NY Wine & Grape Foundation

**Editors note:** *We are still looking for good ideas for speakers and talks for Vit 2013. If you have any ideas please send them along to [thw4@cornell.edu](mailto:thw4@cornell.edu)*

### **Next Electronic Crop Update will be: Thursday, April 12, 2012**

Lake Erie Regional Grape Program Crop Update is an e-mail newsletter produced by the Lake Erie Regional Grape Program and sent out by subscription only. For subscription information, please call us at 716.792.2800 ext 201, or look for subscription forms at [http://lergp.cce.cornell.edu/Join\\_Lergp.htm](http://lergp.cce.cornell.edu/Join_Lergp.htm).

### **Lake Erie Regional Grape Program Team Members:**

[Andy Muza](#), Extension Educator, Erie County, PA Cooperative Extension, 814.825.0900

[Tim Weigle](#), Grape IPM Extension Associate, NYSIPM, 716.792.2800 ext. 203

[Jodi Creasap Gee](#), Viticulture Extension Associate, CCE, 716. 792.2800 ext. 204

[Kevin Martin](#), Business Management Educator, 716. 792.2800 ext. 205

For any questions or comments on the format of this update please contact Tim Weigle at: [thw4@cornell.edu](mailto:thw4@cornell.edu).

Subscribe to [Appellation Cornell newsletter](#):

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/appellation-cornell/index.cfm>

[2010 Appellation Cornell Newsletter Index](#):

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/appellation-cornell/2010-index.cfm>

[Veraison to Harvest newsletters](#):

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/veraison-to-harvest/index.cfm>

[NY Grape & Wine Classifieds](#) – New Address! - <http://flgclassifieds.cce.cornell.edu/>

**This publication may contain pesticide recommendations.**

**Changes in pesticide regulations occur constantly, and human errors are still possible. Some materials mentioned may not be registered in all states, may no longer be available, and some uses may no longer be legal. Questions concerning the legality and/or registration status for pesticide use should be directed to the appropriate extension agent or state regulatory agency.**

**Read the label before applying any pesticide.**

**Cornell and Penn State Cooperative Extensions, and their employees, assume no liability for the effectiveness or results of any chemicals for pesticide usage.**

**No endorsements of products are made or implied.**

**Cornell University Cooperative Extension provides equal program and employment opportunities.**

***Contact the Lake Erie Regional Grape Program if you have any special needs such as visual, hearing or mobility impairments.***

**CCE does not endorse or recommend any specific product or service.**

**The Lake Erie Regional Grape Program at CLEREL  
6592 West Main Road, Portland, NY 14769**



Cornell University  
New York State  
Integrated Pest Management Program

**“CORE” Pesticide Training and Exam**

**\*\*\* Space is limited --- pre-registration is required \*\*\***

**\*\*\*by Monday, April 23, 2012 \*\*\***

Core level pesticide training will be offered by NYS IPM Program, Cornell Cooperative Extension on May 3, 2012 at the location listed below. **3.0 Credits for NYS Pesticide Applicator Re-certification** (these are core credits that do not cover category specific requirements) are available. PA core credits have been applied for. The NYS-DEC is offering pesticide applicator exams following the training.

**Thursday, May 3, 2012**

Chautauqua County  
Frank Bratt Agricultural Center  
3542 Turner Road  
Jamestown, NY 14701

The above program will all follow this schedule: 9:00 AM to 12:15 PM Core Training Session, 12:15 PM to 1:00 PM lunch on your own, 1:00 PM - DEC Pesticide Exam Session. You must pre-register for the exam with NYS-DEC by calling the Buffalo office at (716) 851-7220. The cost of the morning training is \$15.00 and must be received by Monday, April 23, 2012. This fee **does not** cover the cost of exams or manuals.

Any questions about your eligibility to take an exam or the status of your current certification should be directed to the Buffalo DEC office at (716) 851-7220. A pesticide manual order form and course registration form are enclosed. These need to be returned to the Jamestown office (pre-registration is required for the training). **You must also register with the Buffalo DEC office if you are planning on taking any exam.** Also, remember lunch is not provided at the day session so bring a lunch or plan to get something quick in town. **Training begins promptly at 9:00 AM and exams at 1:00 PM sharp.**

**DEC PROCEDURES REQUIRE YOU TO REGISTER FOR ENTRANCE TO THE EXAM SESSION  
WITH THE BUFFALO DEC OFFICE AT (716) 851-7220.**

If you have any questions, call me at 716-792-2800 x 203.

Tim Weigle  
Senior Extension Associate,  
Statewide Grape IPM, NYS IPM Program  
Cornell Cooperative Extension

Accommodations for persons with disabilities may be requested by contacting Tim Weigle at 716-792-2800, ext 203 or thw4@cornell.edu by April 23, 2012.

## **NOTES FOR PEOPLE TAKING EXAMS**

NYS-DEC has raised exam fees to \$100.00 for all exams. This fee must be paid prior to the exam date. If you are planning on taking any exam, contact the Buffalo DEC office at 716-851-7220 at least two weeks prior to the exam session. You will then be sent an exam application form and test instructions by the DEC.

Cornell Cooperative Extension can provide you with the books for the exams (see attached order form). However, questions about eligibility to take the exams or current certification status must be handled by the DEC office in Buffalo.

### **Notes for Buying Manuals for the Exam**

**Commercial Applicators:** You will need the “Core Manual” and the category manual for the area in which you will be certifying.

**Private Applicators:** You will need to get the “Core Manual” plus the private category manual for the area in which you will be certifying.

**DEC PROCEDURES REQUIRE YOU TO REGISTER FOR ENTRANCE TO THE EXAM SESSION WITH THE BUFFALO DEC OFFICE AT (716) 851-7220.**

**REGISTER FOR ANY TRAINING WITH THE APPROPRIATE CORNELL COOPERATIVE EXTENSION OFFICE.**

**You can also order manuals directly from  
PEMP at Cornell University by calling:  
(607) 255-7282**

**ORDERS MUST BE RECEIVED BY Monday, April 16, 2012**

**PESTICIDE TRAINING MANUALS  
ORDER FORM**

<b>Qty</b>	<b>Title</b>	<b>Price each</b>	<b>Total</b>
_____	<b>"CORE" Manual</b> (Needed by both commercial and private applicators (2003)	\$35.00	_____
_____	<b>Federal Farm Worker Protection "How to Comply" manual</b>	No Charge	
	<b>Commercial Category Manuals</b>		
_____	1.a. AGRICULTURE- PLANT (2006)	\$35.00	_____
_____	1.b. AGRICULTURE-ANIMAL (1999)	20.00	_____
_____	2. FOREST (2006)	35.00	_____
_____	3. ORNAMENTAL & TURF (2004)	35.00	_____
_____	4. SEED TREATMENT (1977)	14.00	_____
_____	5. AQUATIC (2004)	30.00	_____
_____	5.e. SEWER LINE ROOT CONTROL (1996)	30.00	_____
_____	6. RIGHT-OF-WAY (2005)	35.00	_____
_____	6b. GROUND LINE INSPECTION & PRESERVATIVE RETREATMENT OF STANDING WOOD UTILITY POLES (2002)	15.00	_____
_____	7.a. STRUCTURAL AND RODENT (2006)	35.00	_____
_____	7.b. FUMIGATION (1993)	24.00	_____
_____	7.c. TERMITE APPLICATOR'S CERTIFICATION PACKET ( 2000)	34.00	_____
_____	7.d. LUMBER AND WOOD PRODUCTS (1987)	15.00	_____
_____	7.f. FOOD PROCESSING (2005)	35.00	_____
_____	7.g. COOLING TOWERS (1998)	24.00	_____
_____	8. PUBLIC HEALTH (2002)	30.00	_____
_____	10. DEMONSTRATION AND RESEARCH (1978)	19.00	_____
_____	11. AERIAL APPLICATION (2001)	30.00	_____
_____	12. SALES (2004)	30.00	_____
	<b>Private Applicator Training Manuals</b>		
_____	21 Private Field and Forage (2003)	\$30.00	_____
_____	22 Private Fruit (2003)	30.00	_____
_____	23 Private Vegetable (2004)	30.00	_____
_____	24 Private Greenhouse & Florist (2002)	30.00	_____
_____	25 Private Nursery, Ornamentals & Turf (2004)	30.00	_____
_____	I will pick up my manuals at my local Cornell University Cooperative Extension office	No Charge for Postage & Handling	
_____	Please mail my manuals to me.		
	I have added <b>\$6.50</b> for Postage & Handling		_____
	<b>Total</b>		_____

## **“CORE” Pesticide Training Registration Form**

**Space is limited - pre-registration is required.**

**Manual orders must be received by Monday, April 16, 2012.**

To register for the training, fill out the following and send to the address below:

Agricultural Program  
Chautauqua County CCE  
Frank Bratt Agricultural Center  
3542 Turner Road  
Jamestown, NY 14701

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_ Number Attending \_\_\_\_\_

Registration and **payment** by Monday, April 23 (\$15 per person) \$ \_\_\_\_\_

Cost of manuals (from enclosed order form) \$ \_\_\_\_\_

**(Manual orders must be received by Monday, April 16, 2012)**

**Total enclosed** \$ \_\_\_\_\_

Make Checks Payable To: **Cornell University Cooperative Extension**

Do **not** include payment for your exam. This payment must be sent to DEC prior to the exam.