

NEWSS News



NORTHEASTERN WEED SCIENCE SOCIETY

August 2010



Comments from the President



The NEWSS 65th annual meeting will be held at the Renaissance Harborplace in Baltimore, MD on January 3-6, 2011.

Hilary Sandler
NEWSS
President

This is the same venue

where we met in 2007 and 2009. The hotel is located at 202 East Pratt Street, Baltimore, MD 21202 and the phone number is (410) 547-1200. As in 2010, we will be meeting jointly with the Northeast section of the American Society of Horticultural Science (NE-ASHS). The Baltimore Aquarium is located nearby and many restaurants are available within walking distance. The Baltimore-Washington International (BWI) Airport is close to the venue. We will be providing more information in the November newsletter but keep in mind that the cut-off date for hotel reservations is **December 20, 2010**.

2011 Annual Meeting-General Schedule and Programs. President-elect Mark VanGessel and Vice-President Toni DiTommaso have been working together to bring you an excellent program, including symposia and workshops. Mark and Toni will be providing more information in their sections of this newsletter. There may be differences in the order of our standard program activities (e.g., General Session, Symposia, and Graduate Student Contest), so be sure to familiarize yourself with the program schedule when making your travel plans. We will have the Awards Luncheon to recognize the exceptional efforts of our members in the areas of research, teaching, and service. The

Graduate Mixer is planned for Monday night as in the past. We will have our usual array of paper sessions, our annual Business Meeting on Wednesday late afternoon, followed by our traditional mixer (jointly with NE-ASHS). The Baltimore area is a great destination and I hope to see many of you at the meeting.

As in 2010, we will not be mailing the programs ahead of time. A PDF of the program will be sent to our current members via e-mail prior to the meeting for your perusal. You will be able to pick up your printed program at the registration desk at the meeting.

Meeting and Membership Fees. As mentioned in the April newsletter, the Society is in serious financial debt. To help bring us back into positive standing, there will be an (hopefully temporary) increase in the registration fees associated with the 2011 meeting. Please see the April newsletter for specifics on our budget. I want to encourage members that do not attend the annual meeting to please pay their membership dues. Membership dues are very important! Your dues help to support the on-going functioning of the Society including the support of the Director of Science Policy position and our membership in CAST (Council on Agricultural Science and Technology). The meeting registration fees go directly to defraying the costs associated with the ability of the Society to provide food and beverages during the meeting as well as paying for the use of the hotel facilities. If you plan to attend the meeting, your dues will simply be added to the total cost of registration.

Highlights:

- INFORMATION ABOUT NEWSS MEETING IN BALTIMORE
- DEADLINES AND SUBMISSION INSTRUCTIONS FOR TITLES AND ABSTRACTS
- AWARD NOMINATION DETAILS
- 2010 WEED SCIENCE CONTEST WINNERS
- REPORTS FROM COMMITTEE MEMBERS
- SUSTAINING MEMBERSHIP

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Comments from the President cont.-

Weed Contest 2010. The 2010 Weed Contest, hosted by Cornell University, was held in Freeville, NY on July 27. More than 90 students, representing 10 different institutions including non-NEWSS schools such as Ohio State, Michigan State, Purdue, University of Florida, and University of Illinois, competed in the contest. The weather was perfect, the scenery was gorgeous, and the food was plentiful. Many thanks to the organizers, Robin Bellinder, Toni DiTommaso, and Russ Hahn, for putting on an excellent event. For more information on the winning teams and individuals, see the special edition 'NEWSS News Supplement' dedicated solely to the Collegiate Weed Contest! The 2011 Weed Contest will be held in Knoxville, Tennessee. Stay tuned for more details on this event.

Call for NEWSS Awards Nominations



It's that time again! The NEWSS Awards Committee, who includes David Yarborough as Chair, Jerry Baron, Renee Keese, Bill Curran and Tim Dutt are soliciting nominations for the:

Dave Yarborough
NEWSS
Past President

DISTINGUISHED MEMBER

AWARD OF MERIT

OUTSTANDING EDUCATOR AWARD

OUTSTANDING RESEARCH AWARD

ROBERT D. SWEET OUTSTANDING GRADUATE STUDENT AWARD

SERVICE RECOGNITION AWARD

Award nomination information and guidelines are on the web site (<http://www.newss.org>). Please consider nominating one or more of your peers by sending the completed nominations to David Yarborough (davidy@maine.edu) by September 24, 2010. Specific information is provided below:

"DISTINGUISHED MEMBER AWARD"

The Distinguished Member Award is one of the highest honors the Society presents. The purpose of this award is to recognize those members, at any point in their tenure, who have made significant contributions to the NEWSS. Criteria for eligibility are simple. The recipient must be a member of the NEWSS and have made significant contributions to the NEWSS and to Weed Science in the Northeast. Specifically,

The recipient must be a member of the NEWSS.

The nomination must be by letter and 2 supporting letters are required.

The nominating letter should explain in general and specific terms the outstanding contributions of the nominee.

The contributions must be in regard to NEWSS and weed science in the Northeast.

There are some limitations - Awards Committee members are not eligible, and the Award is limited to a maximum of three per year.

"AWARD OF MERIT"

The Award of Merit recognizes career contributions to the NEWSS and weed management in the Northeast. Qualifications for the Award of Merit include at least five years of participation at the annual meeting, service to the NEWSS on the Executive Committee or as a Section Chair, and presentation and authorship of papers at the annual meetings. The Award of Merit is normally awarded at or near an individual's retirement. In case of doubt as to whether a member qualifies, the Awards Committee will decide.

"OUTSTANDING EDUCATOR AWARD"

The Outstanding Educator Award was established to recognize outstanding contributions to outreach education or resident instruction in weed science and weed management. Accomplishments that may be considered include (but are not limited to) excellence in Cooperative Extension education, resident instruction, or other educational programs; or the development of novel and effective educational resources in weed science. Criteria for the award include: Significant impact of an educational program (or programs) on weed management practices in the Northeast; and/or Innovative and effective educational programs or materials which have improved or enhanced weed management systems in the Northeast (or show the potential to do so); and/or Excellence in teaching, as evidenced by innovative teaching methods or significant impact on their audiences (understanding of weed science and weed management). Candidates for the award must be active members of the NEWSS.

"OUTSTANDING RESEARCHER AWARD"

The Outstanding Researcher Award was established to recognize NEWSS members for their outstanding research contributions, in the public or private sector, that have had (or have the potential to have) a significant impact on weed management practices in the Northeast. Criteria for the award include: Significant impact (or potential for such) of a research program or project on weed management practices in the Northeast; and/or Innovative and effective approaches to weed management research; and/or Development of novel instrumentation or devices used in weed management or weed science research in the Northeast will be considered. Candidates for the award must be active members of the NEWSS.

“ROBERT D. SWEET OUTSTANDING GRADUATE STUDENT AWARD”

The Outstanding Graduate Student Award was established to recognize outstanding students at the M.S. and Ph.D. levels who are NEWSS student members for their work and contributions to the field of weed science in research, teaching, extension, and to the society. Criteria for the award include: Nominees must be currently enrolled as a student or have received their degrees no more than 12 months prior to the annual meeting. The nomination must be by letter and 2 supporting letters are required. The nominating letter should explain in general and specific terms the outstanding contributions of the nominee. The nominator should also include the (1) Academic and work history, (2) Listing of research publications including those in peer-reviewed journals and bulletins, (3) Teaching experience in classroom and laboratory including teaching assistant (include specific responsibilities) and guest/invited lectures, (4) Extension activities including field days, presentations at meetings, in-service training, civic personnel, schools and general public, (5) Service to weed science organizations, and (6) Honors and awards (highlighting those related to weed science). Awards are limited to a maximum of one M.S. and one Ph.D. level award per year, but level awards are not required to be given in any one year. Winners of the M.S. level award are also eligible for the award during their Ph.D.

“SERVICE RECOGNITION AWARD”

The Service Recognition Award was established to recognize outstanding service, above and beyond the call of duty, from someone who works in the area of weed science under the direction of university, federal, industry or private sector scientists. The nominee must demonstrate significant contributions to the field of weed science and/or to NEWSS. Criteria for the award include: Employed in the field of weed science. A combination of two or more listed below: Presented or was the author/co-author of a paper at the Annual Meeting, or Served the Society for at least two years as a Section Chair, or Organized or had significant input into the Collegiate Weed Contest, or Assisted a NEWSS member with other society duties, or Published a paper in other weed science journals, or Demonstrated other significant weed science activity (public schools or other areas). A nomination letter and one supporting letter are required. In case of doubt as to whether a nominee qualifies, the Awards Committee will decide. The Special Recognition Award can be presented to service personnel who are not members of NEWSS but support members of NEWSS.

Nomination forms for the awards listed above may be found at: <http://www.newss.org/docs/mop/addendum-9.pdf>

DEADLINE FOR NOMINATIONS

Friday, September 24, 2010

Forward all documents to Davidy@maine.edu or Mail to

David Yarborough, NEWSS Awards Chair

University of Maine

5722 Deering Hall Rm. 414

Orono, ME 04469-5722

2011 Annual Meeting Program



Mark VanGessel
NEWSS
President-elect

The program for the 2011 Annual Meeting, our 65th meeting, is being finalized and will offer a variety of educational programs.

The meeting will be held January 3-6, 2011 at the Renaissance Harborplace Hotel, in Baltimore MD. We will

be meeting with the Northeastern Branch of the American Society of Horticultural Science. Committee meetings and graduate student mixer will be held on Monday afternoon and Monday evening. The poster session will be Tuesday morning followed by the General Session, keynote speaker, and the symposium. The theme for the Keynote Address and Symposium is “Impact of Environmental Regulation on Weed Science”. The US Environmental Protection Agency’s oversight of the Clean Water Act has allowed numerous updates since it was enacted over 30 years ago. The recently proposed National Pollutant Discharge Elimination System updates could have significant impact on the discipline of weed science. These changes will be highlighted during our symposium on regulations. The Awards Luncheon will be held Tuesday at noon as we have done in the recent past. Graduate student presentations will begin Tuesday afternoon.

Concurrent sessions will be Wednesday afternoon and Thursday morning. The Annual Business Meeting will be held Wednesday afternoon and followed immediately with the joint social mixer with the NE-ASHS. As we have had in the past two years, the breaks will be thirty minutes rather than fifteen to encourage discussion and networking. So far no one has mentioned a special symposium or outreach activity for the January meeting. If you have any plans to hold a meeting in conjunction with the annual meeting, please let me know.

I hope to see everyone at the meeting in Baltimore. We encourage your participation through presentations of posters and oral papers, as well as assisting in committees and meeting sessions. If you have a special interest or desire to help out in any way, please let me or any member of the Executive Committee know. Give thought to a title for the 2011 meeting.

2011 NEWSS Annual Meeting in Baltimore, MD
January 3-6.



Melissa Bravo
NEWSS
Secretary/Treasurer

NEWSS Financial Statement

NEWSS Fiscal Year Financial Update: Blue indicates income/expenses incurred since April 2010.

Beginning Balances: November 1, 2009 **\$56,247.00**

8 Month CD: \$20,175.00 Renewable April 4, 2010.

Checking: \$16,017.02

Savings: \$20,055.00

Transferred \$5,000.00 out of Savings to Checking to cover hotel bill 1/9/2010

Transferred \$5,000.00 back from Checking to Savings on 2/18/2010

Transferred \$ 20,250.74 CD maturity to Savings on 4/8/2010

NEWSS Income Deposited to Checking

November 1, 2009 thru July 28, 2010	Checking	Designated for	Amount Encumbered
Annual meeting income	\$23,326.71		
Industry Social	\$5,400.00		
Sustaining Membership (16) Platinum 2; Gold 4; Silver 5 ; Bronze 5	\$12,050.00	Weed Contest \$4,000.00	
Standing Orders	\$1,231.45		
Collegiate Weed Contest Participation Fees	\$1,022.50	Weed Contest \$1,022.50	
BASF Awards	\$300.00		
total	\$43,330.60	Weed Contest Subtotal \$6,022.50	

NEWSS Expenses Paid from Checking

November 1, 2009 thru July 28, 2010	
NIVM expenses late postings	\$5,460.15
Administrative (postage, supplies)	\$141.35
Annual meeting (Hotel, etc.)	\$27,745.54
Student awards	\$383.81
Photo contest awards	\$175.00
WSSA Dir. Sci. Policy Year 2006 late pay dues	\$6,300.00
EC Dishonesty Insurance Bond Renewal	\$233.89
Student room reimbursements	\$2,609.49
Speaker expenses	\$1056.31
Annual meeting awards – Etch Art	\$479.65
CAST dues	\$1,500.00
Omni Press—publications	\$3670.00
Website Administration fee	\$600.00
Standing Orders Admin. fee plus postage	\$290.15
Website A Small Orange domain fee	\$200.00
total:	\$50,845.34

NEWSS Income now through October 30th 2010

Pending Contest Participation Fees **\$1,857.17** Weed Contest Income: Subtotal \$7,879.67

(2 teams; Acteva disbursement)

INCOME: Running total (\$45,187.77) total: \$1,857.17

NEWSS Expenses now through October 30th, 2010

NIVM \$0.00
 Weed Contest Expenses to Cornell Univ. (est.) **\$6-8K** Pending Invoice from Host of Contest
 WSSA Dir. Science Policy Year 2010 dues **\$6,300.00**
 Standing Orders (check written, not dep. yet) **\$650.00**

EXPENSES: YTD running total (\$63,795.34) total: \$12-14K **YEAR TO DATE** Income vs. Exp.
Deficit - \$18 to \$20K

Checking Balance as of July 28, 2010 \$7,357.64 and Savings: \$40,315.84. Total Assets on hand July to October 30th: \$47,862.44

Less Expenses incurred to October 30th \$12-14K

Total net assets anticipated as of October 30th, 2010 + **\$34-36K**

Submitting Titles and Abstracts



We will again be using the website housed through the Weed Science Society of America for title and abstract submissions for our 2011 NEWSS Annual Meeting. There have been a few changes and improvements, but the site should look familiar if you used it last year. Dead-

Darren Lycan
NEWSS Editor

lines and instructions are below.

DEADLINES: Titles are due by September 15th. Abstracts are due by October 22nd.

LOG-IN. Go to <http://wssaabstracts.com>. If you submitted a presentation last year, your user login and password have been carried forward. Enter your login (usually your email address) and password and then click 'login'. If you have forgotten your password, click 'Reset Password' and follow the instructions. Be sure your email program/server is able to receive emails from webmanager@wssa.net so it is not blocked as junk mail. If you are a new user, click 'Setup Account' and follow the instructions.

SUBMIT TITLE (Now through September 15th). Once logged in using the instructions above, click 'Join a Conference'. You should then see a drop-down list appear at the bottom of the screen. Select 2011 Northeast Weed Science Society and click 'Add'. Now click the green 'Enter' button that will appear next to 2011 NEWSS. Click 'My Titles and Abstracts' and then 'Add Title/Abstract'. Enter title using WSSA approved common names for crops and weeds (hover cursor over green question mark for formatting hints). Choose Poster or Oral presentation. If an Oral presentation, select your preferences for paper section (e.g. Agronomy, Ornamentals, Biology and Ecology, etc.). Students wishing to compete in the oral competition should select Student Presentations as your 1st Section choice. Students that are presenting papers but do NOT wish to be in the competition should NOT choose Student Presentations section but other appropriate sections. If competing in either the Oral or Poster student competition, choose 'yes' paper is to be judged.

Authors from 2010 have been carried forward to 2011. Add the applicable authors from the drop-down list or click 'new author' to enter information for any author not already listed. Select the blue box next to the author that will be presenting the paper and use the green arrows to adjust the order the authors are listed if needed.

Once you have double-checked your information, click 'Save'. The submitter and presenter should both receive a confirmation email that your title has been received. You will be able to log back in to edit, add, or delete any title, section, or author information until September 15th.

After that time, contact Darren Lycan (darren.lycan@syngenta.com) and Mark VanGessel (mjv@udel.edu) to make changes.

SUBMIT ABSTRACT (September 15th through October 22nd) Login using instructions above. Click 'My Titles and Abstracts' and select 'Edit' next to the desired title. Click 'Add Key Words' and choose the appropriate selections from the drop-down lists. NOTE: All key words contained in your Title should be actively selected as key words. They will not automatically appear in the index if not selected here. If a key word is not found in the prepopulated lists, you can enter additional terms in the User Defined category. Abstract text can be entered directly into the text window or copied from another program. It is not necessary to reenter any title or author information into the text window. Please use Arial font size 12 if copying abstract from another program. This will help ensure that no unintended changes in content or clarity occur when abstracts are converted to Arial font size 12 for the Proceedings. Abstracts over 1 page will incur additional page charges. To ensure your abstract is one page, the character count (visible on bottom of the Abstract Text window) should be 3200 or fewer. It is recommended to minimize the use of trade names unless it is an abstract describing the initial evaluations of a new product offering or if multiple formulations of nearly identical herbicide products are being evaluated. If submitting a full paper for publication, Supporting Files (e.g. tables, figures) can be uploaded directly while in the site. Consider adding comments or sending me an email if further formatting explanation is needed for uploaded files.

Once you thoroughly review all information and abstract text and any corrections have been made, click 'Save'. Edits can be made until October 22nd when the Abstract submission site will be closed. After that time, contact Darren Lycan and Mark VanGessel to make changes.

QUESTIONS: Send an email to both Darren Lycan (darren.lycan@syngenta.com) and Mark VanGessel (mjv@udel.edu)

Submit your titles and abstracts for the 2011 Annual Meeting in Baltimore

Deadlines:

September 15—Titles

October 22—Abstracts

Submit them via the WSSA web site @

<http://wssaabstracts.com/>

Graduate Student Report



Angela Post
NEWSS Graduate
Student Rep.

Greetings NEWSS graduate students. As our summers of research and writing wind down, it is time to start thinking about fall classes, title deadlines, and upcoming meetings. This year in Baltimore we will be trying a new activity, first imple-

mented in the Southern region, a graduate student night out with industry. I am asking industry representatives who are interested in meeting with graduate students to sign up to be paired with a small group for dinner or after-dinner times during the meeting. Students please send me an email to sign up for this event so I can be sure we have enough sponsors to meet with interested students. Also, if you are an industry representative interested in this event you can contact me as well and I will put your name on the list. Indicate in your email the number of students you would like to take out and whether you prefer a dinner or "after-dinner" event.

Recently, many of us attended the Northeastern Collegiate Weed Science Competition held at Cornell University. We actually hosted not only Northeastern teams for this event, but teams from both the North Central and Southern regions. Graduate students from all over did a great job showing off their skills in weed and herbicide identification, farmer problems and sprayer calibration and though I was unable to attend this year, I have heard many positive things about this multi-regional contest. It was good practice for the collegiate contest planned for next year in Knoxville, TN which will be open to teams from all regions. I hope to see you there!!

Now a look at this year's national meeting in Portland, Oregon. There are a few new offerings that you should be aware of. In the past student membership fees have not been included in the meeting registration fee. This year that will change, and by registering for the meeting you will automatically be a member. Also, if you choose to become a member online before registering for the meeting, you have the option to buy the herbicide handbook for only \$20, a fraction of its actual cost.

Again this year we will be arriving for WSSA on Super Bowl Sunday and our national student president is working hard to get a Super Bowl party sponsored for graduate students. Two other new interactions are planned for graduate students at the national meeting

this year. First, there will be a "match-making" event that pairs graduate students with industry professionals or academics for a meal or break time during the meeting. This will allow a more direct connection for networking. Please sign up early to be a part of this activity. The only stipulation is that you will be paired with a representative or professor that you do not already know. So when you receive your assignment contact Sarah True if you already know the person and you will be re-assigned. To sign up for the national event please email Sarah True at sltrue@ncsu.edu.

Also at the national meeting this year, there will be an opportunity to speak with undergraduate students potentially interested in Weed Science. Some undergraduate students from the Portland, Oregon area will be attending our meeting for half day, and we will have a chance to speak with them and answer questions they may have about our experiences in weed science. Again, contact Sarah True if you are interested in participating in this event.

As always, if you have questions or concerns that relate to being a graduate student in weed science and particularly the Northeastern region, do not hesitate to send me an email. arpost@vt.edu. Take care all.

Research and Education Report



Rakesh Chandran
Research and
Education Coord.

As in the past, plans are to provide pesticide recertification credits for individuals requesting credits at the NEWSS annual meetings in 2011. Applications for recertification credits will be sent to all participating

state agencies in the Northeast including Virginia, West Virginia, and North Carolina. CCA credits will also be requested. Sign-up sheets will be placed in all sections/symposia/workshops certified by respective agencies that award credits upon program review.

DEADLINES:

AWARD NOMINATIONS

September 24, 2010

Sustaining Membership



On behalf of the NEWSS, I would like to personally thank the 16 organizations for your contributions in 2010. In these tough economic times, these contributions are critical to the society and I encourage all who are able to continue to support the society now and in the future.

John O'Barr
NEWSS Sustaining
Membership Chair

All membership levels receive a copy of the proceedings and an exhibit table and recognition at the annual meeting. The tiered fee structure provides benefits such as complementary conference registration(s), company link on the NEWSS website, etc., depending on the level of support.

Platinum and Gold Sustaining members automatically make a contribution to the collegiate weed contest. Silver and Bronze members are encouraged to make a separate donation for the collegiate weed competition. If you are interested in contributing to the Northeastern Weed Science Society please contact John O'Barr (john.obarr@basf.com, 717-386-8259).



NORTHEASTERN WEED SCIENCE SOCIETY

2010 Sustaining Members

Platinum



Gold



Silver



Bronze

BAAR Scientific

Crop Management Strategies

Gylling Data Management

LABServices, Inc.

For-Shore Weed Control

2010 Sustaining Members	2010 Level
BASF Corporation	Platinum
Syngenta	Platinum
Dow AgroSciences	Gold
Dupont Crop Protection	Gold
Monsanto	Gold
Valent	Gold
AMVAC Chemical Corporation	Silver
Bayer CropScience	Silver
FMC Corporation	Silver
OHP	Silver
PBI Gordon	Silver
BAAR Scientific	Bronze
Crop Management Strategies	Bronze
For-Shore Weed Control	Bronze
Gylling Data Management, Inc.	Bronze
LABServices, Inc.	Bronze

Level	Contribution	2010 Conf Registrations	2010 Weed Competition
Platinum	\$2,000	2	\$1,000
Gold	\$1,000	1	\$500
Silver	\$500	none	none
Bronze	\$250	none	none

Washington D.C.: Science Policy Report



Lee Van Wychen
Director of Science
Policy

Weed Resistance to Biotech Crops Stressed in NRC Report

The National Research Council (NRC) report, *The Impact of Genetically Engineered Crops on Farm Sustainability in the United States*, says that glyphosate resistant crops "could lose their effectiveness unless farmers also use other proven weed management practices." NRC Panel Chairman David Ervin, a Portland State University agricultural economist, said it's a "pivotal time" for genetically engineered crops. "Now's the time to take stock and document the weed resistance problem." Dr. Mike Owen from Iowa State was one of 12 authors on the report, but the only weed scientist.

The report includes 10 key findings and makes the following recommendations:

Recommendation 1. Federal and state government agencies, private-sector technology developers, universities, farmer organizations, and other relevant stakeholders should collaborate to document emerging weed-resistance problems and to develop cost-effective resistance-management programs and practices that preserve effective weed control in HR crops.

Recommendation 2. The U.S. Geological Survey and companion federal and state environmental agencies should receive the financial resources necessary to document the water quality effects related to the adoption of GE crops.

Recommendation 3. Public and private research institutions should allocate sufficient resources to monitor and assess the substantial environmental, economic, and social effects of current and emerging agricultural biotechnology on U.S. farms so that technology developers, policymakers, and farmers can make decisions that ensure genetic engineering is a technology that contributes to sustainable agriculture.

Recommendation 4. Public and private research institutions should be eligible for government support to develop GE crops that can deliver valuable public goods but have insufficient market potential to justify private investment. Intellectual property patented in the course of developing major crops should continue to be made available for such public goods purposes to the extent possible. Furthermore, support should be focused on expanding the purview of genetic engineering technology in both the private and public sectors to address public goods issues. Examples of GE-crop developments that could deliver such public goods include but are not limited to:

- plants that reduce pollution of off-farm waterways through improved use of nitrogen and phosphorus fertilizers,
- plants that fix their own nitrogen and reduce pollution caused by fertilizer application,
- plants that improve feedstocks for renewable energy,
- plants with reduced water requirements that slow the depletion of regional water resources,
- plants with improved nutritional quality that deliver health benefits, and
- plants resilient to changing climate conditions.

The report is the first comprehensive assessment of how GE crops are affecting all U.S. farmers, including farmers that do not use biotechnology and is available for free download from the NRC at

http://books.nap.edu/catalog.php?record_id=12804

EPA Releases Draft NPDES Permit Language

The Environmental Protection Agency released a draft **pesticide general permit** (PGP) that would set general conditions for point source discharges from the application of pesticides to "waters of the United States", defined by EPA to be:

Washington D.C.: Science Policy Report cont.-

Navigable waters

Tributaries of navigable waters

Interstate waters

Intrastate lakes, rivers, and streams:

Used by interstate travelers for recreation and other purposes; or

Which are the source of fish or shellfish sold in Interstate commerce; or

Which are utilized for industrial purposes by industries engaged in interstate commerce to include:

This definition has been interpreted to cover virtually all types of surface waters including: Rivers and streams; lakes and ponds; wetlands; sloughs; prairie potholes; intermittent streams; territorial seas, etc.

The draft PGP would cover discharges in areas where EPA is the permitting authority for the National Pollutant Discharge Elimination System (NPDES) program. These areas include Alaska, Idaho, New Hampshire, New Mexico, Massachusetts and Oklahoma, 6 of the 7 U.S. Territories, Indian Country lands, and certain federal facilities. The remaining 44 states, which are authorized to administer NPDES permits, will issue their own permits. State-issued general permits must meet all Clean Water Act requirements that the Federally-issued permit must meet but can be more stringent. EPA received comments on its draft permit through July 19 and intends to issue a final general permit by December. The 44 NPDES authorized states will need to have permits issued and effective by April 9, 2011.

EPA estimated the permit program will affect approximately 365,000 pesticide applicators nationwide that perform 5.6 million pesticide applications annually.

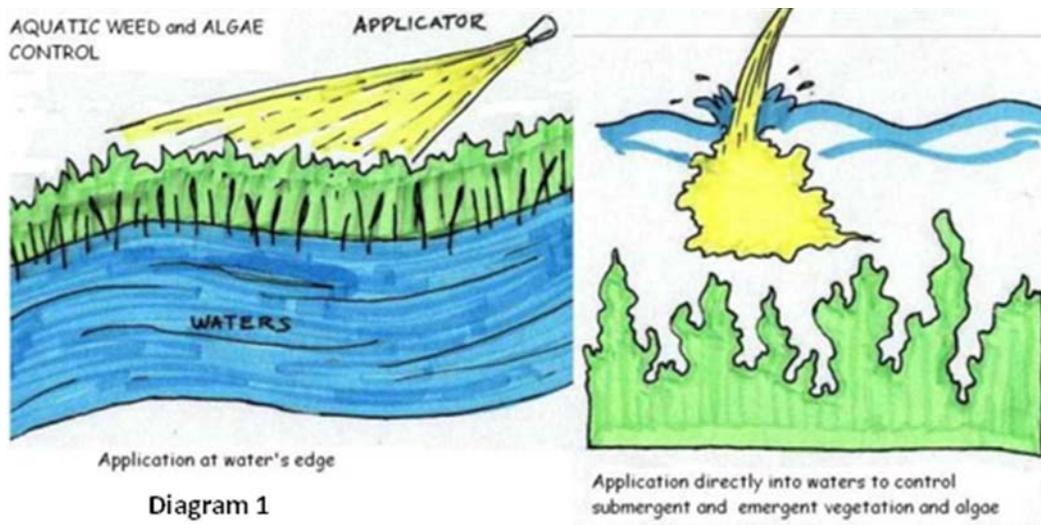
Pesticide uses covered under the draft PGP:

Mosquito and Other Flying Insect Control (in or above “standing or flowing water”)

Aquatic Weed and Algae Control (in “waters of the US” as well as “water’s edge,” including irrigation ditches/canals (see diagram 1)

Aquatic Nuisance Animal Control (in “water and at water’s edge”)

Forest Canopy Pest Control (where a portion of the pesticide will unavoidably be deposited to “water” below the canopy)



Washington D.C.: Science Policy Report cont.-

Pesticide uses outside the scope of the draft PGP:

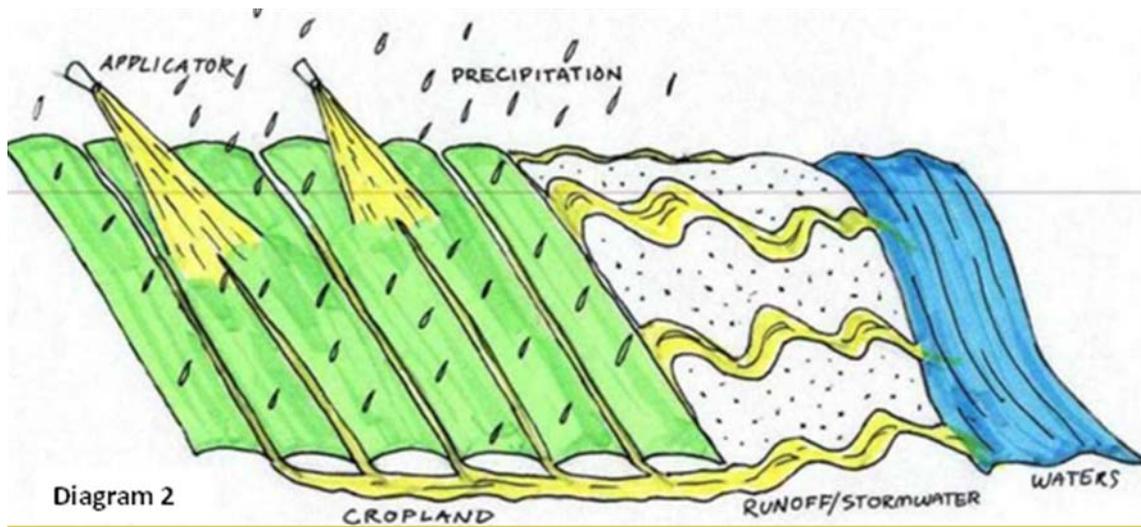
Terrestrial applications to control pests on agricultural crops or forest floors

Off target spray drift

Activities exempt from permitting under the Clean Water Act:

Irrigation Return Flow

Agricultural Stormwater Runoff (see diagram 2)



The application of pesticides for control of terrestrial pests associated with crop production is **not** covered under EPA's NPDES draft PGP. Farmers that apply pesticides in any of the four use patterns that discharge to U.S. waters may need permit coverage. Example: application of pesticides in or along the sides of irrigation canals or ditches to control vegetation.

Who Has to File a Notice of Intent (NOI)?

NOIs will be required for entities that know or reasonably should have known that they will exceed any of the pesticide application thresholds. The NOI filer, in most cases, would be the entity with control over financing for or the decision to perform pesticide applications, as opposed to the person performing the applications that result in a discharge, if different. However, any contract applicator would need to file an NOI, if it exceeds the application threshold for any applications not already covered under another NOI.

Continued on page 11

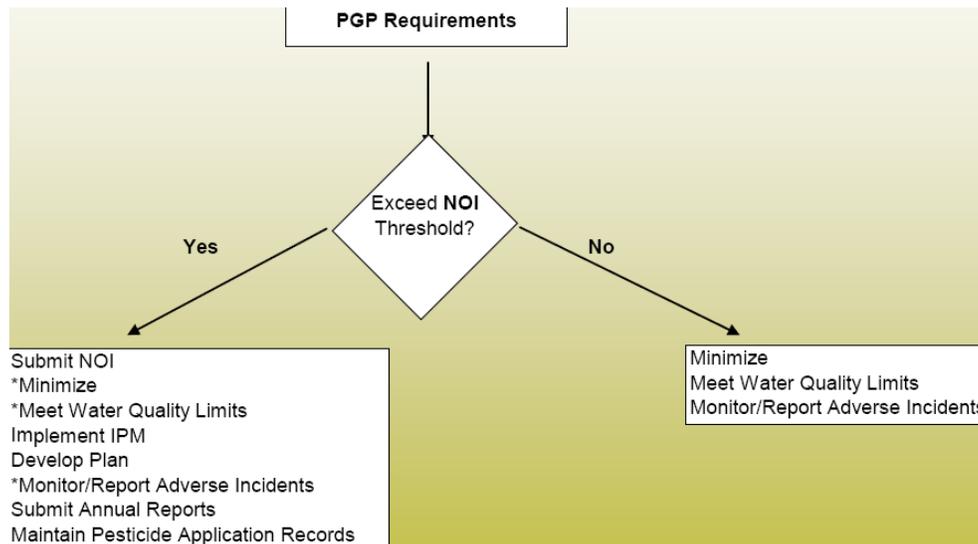
Washington D.C.: Science Policy Report cont.-

What are the Annual Treatment Thresholds?

Pesticide Use	Annual Threshold
Mosquitoes and Other Flying Insect Pest Control	640 acres of treatment
Aquatic Weed and Algae Control	
In Water	20 acres of water treatment area (1)
At Water's Edge	20 linear miles at water's edge (2)
Aquatic Nuisance Animal Control	
In Water	20 acres of water treatment area (1)
At Water's Edge	20 linear miles at water's edge (2)
Forest Canopy Pest Control	640 acres of forest canopy

(1) Calculations should include the area the applications made to: (a) waters of the US, and (b) "conveyances with a hydrologic surface connection to waters of the US at the time of pesticide application". For calculating annual treatment area totals, count each application as separate activity. For example, applying pesticides twice a year to a 10 acre site should be counted as 20 acres of treatment.

(2) Calculations are identical as above and each application counts as a separate activity. Thus, if you were treating both sides of a 10 mile ditch, that would equal 20 miles of linear water treatment.



While EPA is proposing an NOI framework to "obtain NOIs from the largest dischargers", the annual treatment threshold triggering an NOI submission for aquatic weed and algae management is only 20 acres of total treatment area or 20 linear miles of treatment area at the water's edge. The 20 acre threshold for aquatics is extremely low given EPA's stated intent to exclude small area operators. Operators that do not exceed an annual treatment area threshold are covered automatically under the PGP without the need to submit an NOI.

Washington D.C.: Science Policy Report cont.-

The agency asks for feedback on whether the framework "strikes an appropriate balance between capturing information on discharges from the largest pesticide application activities and avoiding the imposition of unreasonable burdens on operators whose pesticide application activities affect smaller areas," as well as comments on whether the threshold will result in EPA receiving NOIs from "an appropriately targeted set of large dischargers."

EPA is also seeking comment on other significant issues, including input on how many entities will be covered under the permit as written, limitations on coverage, technology-based effluent limitations, and water quality-based effluent limitations, as well as monitoring and reporting issues.

The National and Regional Weed Science Societies comments included:

EPA should ask 6th Circuit Court for additional time (at least 2 more years).

Application rate objectives are best met by directing the applicator to follow the FIFRA prescriptive label, rather than requiring research-based judgments the applicator is unqualified to make in order to "minimize" application rates.

EPA is incorrect that reduced rates are effective for resistance prevention (Note- EPA Office of Water staff assured me that this is not their objective, but that is not how the draft PGP currently reads.). Again, the PGP stresses "MINIMIZE" and makes it sound like you will be in violation of your permit if you DO NOT USE LESS than the labeled rate.

Increased jurisdictional clarity would help others determine if their pesticide use(s) warrant inclusion under this general NPDES permit. It's plausible that an applicator could be sued for applying a herbicide in their field where that field has a ditch with water in it at the time of application. While Agricultural Stormwater runoff and Irrigation Return Flow are exempt from Clean Water Act permitting, the application of pesticides for control of terrestrial pests associated with crop production is not covered under EPA's NPDES draft PGP.

Make Outstanding National Resources Water (Tier 3) eligible for PGP.

Pesticide R&D (such as that done at Land Grant colleges or Industry) should be automatically covered by this permit and not be required to submit an NOI and be subject to "citizen lawsuits".

More information on the NPDES requirements for discharges from pesticide applications is available at www.epa.gov/npdes/pesticides. Copies of the draft PGP, the PGP fact sheet and Federal Register notice can be downloaded from that site as well as details on how to provide public comment through EPA's website at www.regulations.gov (for docket number EPA-HQ-OW-2010-0257). The Federal Register comment period closed on Monday, July 19, but if you have comments that you would like to relay to EPA, please contact me directly.

WSSA Appeal to USDA to Restore Weed Science Funding

The restructuring of the old CSREES into the new National Institute of Food and Agriculture (NIFA) has resulted in many changes in programs and priorities. While the National and Regional Weed Science Societies have been very vocal supporters of increasing the Agricultural and Food Research Initiative (AFRI) competitive grant money and maintaining the Land Grant formula funding, we were very disappointed when the AFRI request for applications (RFA's) were released in March. Since that time, we have had many meetings with USDA-NIFA and I have coordinated comments submitted jointly by the National and Regional Weed Science Societies. The National and Regional Weed Science Societies appealed to USDA to make three changes: **1)** Add a Foundational program within AFRI to address weedy plant biology, ecology and management, similar to those focused on phytopathology and entomology; **2)** Reconfigure larger AFRI research programs to encompass the full breadth of the agricultural sciences. Currently, program objectives are written so narrowly as to exclude not only weed science, but many other important areas of study; and **3)** Restore funding for integrated activities under the Section 406 Legislative Authority. Section 406 supports integrated weed management research through initiatives like the Regional IPM Centers, Risk Avoidance and Mitigation Program, Crops at Risk and Organic Transitions Program. Funding for these programs was zeroed out in the President's FY 2011 budget. I'd like to give special thanks to Dave Mortensen and Adam Davis on the WSSA Research and Competitive Grants Committee as

Washington D.C.: Science Policy Report cont.-

well as Mike Barrett for substantial comments and editing. In addition, both Mortensen and Barrett traveled to Washington DC to represent the WSSA in separate USDA-NIFA stakeholder workshops in April and June. The NIFA response to the Weed Science Societies letter indicates that money will be directed to weed resistance issues and that slightly more money will go to foundational programs rather than the five "pipeline" initiatives. The letter from Roger Beachy also indicated that NIFA will not support separate funding lines for the Section 406 programs (which has been the USDA position for a number of years), thus I will continue to lobby House and Senate appropriators to restore that funding through the appropriations process (which they have done up to last year). The 2011 AFRI RFA's are tentatively scheduled to be announced in December.

2012 Farm Bill Hearings Begin

The House and Senate Agriculture Committees have begun holding hearings on the reauthorization of the Farm Bill. House Ag Committee Chairman Collin Peterson, MN, noted that a mere 14% of the 2008 Farm Bill was targeted on actual farming. He stressed that existing support for small farmers must be maintained or large corporate farms would further dominate agricultural production. Likewise, the House Ag Committee Ranking Member Frank Lucas, OK, noted that 75% of the 2008 Farm Bill was devoted to nutrition programs. He also mentioned that increased regulations by the EPA are driving farmers and ranchers out of business by subjecting them to financial burdens to comply with new regulations.

Spray Drift Comments Submitted

The WSSA, Entomological Society of America -Plant-Insect Ecosystems Section (ESA P-IE), and the American Phytopathological Society (APS) jointly submitted Federal Register comments on the EPA Spray Drift Pesticide Registration Notice in March. One of our main recommendations included removing the word "could" from "could cause" (compared to the existing "causes adverse observable effects") on the proposed spray drift label language. "Could cause" is very subjective and could attract frivolous complaints, leading to difficult, confusing and uneven drift enforcement decisions. Obvious and off-label drift occurrences that might not have readily observable adverse effects are already enforceable as application violations (residues, species decline, etc).

Another important recommendation was to only use downwind buffers between target and sensitive sites instead of uniform buffers around all sites regardless of wind

direction. USDA determined with the previous EPA drift PR notice in 2000 that if buffers were not made wind-directional, the economic loss would be on the order of \$1-2 billion dollars due to the large amount of irreplaceable acreage removed from production.

Finally, I am working with Jill Schroeder and John Jachetta to bring Bob Wolf into Washington DC this fall to give a presentation to federal staff on the progress made in spray drift reduction technologies.

[Lee Van Wychen, Ph.D.](#)

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NEWSS Vice President Nominations

The Executive Committee is requesting nominations from the membership for the NEWSS Office of Vice President. The Vice President serves as Chair of the General Session for the Annual Meeting and automatically succeeds to the offices of President-Elect, President and Past President. Nominations for Vice President will have been members of NEWSS for at least three years. Send nominations to Jerry Baron by **October 11, 2010**.

Please email all nominations to:

jbaron@aesop.rutgers.edu

The 2010 Collegiate Weed Science Contest was hosted by Cornell University on July 27. The Winners were:

GRADUATE DIVISION:

- 1st place team: Michigan State University: Dan Tratt, Alex Lindsey, Laura Bast (A)
- 2nd place team: University of Florida: Anna Greis, Sarah Berger, Courtney Stokes, Sergio Morichetti (B)
- 3rd place team: Penn State University: Ben Crockett, Franklin Egan, Kristine Averill (C)
- 1st place individual: Jason Parish, Ohio State University (D)
- 2nd place individual: Alex Lindsey, Michigan State University (D)
- 3rd place individual: Kristine Averill, Penn State University (D)

UNDERGRADUATE DIVISION:

- 1st place team: University of Guelph: Thomas Judd, Blair Freeman, Eric Schroeders (E)
- 2nd place team: Penn State University: Ian Graham, Kelly Patches, David Harwick, Cory Chelko (F)
- 3rd place team: University of Illinois: Ross Recker, Sean Breen, Max Hendrickson, Matthew Carton (G)
- 1st place individual: Cory Chelko, Penn State University (H)
- 2nd place individual: Dan Tratt, Michigan State University (H)
- 3rd place individual: Kelly Patches, Penn State University (H)

D



E



A



F



B



G



C

H





Cast News



Council for Agricultural Science and Technology

Update for August NEWSS Newsletter

Randy Prostak
CAST
Representative

August 9, 2010

CAST has updated the organization's bylaws and continues to implement the changes in the way in which the organization operates. There was no spring 2010 board meeting and much of the work of the working groups is now completed on monthly conference calls. A Board of Trustees has been established and will do some of the work that was previous done by CAST committees which have been dissolved. All the weed societies CAST representatives met at the WSSA annual meeting in Denver. CAST continues to be involved in National C-FAR and Hill Seminars.

Several new publications have become available in the past few months. Please visit the CAST website at www.cast-science.org and click on "Publication List" on the left side of the CAST home page.

Northeastern Weed Science Society members can pass along publication ideas/requests for possible review and acceptance to Randy Prostak the NEWSS CAST representative and/or Jeff Derr the WSSA CAST representative.

NEWSS members should considering becoming an individual member of CAST by visiting the CAST website and clicking on "membership". Any questions you might have about CAST membership can be directed to Randy Prostak at rprostak@umext.umass.edu or 413-577-1738.

The 2010 Fall Board Meeting is scheduled for October 5-8 in Sacramento, CA.

Remember to submit your titles and abstracts for the 2011 Annual Meeting in Baltimore

Deadlines:

September 15—Titles

October 22—Abstracts

Submit them via the WSSA web site @

<http://wssaabstracts.com/>

Available now



WSSA Undergraduate Research Award—2011

The Weed Science Society of America (WSSA) has developed an Undergraduate Student Research Grant designed to encourage and involve exceptional undergraduates in agricultural research. Interested faculty members are encouraged to identify potential award candidates and discuss the possibility of sponsoring a research project. Awards may be used as a stipend, for research budget expenses (travel, supplies, etc.), to defer fees, to defray living expenses for summer research, or any combination of these items.

AWARD: Up to \$1000 for support of undergraduate research to be conducted over a minimum of one quarter/semester during 2011. This award may be used to defray the cost of research supplies or as a stipend. Support of a faculty sponsor is required. Awards will be made to the student, to be administered by the faculty sponsor's department.

APPLICANT: The applicant is an undergraduate student with a strong interest in Weed Science. Students majoring in all related disciplines may apply.

TO APPLY: Applicants should prepare a 2-3 page research proposal including name, address, phone number, E-mail address, title, objective, experimental approach, discussion, budget and references. The discussion section of the proposal should describe the expected results and their possible significance to Weed Science. The student should provide a cover letter in which general academic and career goals are discussed. A copy of the student's academic transcripts must also be provided.

FACULTY SPONSOR: Any faculty member who is actively engaged in Weed Science research is qualified to be a sponsor. The faculty sponsor should review the research proposal with special attention to the budget; the distribution of funds should be approved by both the student and sponsor. In addition, the sponsor should provide a letter of reference including a statement of his/her willingness to supervise the proposed research and to provide needed space, equipment and supplies above those requested in the proposal. The sponsor is encouraged to assist the student in presenting his/her results at a regional Weed Science Meeting.

HOW TO APPLY: The completed proposal, academic transcripts, cover letter and faculty letter of support should be forwarded to: Dr. John Jachetta, Dow AgroSciences, 9330 Zionsville Road, Indianapolis, IN 46268-1054; Phone: (317) 337-4686, Fax (317) 337-4649, email: jjjachetta@dow.com. Proposals should be received no later than November 13, 2010. Funding decisions will be made by January 21, 2011 and presented at the 2011 WSSA National Meeting Awards Ceremony.

Other Announcements

2010-11 Meetings of National and Regional Weed Science Societies

Dec. 13-16, 2010 North Central Weed Science Society (NCWSS), Lexington, KY www.ncwss.org

Jan. 3 - 6, 2011 Northeastern Weed Science Society (NEWSS), Baltimore, MD www.newss.org

Jan. 23-26, 2011 Southern Weed Science Society (SWSS), San Juan, PR www.weedscience.msstate.edu/swss/

Feb. 7 -11, 2011 Weed Science Society of America (WSSA), Portland, OR www.wssa.net

Mar. 7-10, 2011 Western Society of Weed Science (WSWS), Spokane, WA www.wsweedscience.org

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NORTHEASTERN WEED SCIENCE SOCIETY

NORTHEASTERN WEED SCIENCE SOCIETY

The Northeastern Weed Science Society serves the Northeastern United States by bringing together those who are concerned with the knowledge of weeds and their control; cooperates with other scientific societies to promote research, education, and outreach activities; and publishes scientific and practical information of value concerning Weed Science and related fields.

NEWSS Web site:

www.newss.org

**Thanks to our Sustaining Members
for their support!**

2011 Annual Meeting in Baltimore, MD.

Renaissance Harborplace

January 3-6.



Newsletter compiled & edited by Barb Scott,
NEWSS Public Relations Representative.



NORTHEASTERN WEED SCIENCE SOCIETY

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