



Letter from Your INLA President

Dear INLA Members,

Congratulations on a great Spring! Around the state this has been another unique spring season for all of us in the green industry. We have all experienced more than adequate rainfall, some to the point of damage. The fact that we are in this together and have made it thus far is reason to celebrate and remember the blessings we all have.

INLA is excited about the growth and opportunities that have developed the last few years and the potential for the future. Our relationship with Joan O'Brien as our Director is providing us great stability and continuity to enable our association to grow and change how WE want it to. We are all aware of the tight budgets in our industry and ask that you continue to make INLA membership a priority.

Your membership dollars are profitable when you become involved to reap the benefits provided. Please take note of the activities of **OUR** association and pick a couple of things to attend or become involved with:

- Summer Field Day – July 19 – hosted by ISU at the Hort Research Farm in Ames (registration through Iowa State University)
- ICNP On-Line Training Modules, **free** to any member for use and practice for the ICNP testing (a great resource for training of new employees)
- INLA Committee Meetings (Open to all Members) – February 21 at Scheman Building in Ames (please let myself or Joan know if you are interested)
- Iowa Certified Nursery Professionals (ICNP) Continuing Education Session – February 21 at Scheman Building in Ames (registration will come out with STSC in early winter)
- ISU Shade Tree Short Course and INLA Conference – February 21-23, 2011, in Ames (info will be available in early winter)

As horticulturists, we understand the parable that you only “reap what you sow”. To reap from the association you must “sow” time for involvement, your rewards professionally and personally will be great. Please contact myself or Joan at the office if you have any questions.

We are in a Great Industry, with a Great Association, amongst Great Friends. I pray for the success of us all throughout the next year.

Serving **Your** INLA,

Tom Hughes
President

Iowa Certified Nursery Professional Test Information

INLA members,

For those of you interested in becoming certified as an Iowa Certified Nursery Professional (ICNP) we would like to extend the opportunity to do so. The exam we are offering will take place on July 19th, 2011 during the ISU All Horticulture Day at the ISU Research Farm. The test is scheduled to be given from 8:00am – Noon.

We do need a minimum of 8 people to be able to offer the exam so please let us know if you intend to complete the exam on July 19th.

We will make a final determination on /around July 11th as to whether or not the exam will be held.

For questions please contact:

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Third Annual All-Horticulture Field Day to be held July 19, 2011

You are invited to the third annual All-Horticulture field day to be held at the Horticulture Research Station on July 19, 2011. This opportunity will showcase research projects being conducted at the station in all areas of horticulture. Concurrent sessions will allow you to learn more about specific areas of horticulture and to network with others in the "growing" horticulture industry.

Special areas of interest will highlight ornamental plant trials, tips on summer gardening favorites, lawn and turf management, urban tree development, landscape design and installation, organic horticulture, and GAP certifications.

Registration is \$30.00 for full day attendance. Look for further details and registration information to be coming out soon via e-mail and on the All-Horticulture Field Day website at: www.hort.iastate.edu/news/docs/2ndAllHortFieldDay.pdf

**Registration form will be attached to July 2011 Newsletter*

Topics to include

Ornamental Plant Trials: From its inception, the ISU Horticulture Research Station has been an important venue for the evaluation of woody plants. It's an ideal site for long-term testing of new landscape trees and shrubs under rather challenging soil and climatic conditions. Data on the survival and overall performance of promising new trees and shrubs are being gathered here as part of a broader, regional effort—The NC-7 Regional Ornamental Plant Trials.

Turfgrass Research Plots: This field day stop will help you easily identify lawn grasses and their problems.

Floral Provision Trials: This multi-year trial is assessing the impact of strips of perennial flowers on attracting pollinators to muskmelon and butternut squash, and gauging the impact of flower strips on marketable yield of these two crops.

Strawberries: With cultivator trial research and field testing a warning system for anthracnose fruit rot; you will surely elevate your knowledge of this popular summertime fruit.

EarthKind Hydrangea Trial: EarthKind is an innovative new program that addresses environmental landscape practices. This stop will highlight northern EarthKind Hydrangea trials. These plantings are part of the nationwide trialing program of hydrangea cultivars being evaluated for their suitability for inclusion in EarthKind landscapes.

High Tunnels: High tunnels extend the growing season and produce greater quality fruits and vegetables. See both fruits and vegetables growing in different sized high tunnels.

Mulch: Plastic mulch is a great tool to control weeds, maintain soil moisture, and decrease fertilizer leaching, among other advantages. Unfortunately, polyethylene plastic mulch must be removed from the field each year and sent to the landfill for disposal, which increases cost. Photodegradable mulch has been on the market for several years and decom-

poses as sunlight hits the exposed mulch, eliminating the need to pull up and remove it at the end of the year. However, the sides of the plastic buried under the soil are not exposed to sunlight and do not break down. Recently, biodegradable and oxo-degradable mulches have been developed that break down into carbon dioxide, water, and biomass, therefore eliminating the need to remove it at the end of the season. Bio-degradable mulches showed promise in a 2010 trial at the Muscatine Island Research Farm and warrant further investigation. The project has been expanded for 2011 to include a trial at the Horticulture Research Station and will include oxo-degradable mulches as well.

Horticulture Enterprise Management: A horticulture enterprise class modeled after the Ag450 class.

Organic and Conventional Production: In this 3-year experiment, funded by the CERES Foundation, we are examining effects of cover crops, tillage and plastic mulch on organic and conventional lettuce, broccoli, corn and soybeans. In the first year, organic vegetable yields relying on compost fertilization equaled conventional yields. Economic outcomes are also under evaluation, given the premium price for organic crops.

Featured Landscape Plants: Join Brent Gustafson, Midwest Groundcovers and Ann Marie VanDerZanden, ISU to learn more about the Midwest Solutions concept and how it can be incorporated into your landscape. They will have a number of the plants used in Midwest Solutions available so you can see the color, texture and plant form combinations.

Grape Cultivar Trial: In conjunction with the Northeast Regional Research project NE 1020 "Multi-state Evaluation of Wine Grape Cultivars and Clones," Iowa State University established a cold hardy wine grape cultivar trial in 2008 at the ISU Horticulture Research Station and Tabor Home Vineyards and Winery near Baldwin, IA.

GAP Certification: The GAP's stop will include some basic ideas in "Good Agricultural Practices." General rules, that apply to all produce crops, from pre-plant to consumer. Topics will include soil amendments, water safety, harvest and post harvest handling, and keeping good records. A demonstration on how to clean a few different produce items will give some different considerations for different types of produce to attendees.

To see a full list of agenda items please visit:

www.extension.iastate.edu/boone/news/Hort+Day.htm

Green Jobs Attract Graduates

By Austin Considine

WHEN the anchorman Howard Beale uttered his famous vituperations in the 1976 film "Network" ("I'm as mad as hell and I'm not going to take this anymore!"), he was a grizzled, alcoholic veteran of the television rat race, at the climax of a long, slow boil.

Rachael Kleinberger was luckier (or smarter): she already knew she wanted out at age 25, quitting her job at a reality-TV production company for a position at a nonprofit organization focused on the environment.

"I want to do something helpful," she said, "or do something at the end of the day that's like, 'This makes me feel good that I spent this much time doing it.'"

One doesn't leave a promising media job for just anything these days. Ms. Kleinberger is one of a new wave of recent college graduates entering a career field that, like blogging and social media strategy, hardly existed a decade ago: environmental sustainability.

Suddenly, "sustainability" seems to resonate with the sex appeal of "dot com" or "start-up," appealing to droves of ambitious young innovators. Amelia Byers, operations director for Idealist.org, a Web site that lists paid and unpaid opportunities for nonprofit groups and social enterprise companies — some 5,000 of which are environmental organizations — said the number of jobs related to environmental work has roughly tripled in the last three years. "A lot of new graduates are coming out of a world where volunteerism and service has been something that has helped define their generation," she said. "Finding a job with meaning is an important value to them."

The rapid expansion of green jobs isn't confined to the non-



profit sector. There is money to be made here as well. Ivan Kerbel, director of career development for the Yale School of Management, a graduate-level business program, noted that environmental issues like reducing waste and carbon footprints were increasingly important to corporations of all kinds, something business students are recognizing. Even ultra-ambitious M.B.A. candidates with C-suite aspirations are integrating issues like sustainability into their education, he said.

"The leading companies have taken it on in a way that means you don't have to feel like you're self-ghettoized into this functional niche," he said.

Ms. Byers attributed the growth in part to a generational shift toward "values driven" professions. Unsurprisingly, such jobs are often quite hip.

Ms. Kleinberger, now 26, of Santa Monica, Calif., said it was important that browbeating was not in her job description; creativity and inclusion were paramount. As part of her job at Global Inheritance, a nonprofit group that uses arts and creativity to encourage environmental sustainability, she helped organize D.J. performances, powered entirely off the grid, at the [Coachella](#) music festival in April; last month, the group took energy-generating bicycles that charge cell phones and iPods to the Indy 500.

"The way that they approach sustainability and conservation issues is really fun and innovative," she said about her employer. "We fit right in at Coachella, let's put it that way."

For more information go to:

www.nytimes.com/2011/06/26/fashion/new-wave-of-graduates-prefers-environmentally-friendly-jobs.html?_r=2&src=me&ref=style

E-Verify Legislation Looming

If House Judiciary Chair Lamar Smith (R-Tex.) has his way, the federal government's E-Verify program will become mandatory—something green industry and agricultural employers fear will be disastrous.

Smith is introduced legislation this week that will require companies to submit all employee data to the online verification system, despite its acknowledged shortcomings. Debate on the legislation in the House of Representative began today. The American Nursery and Landscape Association's (ANLA) vice-president for government relations and research Craig Regelbrugge, who has spoken with Representative Smith's legal counsel, states, "There is acknowledgement that the labor-intensive agriculture community would be uniquely affected by this legislation. While several considerations have been alluded to, none of them offer the guarantee

of a legal and reliably available workforce that our industry and American agriculture, need to remain in business."

ANLA has planned a significant grassroots effort to forestall the progress of Smith's proposed bill. Listen to Craig explain the unintended consequences of this program at: www.anla.org/knowledgecenter/collections/index.cfm?Collection_ID=90&Episode_ID=199&Scene=2&CFID=1955985&CF_TOKEN=91736974.

Also, if you are interested in a sense of what Judiciary Chairman Lamar Smith's bill does and does not do, visit www.ANLA.org for a technical summary. You will need your member login as this info is protected for members only.

Help Clients Cut Energy Bills by 30%

By Arbor Day Foundation of The Daily Green

Did you know that just three trees properly placed around a house could save up to 30% of energy use? This is according to the [U.S. Forest Service Center for Urban Forest Research](#). One study found that trees planted on the south and west sides of houses in Sacramento, Calif., reduced summertime electricity bills by an average of \$25.

Trees provide many benefits to all of us, every day. They provide cooling shade, block cold winter winds, attract birds and other wildlife, purify the air, prevent soil erosion, clean our water and add grace and beauty to our homes and communities. In Chicago, the city's 3.6 million trees reduce air pollution by about 890 tons annually, a \$6.4 million benefit, according to the Forest Service. And in Portland, Ore., street trees growing in front of or near a house added an average of \$8,870 to its sale price and reduced time on the market by nearly two days. (Bing: [What are the best trees for your yard?](#))

Planting the right trees in the right places conserves energy and reduces your energy bills, while helping to fight global

warming.

Try these tips for getting the most energy- and money-saving benefit from the trees you plant on your property.

To view the entire article please visit:

realestate.msn.com/-plant-trees-and-cut-your-energy-bills-by-30percent?GT1=35009



Order your INLA Garden Catalogs

The Iowa Nursery and Landscape Association strives to provide our members the tools and knowledge needed to run a successful business. One of the tools INLA provides are Garden Catalogs that you can provide to your customers.

INLA offers the following catalogs, planners, and care guides: trees and shrubs, perennials, ideas, yard and garden, and planting and care guide.

Attached is the order form for INLA catalogs. If you would like to order any catalogs, please fill out the form and return it to the INLA office. I

f you have any questions, please call the INLA office at 515.262.8323.

EPA Approves Two Insecticides for Control of Invasive Stink Bug

WASHINGTON – On June 24, 2011, EPA approved, for emergency use, the insecticide dinotefuran (trade names Venom and Scorpion) on tree fruit to help manage populations of the brown marmorated stink bug, an invasive insect that has caused extensive yield losses in tree fruit production in the mid-Atlantic region. The approval, known as an emergency exemption, applies to Virginia, Maryland, Delaware, Pennsylvania, West Virginia, North Carolina and New Jersey. Under the exemption, producers of stone fruit (such as peaches, plums and cherries) and pome fruit (including apples and pears) are allowed to manage the brown marmorated stink bug with two applications of dinotefuran by ground equipment per season.

"EPA is very concerned about the impact of stink bugs on agricultural production and will continue to monitor the problem and provide growers safe and effective tools to help manage this pest," said Steve Owens, assistant administrator of EPA's Office of Chemical Safety and Pollution Prevention. "We are committed to continuing to work closely with the agricultural community to address this very serious problem."

Under the emergency exemption provision of the Federal

Insecticide, Fungicide and Rodenticide Act, states can petition EPA for the use of an unregistered pesticide on a temporary basis if it will help alleviate an emergency pest problem. Before approval, EPA must be able to support the use from a health and safety standpoint. EPA has assessed the risks of the exemption involving dinotefuran and has made a safety finding for the use. Dinotefuran is already approved for use on leafy vegetables.

Also, on June 21, 2011 EPA approved an additional use for an insecticide that may help manage stink bugs in organic production systems. The new product contains azadirachtin and pyrethrins, which are derived from botanical ingredients. This product is now approved for use on many crops where stink bug management is needed, and it can be used by organic farmers.

EPA continues to work with Congress, USDA, lead state agencies, various federal research agencies, universities, private companies and growers, in an effort to develop a sustainable pest-management tool box to manage brown marmorated stink bugs.

For more information: www.epa.gov/pesticides

Imprelis Damage on Trees

By: Nick Christians

Imprelis (aminocyclopyrachlor) was released by DuPont Professional Products into the turf market this spring as a broadleaf control. It is part of a new chemical subclass called pyrimidine carboxylic acids. We have studied this product experimentally at Iowa State for the past couple of years and have found it to be very effective against a broad spectrum of broadleaf weeds. Its advantage is that it is effective against several hard to control weeds such as ground ivy, violets, and henbit. It also has the advantages of being applied at very low rates of active ingredient and is rainfast, meaning that it does not need to remain on the weed leaves for a period of time. It's safe on most cool-season grasses and some warm-season grasses, including zoysia-grass.



In early June, a number of reports on tree damage on areas treated with Imprelis began to come in. The first reports that I heard were from the east coast. Then pictures and reports started coming in from Chicago. Yesterday, I heard that there are several reports from the Atlanta area. The two most commonly damaged trees have been Norway spruce and white pine.

It is important to note that there are many locations where the product was used and no tree damage has occurred. Also, not all trees on the treated areas are damaged.

The pictures below are Norway Spruce and were taken in the Chicago area. The damage appears to be systemic, meaning that the material is being taken up by the roots and translocated to new growth. On this site, about 20 trees out of approximately 120 susceptible plants were damaged. In this

case, there was heavy rain after treatment that may have increased movement of the product into the rootzone.

Dupont released a letter last night to users of the product. Their recommendation is as follows:

"As a precaution, until we can more fully understand the circumstances, and whether Imprelis may have contributed to the observed symptoms, do not apply Imprelis where Norway Spruce or White Pine are present on, or in close proximity to, the property to be treated. Additionally, when applying Imprelis, be careful that no spray treatment, drift or runoff occurs that could make contact with trees, shrubs and other desirable plants, and stay well away from exposed roots and the rootzone of trees and shrubs. Consult a certified arborist if you are uncertain about the root zone of specific tree species."

My personal recommendation is to be very cautious with the use of this product until we know exactly what is going on. This story is just developing and I will keep you posted as new information is released.



Additional links for more information:

www.ppd.l.purdue.edu/PPDL/hot11/6-10.html

extension.psu.edu/greenindustry/giec/news/2011/heads-up-spruce-and-pine-injury

bygl.osu.edu/#5

SAVE THE DATES

56th Annual Iowa State University Shade Tree Short Course and Iowa Nursery & Landscape Association Conference and Trade Show

February 21-23, 2012 . Scheman Building . ISU . Ames, IA

Attendees, look for registration forms in December. If you are interested in displaying your wares and services at the Shade Tree Short Course and INLA Trade Show, please contact the INLA office at 515.262.8323.

Go to: www.ucs.iastate.edu/mnet/shadetree/home.html for more information.