



The Voice for Illinois Forests

To act on issues that impact rural and community forests and to promote forestry in Illinois

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...and more

IFA Web site
www.ilforestry.org

Message from the President

John E. Gunter

The impact of the drought on Illinois crops is well played in the media. However, little is mentioned about both the short and long term consequences on trees and woodlands. We have had a few trees die on our property and have observed numerous dead and dying trees in the landscape. According to long term weather predictions, extremes in weather such as droughts, ice storms and derechos may be the new normal. Prudence would suggest that we start thinking about the likelihood of such events and plan our management accordingly. It will be even more important than usual to maintain healthy and vigorous stands by proper species selection, competition control, aggressive thinning, and control of invasive species. Watering of individual, high value trees may even be warranted. And, it can't hurt to pray for more rain in our current situation.

Elsewhere in the newsletter, you will find an article on the recently completed economic analysis of Illinois's forestry and forest products industry. This milestone study was funded by the Illinois Forestry Development Council and conducted by forest economists, Drs. James Henderson and Ian Munn of Mississippi State University's Department of Forestry. The total impact of our industry of 23 billion dollars (Yes, I did say BILLION) is not chump change. Forestry is truly the secret industry of Illinois and it is past time for that secret to be unveiled. We need to widely publicize the impact of this renewable natural resource that generates jobs and economic benefits in Illinois. Illinois forestry supports around 131,500 full and part-time jobs with an annual payroll of \$8.1 billion. It also provides much needed tax revenues coveted by politicians-- a sum total of \$2.49 billion was collected in 2010.

State elected officials and agency heads must be informed of the true economic impact of Illinois woodlands and forest products, as well as the environmental and recreational values provided by managed woodlands. IFA started moving forward on this project at our May Lobby Day and is making plans to continue the process with our partners. IFA will have an ample number of brochures on the economic analysis printed and there will soon be information available on the website as to how **you** can obtain brochures and distribute them to legislators and economic development professionals in your area. Every member of IFA needs to join in this effort to unmask our not-so-little secret.

We also will have the economic impact brochures available at our annual meeting in October. The folks in Region 3 have put together an outstanding program and I encourage you to take advantage of the opportunity to learn more good solid forestry "stuff" and to get better acquainted with fellow IFA members. It is only by working together that we will be able to accomplish our goals and be a strong voice for Illinois forests.

I write this with the assistance of my wife Debbie, as I lie in bed having my legs moved to and fro by a continuous passive movement (CPM) machine after having both knees replaced. Like crooked, disfigured trees, people sometimes need a little pruning. Although it hurts like the very dickens at times, I am glad to get this behind me so I can concentrate on improving my own woodlot and doing other important things like playing with my granddaughters and traveling with my wife. Debbie and I will see you in October!

Calendar of Events		
	August,	
	September,	
	October	

**August 14th
Tree Fruit Management
Program**

Location: Stockton Public Library
Contact: U of I Extension,
(815) 858-2273

**September 29
Annual Illinois Tree Farm
Meeting**

Location: Misk Tree Farm, Jo
Daviss County
Contact: Dick Pouzar, Region 1
Director

**October 5-6
IFA Annual Meeting**

Loc: Effingham-Altamont area
Contact: Roy Bailey at
(217) 821-9778

**October 12
Carol Bryant's Place**

Location: near Mt. Olive
Contact: Carol Bryant, Region 2
Director

**October 13
Regeneration of Harvest Sites**

Location: NE of Elizabeth, Illinois
Contact Dick Pouzar, Region 1
Director

For more information on events
and meetings go to:
www.ilforestry.org/events

Secretary Report

by Dave Gillespie

First I'd like to complement members of our Membership Committee and some of our Directors for contacting IFA members who have been delinquent in their dues and bringing many of them back to our organization. Second, I'd like to say welcome back and thanks to all the IFA members who recently paid their dues. We cannot be a vital organization without your participation, interest and support.

Third, as I go on the membership portion of our IFA database to record each individual's dues payment, I see in the upper left-hand corner the person's name. Under the member's name it says "Last login". Almost always after "Last login" is the word "never". This means that the member has "never" logged onto the IFA website. If the member has logged onto the website, the date of their last visit is listed there.

I strongly encourage those of you with internet access go to www.ilforestry.org and check out the website. If you don't have a computer, go to your local library, a relative, or friend with a computer. There's so much information there. You can login to your membership page (login located in the upper right of the screen) and check out your profile and make changes as necessary. You are missing a lot of the services the IFA provides by not using the website.

Dick Pouzar, the "IFA Webmaster", has done an outstanding job in making and maintaining the IFA website as the best, or at least one of the top two best, websites for a state forestry association in the country. Thanks, Dick.

Questions? Concerns? Please contact me at P.O. Box 224, Chatham, IL 62629, 217-494-6982, dandgisp@aol.com

IFA Annual Meeting

Clear your schedules now, mark the dates and join us as we gather for IFA's annual meeting in the Effingham-Altamont area on October 5-6, 2012. It seems like an eternity since the organization developed out of the IL Forestry Summit back in 2005. Here we are seven years later with much to talk about and take stock in as we forge ahead into the future.

This year's meeting will again feature a tour on Friday [5th], an evening meal and a program to get reacquainted with old friends and meet new ones in a relaxed, informal setting. Saturday will begin with our business meeting, followed by lunch and several presentations afterwards. Our lobbyist will give us an update as to what is going on in Springfield and our invited legislators will be able to comment from their perspective as well.

Friday

John Boos Industry tour.

Joe Emerich has opened his doors [rarely happens] to show us what makes his company the leading manufacturer of butcher block products in the USA. In business since 1887, Boos Blocks and Cutting Boards are the finest in quality, workmanship and design. After the tour, enjoy a beverage and some socializing at the Tuscan Hills Winery before we enjoy a catered meal. Following dinner, IFA Board Director and SIU Professor John Groninger will give us a video tour of his work in Afghanistan. Learn about some of the forestry work and social interaction Dr. Groninger has experienced from Project Afghanistan

Saturday

- am – IFA business meeting [reports, updates, awards, recognition of incoming & outgoing Board members]
- pm- Illinois Big Tree Program [Jay Hayek]
Urban & Community Forestry in IL [Emily Hansen]
Impact of Forest Products Industry on IL Economy
[Dr. Ian Munn –Mississippi State]

More information will be available on the IFA website www.ilforestry.org or by contacting Roy Bailey (217) 821-9778

Legislative Report

by Jenni and Paula Purdue & Jennifer Ross

What a difficult year! Both the House and Senate budgets caused lots of pain by cutting line items, many which have been cut in previous budgets.

The House Budget used a lower spending number and cut the education budget, and other agency budgets, much more than the Senate Budget. The Senate spent \$550 million dollars more and held the education budget at last year's levels, holding an average of a 4 percent cut from the Governor's proposed budget for all other areas. The Senate passed their budget with solely Democratic votes; the Senate Republicans did not prepare a budget or help with the Senate budget . . . they just voted No. Interestingly, the House Democrats and Republicans worked together on budgets. The parties did NOT always agree but they stayed at the table and worked fairly well together at a time when the parties at the federal level ARE NOT working together at all.

Both parties in the House and Senate worked together on pension and Medicaid reforms. At the end of the process, the House Democrats made last minute changes in pensions, which angered the House Republicans. After a loud disagreement by Rep. Cross, Speaker Madigan gave him sponsorship of the pension bill. The pension bills did not pass and will need to be dealt with this summer or in veto override. But the Medicaid cuts were supported by legislators in both parties and passed both Houses.

This session was all about trying to fix our budget crisis, while getting re-elected. Both parties worked hard to do what they thought were necessary to win in the fall. We will find out how that all plays out after the election.

There will be more seats changing this year than has occurred in many years and many new faces next session. It will be interesting to see how they handle the problems that they will face.

SB 1566 was the fee increases for IDNR. Lots of time was spent on this bill; however, forestry fees were not included. The bill passed the House with the required 3/5ths vote but not the Senate. This may be an issue for veto override session.

The gaming bill (SB 1849) passed the House with a 3/5ths vote to override a potential Governor's veto but just barely passed the Senate. If SB 1849 is signed into law by the Governor, than Amendment 5 of HB 1262, if passed, would give forestry one

million dollars. The House non-concurred to Amendments 1 and 5 of HB 1262 and the Governor not in favor of SB 1849, saying he would oppose the gaming bill. So at this time, the million dollars does not look possible.

A coalition of agricultural interests concerned about the number of downstate legislators who have tough races coming this year was formed to discuss ways to educate all legislators about the importance of agricultural issues. Dave and your lobbyists have attended several meetings to do IFA part. Dave has completed a page on forestry for a booklet to be shared with all legislators. If there are forestry events going on in your area, please let Dave know so that we can invite legislators and get pictures for your newsletter.

Watering Your Yard Trees

by Jay C. Hayek, Extension Forestry Specialist,
University of Illinois

The drought of 2012 has taken a significant toll on agricultural crops, home gardens, lawns, and yard trees across the Midwest. If this year's drought wasn't bad enough, many areas throughout Illinois, since May 17, have witnessed over 35 calendar days exceeding 90° Fahrenheit. Unfortunately, the effects of the 2012 drought and oppressive heat wave will likely be evident for years to come as severe droughts can negatively impact future tree growth, vigor, and survival.

Trees are plants, and most plants require an enormous amount of water to carry out photosynthesis—the process by which plants make food for sustained growth and function. Water deficits in higher-order plants such as trees are fairly obvious to discern: wilted leaves, stunted foliage, yellow/brown foliage, and premature leaf drop. In order to avoid or delay these common drought-related symptoms, it is often necessary to water your yard trees.

As a general rule of thumb, yard trees require approximately 10 gallons of water per caliper inch of tree diameter. The goal of supplemental watering is to provide a slow, deep soaking. Since tree roots extend well beyond the main stem of the tree, it is important to direct this slow, deep soaking to an area defined as the crown dripline: the total ground area confined beneath the entire width of the tree's canopy.

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Do you have a passion for trees and forestry?

Are you interested in serving on a regional committee?

Contact an IFA officer today to find out how you can help!

History of Conservation in Illinois

(Installment # 1)

by Dave Gillespie, IFA Secretary

Since I was a young student I have always been interested in history. Since I worked for and retired from the IL Department of Natural Resources as a forester, I have been interested in the history of conservation, and particularly forestry in Illinois. Some years ago I came across a paper written by Joseph P. Schavilje entitled "History of Conservation in Illinois." As near as I can determine, Schavilje was a forester with Division of Forestry in the old Illinois Department of Conservation in the late 1930's until 1941. The paper mentioned by Schavilje is dated September, 1941. The following is from Part I of his paper entitled "The early history of Illinois with references to fish, birds, and forests from 1673 to 1848."

The French in Illinois

The French were the first Europeans to visit the present site of Illinois. As early as 1634, Jean Nicolet discovered Lake Michigan and reached the Illinois country. (Voigt, 1918). The first European visitors to Illinois, of whom definite knowledge is available, were Louis Joliet, who represented the French Governor at Quebec, and Father Marquette, the Jesuit missionary. Together these two men explored the Mississippi and Illinois rivers in 1673. (IL Blue Book, 1903)

In describing the journey of these men, Davidson and Stuve (1884) write, "Prairies spread out before them beyond the reach of vision, covered with tall grass which undulated in the wind like waves of a sea. In further imitations of a watery expanse, the surface was studded with clumps of timber, resembling islands in whose graceful outlines could be traced peninsulas, shores and headlands.

Flowers, surpassing in their delicacy of their tints the pampered products of cultivation, were profusely sprinkled over the grassy landscape and gave their wealth of fragrance to the passing breeze. Immense herds of buffalo and deer grazed on those rich pastures, so prolific that the continued destruction of them for ages by the Indians, had failed to diminish their numbers.

For the further support of human life, the rivers swarmed with fish, great quantities of wild fruit grew in the forests and prairies, and so numerous were the waterfowl and other birds, that the heavens were frequently obscured by their flight. This favorite land,

with its profusion of vegetable and animal life, was the ideal of the Indian's Elysium. In the early French explorations, deserts were of frequent occurrence, and is it strange that men, wearied by the toils and restraints of civilized life, should abandon their leaders for the abundance and wild independence of these prairies and woodlands?"

Joutel, who was in Illinois several months during 1687 and 1688 wrote, "As to the aspect of the country, it could not be more beautiful, and I may say that the land of the Illinois River Valley is perfect. Everything necessary to life and subsistence can be obtained, for in addition to its beauty which it is adorned, it possesses fertility." (Quaife, 1918)

(To be continued in the next issue of "The IFA Newsletter")

Walnuts & Acorns

By Lee M. Rife



This summer has certainly turned out differently than, I think, anyone expected. Certainly no one has hoped for a drought like the one that almost all of us are seeing. While our woodlots may appear to be holding up, a few more weeks of this dry weather and heat will probably start to take their toll.

Disease and heat stress are being cited for many of the wildfires in Colorado, Utah and New Mexico. From what I can gather, many of the trees in the region had been attacked by insects and were either dying or were much stressed, thus, setting the stage for the disaster which occurred. Years of fuel load accumulation did not help either.

There is a lot to be said for controlled burns which will reduce the amount of dry material on the forest floor and thus, reduce the intensity of any wildfire which may occur. I think that most of us know that. It is too bad that this is not acknowledged by many members of the general public who may mistakenly equate any burning with a forest fire.

IFA Sponsors Forestry Award

Once again the Illinois Forestry Association sponsored the annual Forestry Contribution Award presented to one of their members by the Association of Illinois Soil and Water Conservation Districts (AISWCD).

On July 23, 2012 at the AISWCD's annual meeting held in Springfield, Dave Gillespie, representing the IFA, presented the Forestry Contribution Award to Dave Bishop. Bishop recently retired from the Resource Conservationist (RC) position in McLean County. While there he was responsible for the district's tree sales, Conservation Reserve Enhancement Program, Conservation Cost Share Program, Lake Bloomington and Lake Evergreen Watershed Protection programs and many other activities associated with land and water conservation issues.

In addition to his normal RC duties, Bishop organized and held numerous spring and winter tree identification workshops for students and interested landowners, and was an active member of the AISWCD's Forestry Committee. In his capacity as a member of the committee, he provided guidance and leadership to the committee in planning and serving as the contact person for workshops sponsored by the Forestry Committee. Bishop has a strong commitment to Illinois forestry and has worked tirelessly for much of his life to help strengthen and improve the forest industry.

We congratulate Dave Bishop. In addition to a plaque, he received a one-year membership in the IFA.



Dave Gillespie and Dave Bishop

Illinois Forestry Association

A non-profit, tax-exempt organization under IRS 501(c)3

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Event Update

There are several upcoming events for the northwest part of Region 1 in the next few months, and planning for several more for which we could use your input.

On August 14th, the Extension Service will hold a Tree Fruit Management Program at the Stockton, Illinois, Public Library in the evening. This will be followed by an on-farm pruning workshop in late winter - presumably February-March, 2013. This program resulted from a request by IFA member Lonnie Good back in 2011.

Celebration of Jerry and Marge Misek as 2011 Illinois Tree Farmers of the Year by the Illinois Tree Farm (ITF) Committee will occur at their farm in Jo Daviess County on September 29th. When details and registration information is available, we will post it on our website and send members an email announcement. These ITF day-long annual meetings have always had multiple activities for the whole family.

On October 13th, the Northwest Illinois Forestry Association (NIFA) will host a free tour of the Tom Arnold's Farm to discuss regeneration on several former timber harvest sites.

Late in October, NIFA will hold two days of chain saw training covering the first two segments of *The Game Of Logging*. This training was originally scheduled for August but has been deferred due to the weather and site availability.

There are a couple of additional events in planning stage. As they become available, details and directions for all events, including the ones above, will be found on the IFA website, www.ilforestry.org under "Events". Alternatively, you can contact Dick Pouzar for more information. Members who have supplied us with an email address will receive an announcement.

In May, the IFA, in partnership with three other organizations, held an excellent workshop on invasive pests and diseases

in McHenry County. Only seven people attended. Obviously, we need a better idea of what members want, so please let us know what information you are looking for. As with Lonnie, it may take over a year to find an expert speaker and schedule the event, but we need your ideas.

The IFA's Annual Meeting this year will be held in the Effingham area in east central Illinois in October. Next year, the Annual Meeting is scheduled for our region and we are beginning to plan for it, with initial consideration for the DuPage/Will/Kane county area. If you have any ideas about the program, location, or facilities, please write or email Dick Pouzar. We would like to put on an event that you won't want to miss.



Misek Family

Upcoming Event:

Friday, October 12, 2012 -- IFA members, families and friends are invited to an informal event at Carol Bryant's place near Mt. Olive. Carol applied for NRCS-EQIP cost share money for timber-stand improvement in an area dominated by 60 year-old black, white, and post oaks.

The first round of thinning of the sassafras understory has been done in some spots. Don Schmoker will conduct a pruning - thinning - culling workshop for the purpose of providing enough light for the survival of the young white oaks. Sandwiches and bottled water will be provided. More details will be provided on the website.

Past Event:

Guy Sternberg of the Starhill Forest Arboretum in Petersburg presented an inspirational program entitled "Think Like A Tree" on May 19, 2012 for the benefit of Region 2 members. Following the talk, he guided us on a tour of the grounds and introduced us to his collection of unique varieties of landscape trees. It was very interesting to see plants from the mountains, desert southwest and sandy beaches surviving and blooming in central Illinois. You may want to consider becoming a Friend of Starhill Forest Arboretum (www.starhillforest.com).

Sawdust

by J.B. Gates, IFA Past President

Terrible things have and are happening today- wildfires in the west, and violent acts throughout the world. Hot and dry in the Midwest is taking a toll on all vegetation as well as livestock. But just stop and take a stroll down by the creek bank and lean against a tall old Oak – it will help you forget a lot of the things that confront us today.

One way to help make things a little better besides the stroll would be to call your legislator and talk with her or him and let your feelings be known. Positive, as well as negative, feedback is important. The legislators need your input. We cannot change the weather, but we can have a little influence on government. Remember Election Day is just around the corner.



Region 3

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NO REPORT

IDNR Division of Forestry NEWS

by P. Deizman, IDNR Forestry

The Division of Forest Resources (DFR) continues to experience heavy demands for assistance by private landowners as District Foresters (DF) have had to handle additional counties due to staffing shortages. At the same time, the DFR has taken on additional federal forestry program responsibilities through a recently signed agreement with Illinois NRCS. District Foresters will monitor and sign-off on EQIP forestry practices across the state.

At a current field staffing level of ten, the DFR is far short of the historical 22 DFs. Retirements and the inability to fill vacancies have created problems in being able to respond to increasing workloads. However, the recent agreement with NRCS has made available some federal funding to hire four new DFs.

The DFR interviewed for the Carroll and Pike county offices during the last week of July. It is anticipated the additional interviews for the positions in the Johnson and Marion county offices will follow in early August. DFR is also planning to initiate timber sales on state forests. Updates and expansion of the IDNR Forestry website are in progress. The IFDA Administrative Rules should be amended this calendar year to increase cost-share rates and include technical specification updates as well.

A new Illinois Forest Management Plan outline was released over the winter. This incorporates standards and specifications from all Illinois forestry program requirements and creates a standardized format for all Illinois forestry plans.

The DFR continues to promote the CallB4UCut initiative to connect farmers and forest landowners with timber sale planning information and the Illinois Directory of Professional Forestry Consultants.

Region 4

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The May 8 Storm Revisited

By John Groninger and Eric Holzmueller,
Department of Forestry, Southern Illinois
University

This summer, "Derecho" became a familiar term across the country as heavily populated parts of the East learned first-hand about this more typically Midwestern weather phenomenon. In southern Illinois forests, we have been dealing with the aftermath of our most recent "inland hurricane." Three years ago, the May 8, 2009 storm and its combination of straight-line and tornadic winds cut a swath across the mostly mature forests of our region. Today, many of us are still cleaning up the damage in our forests.

On the positive side, we won't need to worry about firewood for years to come. While the immediate impacts of the storm were clear, an equally important question concerns the storm's legacy in our forests, or how will the forest regrowth respond? A recently published paper in the international research journal *Forest Ecology and Management* written by Eric Holzmueller and David Gibson, professors from Southern Illinois University and Paul Suchecki, a high school teacher from Johnston City, documents what happened in one stand. It also provides some valuable lessons regarding past land management practices and the future of many Illinois forests.

The research was conducted at the Larue Pine Hills Natural Area on the Mississippi River Bluffs in Union County. Prior to the derecho, the overstory was dominated by white, red and black oaks, sugar maples, and yellow-poplar. Roughly 30 percent of the red and black oaks were felled by the storm. In contrast, the sugar maples were untouched and are now in a position to use the space vacated by fallen oaks. More concerning still, a survey of sapling and seedling size classes found black oak, but no red or white oak.

Although the forest in this study has been managed as a natural area for several decades, lessons to private landowners are clear. The undergrowth is now dominated by maples that will take over the canopy once large oaks have been removed, whether from wind or logging. Had this storm occurred in the middle part of last century, the results may have been very different. Then, oak forests were more open. Those conditions and a history of recent fire and some grazing would have allowed oaks to dominate the small tree size classes presently occupied by maple. In the past, more of the fallen large oaks would have been replaced by these smaller oaks.

Private landowners in the area are finding that the derecho has had a very similar effect on their forest as reported at Larue Pine Hills. In the year after the storm, loggers were overwhelmed with work. They focused on harvesting fallen oaks, as well as valuable standing timber, while providing low returns to landowners. Also, since logging was not anticipated, nothing has been done to prepare the site for the emergence of maples and other shade tolerant trees. It's nothing that can't be fixed with some hard work but it would have been much easier to prepare the forest for surprise events like the next derecho. To quote a wise old forester, "the time to start thinking about oak regeneration was twenty years ago." So, if you are thinking about opening up your forest and removing trees you don't want to dominate the next stand, you might not want to wait until the next windstorm to start the process for you. That is unless you don't mind climbing through the crowns of your fallen oaks to do the work.

New YouTube Videos

NRCS has just completed two videos –The Understory Story and Know Your Dirt. Both videos feature NRCS' employees: Wade Conn, Forester, and Roger Windhorn, Soil Scientist. They will entertain you as they discuss the importance of forest management and soil on the farm and in your backyard. Both videos will soon be located on the NRCS website. For a direct link go to:
<http://youtube.com/user/ILNRCS>

The NRCS forest management video is included in our website's video library as well at www.ilforestry.org/videos

COMPROMISES

by Dick Pouzar, IFA Director

While we live near the Mississippi River flyway, habitat to hundreds of species of birds, our land is dry and upland with fewer species. Yet, we have our gems. Woodcocks visit with their incredibly audible and acrobatic mating flights. Woodpeckers - downy, hairy, red-bellied abound and even pileated is present. But my favorite, the brown thrasher, has multiplied here and its needs cause a dilemma.



The brown thrasher is an amazing creature for its song. Its Mimidae family members - mockingbirds and catbirds - mimic other bird songs and sounds; but the thrasher borrows and re-arranges parts of song into a performance lasting over an hour, without repeating itself. Some estimate that its repertoire consists of up to 3,000 unique phrases; each song is different than the last. It's secretive, heard more than seen. Its song while I'm working in the woods is superior to any iPod recording.

The thrasher has other admirable characteristics. It is aggressive toward nest predators, attacking snake and mammal alike, even humans. While it sings loudly during courtship, it whispers its song to its mate in their nest. And when glimpsed, it has lively reddish-brown back and bright yellow eyes. Its preferred habitat is the problem.

It prefers to nest in thorny shrubs. It loves multiflora rose and autumn olive and wild plum for the protective value of their thorns against nest predators. There's the dilemma. In managing for both timber and wildlife, I want to eliminate invasives yet preserve habitat for this unique bird. My solution is to kill the multiflora and autumn olive and leave stands of the native wild plum - even though the plum also spreads, in deference to the thrasher's needs.

This is the type of compromise we often face when managing for more than one objective. And forests provide so many benefits - timber, wildlife, fruit, privacy, scenery, quiet, colors, clean air, space - that managing for multiple purposes is almost a given. Conservationist and forester Aldo Leopold described his compromise philosophy, "...A good farm must be one where the wild fauna and flora has lost acreage without losing existence."

In balancing these compromises especially about wildlife and bird habitat, we make better decisions because of decades of

research at Cornell and other universities and by Audubon and like organizations. The knowledge that they have gained and shared allows us to adjust our actions to reach our objectives.

Similar to managing land for multiple purposes, the IFA board continually tries to achieve multiple objectives with limited resources. We are managing for laws and training and support that are best for you, as well as public relations and communication within the forestry community. In all of this, we want to represent your interests, provide you information, and answer your question using our limited resources.

As IFA volunteers, we get great satisfaction in delivering products that can help and advise you on what might work. We offer events, newsletter articles, information via website and email, and soon hope to provide regular webinars. We have some idea what you NEED to know; but have little idea of what you WANT to know. No Cornell has studied you.

That's why we sometimes ask for feedback, send surveys, welcome your comments, and provide places for you to say your peace. We thank those that have freely offered their opinions, comments, and advice. It is extremely helpful. We hope you will take a few moments the next time we ask for your input. Your opinions will help us make those difficult compromises.

This is not to compare you to a brown thrasher. It is an innovative singer, a fierce defender of its nest and territory, colorful, and a romantic mate. As for your singing, well . . .

Watering *Continued from page 3*

Using a common garden hose without a nozzle, calibrate your outdoor spigot's water pressure to deliver 10 gallons of water over a period of 5 minutes in order to provide a slow, deep soaking. For example, your 30-ft tall swamp white oak yard tree with a stem diameter of eight inches will require approximately 80 gallons of water distributed evenly across the dripline radius of the tree—this watering process should take roughly 40 minutes.

This supplemental watering regime should be completed every 7-10 days during periods of insufficient precipitation. Please abide by all local ordinances and emergency water restrictions.

Plight of the Pollinator What can YOU do!



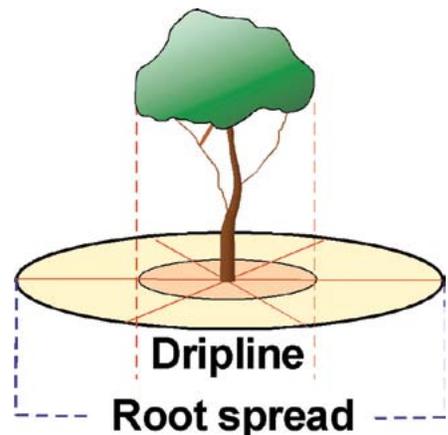
Pollinators perform a service crucial for human survival.

Agricultural, forested, and other natural ecosystems of Illinois and the world rely on the work of pollinating animals, mostly bees, but also other insects like butterflies, beetles and flies, and birds and bats, that transport pollen from flower to flower. Pollinators are attracted to a variety of blooming flowers on forbs, shrubs, and trees, and may visit multiple species for nectar and pollen throughout the growing season.

However, our pollinators are increasingly being threatened and there are many factors in this decline. When planning your woodland management, consider the effects on the pollinator. When addressing invasive species and harmful insect, the use of pesticides can be harmful to pollinators as well. Use great caution not only for your protection but also for the little creatures out there providing all of us the beauty of flowers and food on our plate. Woodland plants can be beneficial to pollinators, the native shrubs and trees (redbuds, willows) provide needed early nectar for the pollinators, especially bees.

NRCS in Illinois is currently working on a campaign to join forces with other groups and organizations to increase awareness and educate the public on the urgency of this plight of the pollinators. This web link <http://nac.unl.edu/agroforestrynotes.htm> takes you to the National Agroforestry Center where you can find Technical Notes addressing forest management and pollinators.

Please be conscious of your actions. Can you imagine a world without a Monarch Butterfly?



Forestry and Forest Products are Important to the Illinois Economy

By James E. Henderson and Ian A. Munn

Forest resources are a major component of Illinois' economy. Timberland accounts for 13.4 percent of the state's total land area, covering over 4.78 million acres. Capitalizing on this resource makes an important contribution to Illinois' economy. A recent study, based on 2010 data, found that the economic impact of the forestry and the forest products industry is \$23.1 billion industry generating 131,549 full- or part-time jobs for Illinois. Forestry and forest products also generate over \$2.49 billion in tax revenue (\$1.6 billion Federal and \$871 million for state and local governments).

The combined economic contribution of forestry and forest products starts with the value created by its six primary sectors. These include the four main sectors of logging, solid wood products, pulp and paper, and wood furniture manufacturing, and two related sectors, urban forestry and miscellaneous forest products. The combined economic activity generated by these forestry and forest products sectors and their economic contribution is measured using a technique called input-output analysis. This technique was developed by economist Wasly Leontief, for which he received the Noble Prize in

economics. This method was used to quantify the economic contribution of the Illinois' forestry and forest products industry to the state economy. This technique starts with a model of Illinois' economy represented by 440 sectors that accounts for the purchases of goods and services between all sectors of the economy and also accounts for household spending. Input-output analysis allows for a better assessment of an industry's total importance to the rest of the economy. This method was used to quantify the economic contribution of forestry and forest products to the Illinois economy and to estimate the tax revenue generated for federal, state, and local governments.

Forest products industry impact Illinois' economy in three ways. First, the industry impacts the state economy directly through its own employment, wages, production, and value-added. Second, there is an indirect effect resulting from the industry's purchase of goods and services from supporting industries located in the state, resulting in increased employment, wages, production, and value-added in these supporting industries to meet the demands of the forest products industry. Finally, there is an induced effect, resulting from purchases of consumer

goods and services by employee households associated with both the forest products industry and its supporting industries. The impact of the forest products industry on Illinois' economy is measured by four key statistics: employment - the number of full- and part-time jobs in the industry; employee compensation - the wages paid by the industry; output - the industry's total value of production; and value-added - total industry output minus the costs of purchased inputs. Value-added represents the amount of money available for disbursement, either in the form of wages, owner compensation, or taxes.

The combined forestry and forest products industry, before accounting for indirect and induced effects, accounted for 36,309 jobs in 2010, roughly 0.5 percent of the state's total employment of 7,264,332. The industry paid out over \$2.8 billion in wages with an average annual wage was \$77,715. Value-added generated by the industry totaled over \$3.0 billion with a total industry output of \$9.7 billion. Each sector of the forest products industry made substantial contributions to the state economy, both in its own direct generation and in terms of total impacts (i.e. direct, indirect and induced).

Table 1. The direct and total impacts for Illinois' six forestry and forest products sectors and for the combined forestry and forest products industry indicating impact type, employment and, in millions of dollars, the value of wages and salaries, total industry output, and value-added.

Sectors	Impact Type	Employment	Wages and Salaries (\$MM)	Total Industry Output (\$MM)	Value-Added (\$MM)
Miscellaneous Forest Products	Direct	468	12.29	45.17	22.07
	Total	965	38.49	110.85	63.57
Urban Forestry	Direct	2,696	178.43	98.75	74.79
	Total	5,214	208.96	521.53	316.87
Logging	Direct	662	16.18	51.49	16.98
	Total	1,190	45.35	122.10	61.68
Solid Wood Products	Direct	6,765	367.78	1,021.35	376.27
	Total	18,316	917.40	2,592.58	1,376.33
Pulp and Paper	Direct	18,645	1,922.50	7,466.73	1,992.34
	Total	90,425	5,381.30	17,602.36	8,350.82
Wood Furniture	Direct	7,072	428.24	1,025.17	433.40
	Total	20,267	1,052.29	2,829.48	1,581.08
FOREST PRODUCTS INDUSTRY	Direct	36,309	2,821.79	9,708.66	3,019.50
	Total	131,549	8,104.60	23,087.32	11,484.24

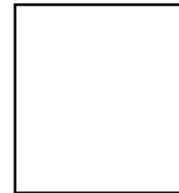
Summing the impacts of the individual forest-related sectors overestimates the impacts of the forest products industry. Considered separately, each sector has indirect and induced impacts on the other forest-related sectors. However, when all forest-related sectors are considered as a group, these impacts are internal and allows for an estimation of the true impact of the forest products industry on the state

economy. In 2010, the combined impact of all sectors of the forest products industry on Illinois' economy was dramatic. Forestry related employment (i.e. direct, indirect, and induced) accounted for 1.8 percent of all jobs in Illinois. In Illinois, total industry output related to the forest products industry exceeded \$23.08 billion and related value-added was over \$11.4 billion. Related employment totaled 131,549 full- or part-

time jobs with an associated annual payroll of \$8.10 billion. Illinois' forest products industry generated over \$2.49 billion in tax revenue in 2010. Federal government, non-defense, taxes exceeded \$1.6 billion. State and local government, non-education, taxes totaled over \$871 million.

Clearly, Illinois' forest resources are very important to the state's economy.

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IFA - To act on issues that impact rural and community forests and to promote forestry in Illinois
