July Is Fair Month—Volunteer for MCMGA

Opportunities are abundant to earn volunteer hours at the Monroe County Fair this year. Monroe County Master Gardeners play a vital role in the garden and flower entries located in the Community Building at the Monroe County Fair. Listed below are the times, jobs available and contact person responsible for each area. Please check your schedule and give them a call or e-mail today!

Fruits, Vegetables, Herbs
Contact person is Larime Wilson 333-9705 or larime@bloomington.in.us
Friday, July 22nd - Set up 10 am - Noon
Saturday, July 23rd - Check-in 12:30 - 3 p.m.
Saturday, July 23rd - Judging help 3 p.m. until complete
Sunday, July 31st - Check-Out 1 - 3 p.m.

Potted Plants and Cut Flowers
Contact person is Dianna Young 339-0040 or hoyoung@indiana.edu or Esther Minnick at 876-4523
Monday, July 25th - Check-in 8:30 - 11:30 a.m.
Monday, July 25th - Judging Help - Noon until complete
Sunday, July 31st - Check-Out Noon - 3 p.m.

Master Gardener Information Booth
We’ll have a table located in the flower/vegetable display area. The table will have information bulletins and resource materials so that we can answer simple questions from the public. Anything that we can’t answer can be noted for follow-up after some research when the fair is over. We’ll also have sign-up information to tell others about our Master Gardener Association and how they can sign up to take the next class. Contact person is Barbara Baynes 876-2354 or baynesfarm@aol.com

Booth Sign-up Daily Tuesday, July 26th thru Friday, July 27th 2 pm - 8 p.m. We’ll schedule in 3 hour shifts. 2 - 5 p.m. and 5 - 8 p.m. unless something will work better for you. I’m pretty flexible.

Our Demonstration Garden by Lydia Anderson
Need volunteer hours? There’s lots of work to do at the demonstration garden before the fair which begins on July 23. Those who have been volunteering out there have done an outstanding job in a very short time, and I appreciate all of their hard work, but we are running out of time. Weeding is the highest priority, especially the pathways and the north and west ends of the garden. Along the fence row and behind the garden could really use continued on page 2
Our Demonstration Garden continued from page 1

some trimming if there is someone who is handy with a weed whacker. The hosta garden is up for adoption, and I need someone to evaluate the sign posts and replace the ones that are rotten.

Need directions? The garden entrance is located on the west end of the fairgrounds across from Bunger Rd. I will be out at the garden on Saturday mornings, and Joanna Howe is usually there on Tuesday nights. Be sure to bring your tools.

If you aren’t able to work out at the garden but would like to contribute, I am looking for informational articles to post in the garden. They can be as simple as a gardening tip that will fit on a 4 x 6 card or a full page article. I plan on writing information on water conservation, mulch, dead heading, and beneficial insects. Some other ideas are the benefits of raised beds, pruning, when/how to cut back ornamental grasses and butterfly bushes, composting, and deer and rabbit damage prevention. If you are interested, please email me at landers@wormsway.com. All ideas are welcome.

MCMGA Meeting at Fairgrounds on July 19

By Nancy White

The July Master Gardener meeting will continue an annual tradition when we meet at 6:30 p.m. on Tuesday, July 19, at the Monroe County Fair Grounds at the Master Gardeners’ Demonstration Garden. The garden is located on the southwest corner of the fairgrounds close to the west entry.

This meeting is a work session to complete the garden for its debut during the Monroe County Fair on July 23-30. We need help from all Master Gardeners so come dressed for work and bring your hand tools, rakes, clippers, and buckets or wheelbarrows for mulch spreading. This is a great time for our new interns to meet other Master Gardeners and to learn about our Demonstration Garden. Coordinators for the Garden are Lydia Anderson and Joyce Peden, who can use helpers anytime this summer, especially before Fair time. Call Lydia at 825-2961 or email her at landers@wormsway to volunteer. Come on July 19 and stay as long as you can. And remember, work in the Demonstration Garden can be used for volunteer hours.

Mark your calendars for the following dates:

Tuesday, September 27* — Garden Journaling with Cathy Meyer and Rose Care and Propagation

Tuesday, November 29 — Holiday Party & Carry-in Dinner and presentation, Holiday Gifts in Baskets, Jars, and Spoons, by Sue Berg

Tuesday, January 24* — Trees and Reviews of Gardening Books

All programs begin at 6:30 p.m. *education hours available

Time Is Running Out for Class of 2004

By Joanna Howe

ATTENTION CLASS OF 2004... You have only until the end of this month (July 31, 2005) to complete your 35 (or more) volunteer hours to be able to receive the $50.00 rebate on your class fees. Fair week is the PRIME TIME to accumulate hours as the MCMGA is involved in several activities before and during the fair. Those activities include preparing and maintaining the demonstration garden; set up, take-in, and staffing the open class vegetable and flower displays; and the Master Gardener information booth. Read this newsletter carefully for any other opportunities that I am not aware of at this writing. Please be aware of the fact that volunteer hours done after July 31st will gladly be accepted and will count toward your certification; you will only forfeit the rebate. Please turn in any hours you have as soon as possible!

Japanese Beetles Are Here

By Larry Caplan, Purdue University

Japanese beetles have made their appearance in southern Indiana. Controlling these pests early will help protect your crops and landscape plants.

Japanese beetles have been reported in several gardens in and around Vanderburgh County. So far, the outbreak isn't very large, but this is the early period for the summer-long emergence. In case you are brand-new to the midwest, Japanese beetles are about half an inch long, and a shiny metallic green and bronze in color. They feed on over 350 species of plant. They have a very characteristic feeding pattern called "skeletonization," where they eat all the green tissue and leave the veins alone. They are particularly attracted to fruit trees (especially cherry and plum), linden trees, grapes, and roses.

I regret to inform you that there is STILL no repellent that will keep these beetles off your plant. Research by Purdue has shown that the soil-applied insecticide imidacloprid (Merit, Bayer Advanced Tree & Shrub Insect Control) will give you season-long control of this pest, without the need for constant re-spraying. This product is ONLY labeled for ornamentals; it cannot be used on edible crops. It is applied as a soil drench around the plants. Please read and follow all label directions.

Home Gardeners can also spray acephate (Orthene), carbaryl (Sevin), cyfluthrin (Bayer Lawn and Garden), malathion, or permethrin (Spectracide Bug Stop). These products will need to be re-applied every 7 to 10 days; again, check the labels.
Hamilton County Master Gardeners present **Knowledge to Grow**, Advanced Master Gardener Training, a gardening seminar to inspire, educate, and promote gardening fun and knowledge, on **Saturday, August 13, 2005** at Hamilton County 4-H Fairgrounds Exhibition Hall “B”, 2003 E. Pleasant Street, Noblesville, IN. Registration begins at 8:30 a.m.; speakers begin at 9:00 a.m.

The $35.00 fee includes continental breakfast, a great lunch, and tons of gardening knowledge and inspiration that you can use in your own gardens from well-known gardening experts. The seminar provides five educational hours.

**Program**

Gene Bush *10 Months of Bloom in the Shade Garden*

Jeff Maddox *Rain Gardens*

Hilary Cox *Underused Plants for Overworked Gardeners*

Carolee Snyder *Herbs in the Garden*

Dawn Stelts *Natives for Birds and Butterflies*

Registration must be received by July 31, 2005!

Call (317) 776-0854 or visit our website, [www.hcmga.org](http://www.hcmga.org) for more info!

**PLEASE RESERVE A PLACE FOR ME (US)!**

NAME(S)______________________________________________________________

ADDRESS____________________________________________________________

PHONE___________________________

AMOUNT ENCLOSED__________ ($35 Per Reservation)

MAKE CHECK PAYABLE TO HCMGA

**Mail completed form & check to:**

E. Roark, 917 East 199th St., Westfield IN 46074

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**2006 National Master Gardeners Conference by Peggy Sellers**

Mark your calendars now for the 2006 National MG Coordinators conference. Illinois and Purdue will be jointly sponsoring this international event which will bring state and local coordinators from all over the country to Illinois (and hopefully a few countries). The conference will be held June 28- July 1st at the Lisle Naperville Hilton.

A tentative agenda includes:

June 28- pre-conference tours and welcome party

June 29 and 30- talks and panel discussions on volunteer management, program ideas, program management, and share fair

July 1- post-conference tour

We are in need of a logo for our International MG Coordinators Conference. Our slogan is "Roots of the Past...Ideas for the Future". **If your logo is selected, you will receive a free conference registration!** Please send your logo ideas by July 22 to Dr. Peggy Sellers, Dept of Horticulture and Landscape Architecture, 625 Agriculture Mall Drive, West Lafayette IN 47907-2010
**Herbaceous Perennials for Shade** is an innovative, interactive online program developed with Allan Armitage, one of the world’s foremost gardening experts on perennials for all growing zones. The program features in-depth information for more than 100 outstanding herbaceous perennials belonging to 20 genera that can tolerate or require partial shade to thrive and produce beautiful plants and flowers. It teaches you how to make informed decisions that will help you design, select and grow shade-loving perennials in your garden.

**An interactive, online program** teaches you to identify the plant family, genus, species, variety and cultivar. You will also learn how to identify growing conditions and propagation types as well as interesting facts about each plant, its history and more. Participants complete online learning activities that help practice what they learn and then apply it in their own gardens.

**Print and electronic resources support learning objectives.** Armitage’s excellent reference book, *Herbaceous Perennial Plants: A Treatise on Their Identification, Culture, and Garden Attributes* (2nd Edition) is required (and included in registration) for participating in the program and is a wonderful addition to any gardener’s library. Once you’ve completed the *Herbaceous Perennials for Shade*, we encourage continuing with the *Herbaceous Perennials for Sun* because almost everyone’s garden has sunny and shady areas that are ideal for planting. The program teaches you about nearly 100 of the most desirable herbaceous perennials belonging to 24 genera that prefer more than 6 hours of sunlight per day.

**Summary of Herbaceous Perennials for Shade Online Program**
The program fee is $125.00. The following benefits are included:

- *Herbaceous Perennial Plants: A Treatise on their Identification, Culture, and Garden Attributes*, 2nd ed. by Allan M. Armitage (1141 pages)
- Access to the interactive, online program August 10, 2005 - January 10, 2006.
- Access to a community of gardeners and gardening experts through the Gardening Institute’s online discussion board.
- One-year subscription to the AHS’ magazine, The American Gardener.
- One-year AHS membership.
- Horticulture Gardening Institute’s bi-monthly electronic newsletter.
- Purdue Master Gardeners will receive 20 educational hours for completion of program.

Herbaceous Perennials for Sun Online Program will be available beginning January 11, 2006.

**Register now for both programs and save --only $175 for both!**

*No refunds for Shade online program after August 1, 2005.*

*No refunds for Sun online program after December 15, 2005.*

See registration form on page 5.

**The Art and Science of the SmartGarden Available Online**

Register now for an exciting interactive online program that will be available to you from June 1, 2005 through June 1, 2006. The SmartGarden program is a self-paced, interactive web-based program developed in partnership with the Horticulture Gardening Institute and the American Horticultural Society. Throughout the program, you will complete self-assessments and activities that help you practice good stewardship of the earth. You will learn how to select plants that are compatible for your growing conditions, reassess your gardening practices, and measure every gardening decision against its environmental impact. See the June issue of *Roots and Shoots* for registration information.
Participants must have a valid e-mail account and access to the internet.

Registration Deadline: August 1, 2005

Name: ____________________________________________________________
Address: _________________________________________________________________________
City: _____________________________________ State: __________ Zip: ________________
Email: _________________________________________________________________________
Daytime Phone:_________________ - ________________________________
Are you a Master Gardener? ____ No ____ Yes ______ (county)_________________________

I am registering for (circle one):
♦ $125 Perennials for Shade Only
♦ $175 Perennials for Shade and Pre-Registering for Perennials for Sun

Make checks payable to Purdue University.

Payment method: check or (circle one)     MO       Mastercard       Visa       Discover
Card Number: ________________________________________________________________
Exp. Date: ________________________
Cardholder’s Name: ___________________________________________________________
Signature: ___________________________________________________________________

Please complete one form for each participant and return it along with your payment to

Dr. Peggy Sellers  
Dept of Horticulture and Landscape Architecture  
625 Agriculture Mall Drive  
West Lafayette IN 47907-2010

Gardening for People of All Abilities by Helen Hollingsworth

On a recent visit to the Chicago Botanic Garden, I was pleased to visit a section called the Buehler Enabling Garden. This garden was especially designed to showcase ways for those with disabilities to enjoy gardening. For example, one bed contained plants to appeal to the senses. Other beds were raised and integrated with hanging baskets, vertical wall gardens, and tall containers to help make gardening more accessible.

Shallow pan garden beds built above the ground provided legroom for gardeners who sit while gardening, and raised pools and a water wall brought the sensory qualities of water within easy reach. A raised lawn was built up to sitting height to make it easy for anyone to enjoy sitting on the lawn. A tactile bed provided a metal grid running across the garden to enable people who garden by touch.

A small, staffed outbuilding displayed gardening tools, adapted for special uses, for sale to visitors. Tools that are often used with two hands, such as shovels, forks, and trowels, sported a gripper and a strap to enable their use with just one hand. In addition, handouts with suggestions for adaptations were free for the taking. Other gardening suggestions included making use of tall containers to elevate soil to a comfortable working height, planting dwarf or slow-growing trees or shrubs which require less maintenance, and replacing knobs on gates, doors, and water faucets with levers which are easier to operate.
Ladies: Come and Join the Fun!

Do you love the outdoors but can’t find the time to enjoy it? Are you tired of your typical Saturday…errands, laundry, kids, cleaning, chores…the same old rut? **Have we got the perfect escape for you!**

Here’s your chance to rekindle old outdoor interests or learn new ones. You don’t have to be in tip-top shape or handy with an axe. This is simply your chance to spread your wings and try something new in a beautiful outdoor environment. Join us at the Women in the Outdoors event on Saturday, August 27, 2005, at West Boggs Park in Loogootee, IN. The event is hosted by the Daviess Co. Longbeards Chapter of the National Wild Turkey Federation.

Through this event, women from all walks of life will be given the chance to experience the thrill of outdoor activities such as outdoor cooking, archery, personal safety, attracting wildlife to your backyard, camping and many more. It will also allow women to develop a greater understanding of wildlife conservation and meet others who share their enthusiasm.

The events are held across the country with experts on hand to teach in a noncompetitive manner. The combination of sponsorship and local chapter support allows the NWTF to offer these programs at a low cost to participants. The cost for the entire day’s activities is $50.00 or only $40.00 for the early bird registration if received prior to August 15th; bring a friend and each of you will receive an additional discount of $5. The registration fee includes your choice of classes, lunch, equipment use and supplies, a membership in Women in the Outdoors program and a subscription to *Women in the Outdoors* magazine, the Federation’s full-color, quarterly publication with articles and information on a variety of outdoor adventure and activities.

The Women in the Outdoors program’s mission is to provide hands-on, educational outdoor opportunities for women. The program is now in its eighth year, and there are nearly 43,000 members. “The Women in the Outdoors program allows the National Wild Turkey Federation to reach an entirely new audience, one that has been overlooked in the past for outdoor sports and conservation,” said Rob Keck, NWTF CEO.

For more information, contact Susan Harrawood at (812) 295-3421 or e-mail susan@westboggs.com, e-mail Cindy Spillman, Women’s Regional Coordinator, at cswito@shawneelink.net, call 1-800-THE-NWTF or visit the NWTF web site at www.womenintheoutdoors.org.

A Gardening Mystery by Helen Hollingsworth

Several years ago a neighbor gave me a mystery plant, a flowering perennial, which was lovely but unnamed, since he could not remember its name or how he acquired it. At the time I was looking for a four or five feet tall perennial to fill a spot in a fenced corner near a gate, and this plant, especially since it was blue and airy, really filled the bill. It grew as well in my garden as in his, and I was pleased but mystified as to what this plant was. I searched gardening books for its name but could not find it. No one I asked seemed to know.

Then last week while visiting a friend, I spotted my mystery perennial and was astounded to learn it was purple loosestrife (*lythrum salicaria*)!

Purple loosestrife is a highly invasive, aggressive plant not for sale in Indiana. In my garden it was surrounded with landscape cloth, installed to cut down on weeding, so I didn’t see the aggressive side of its personality. Some purple loosestrife is said to be sterile and not invasive, but this information may not be reliable.

**Invasive Plants: Weeds of the Global Garden**, published by Brooklyn Botanic Garden, reports that purple loosestrife has spread through the temperate parts of North America and is expanding its range. Extensive, permanent stands replace vegetation, threaten rare and endangered plant species, and reduce the availability of food and wildlife. It has been declared a noxious weed in many states and provinces, where its sale and growth are prohibited.

As much as I had enjoyed my plant, I would never have accepted it had I known its name.

I quickly went shopping and selected a replacement, a bluebird hydrangea, blue and airy, to fill the spot once occupied by the mystery plant.
<table>
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<th>Location</th>
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<tr>
<td>Hilltop Garden &amp; Nature Center</td>
<td>year around</td>
<td>various</td>
<td>Marcia Figueiredo, 855-2799</td>
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<td>Templeton Garden Project</td>
<td>spring/fall</td>
<td>teaching children</td>
<td>Nancy White, 824-4426</td>
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<tr>
<td>MG Demonstration Garden</td>
<td>seasonal</td>
<td>various</td>
<td>Lydia Anderson, 825-2961, <a href="mailto:landers@wormsway.com">landers@wormsway.com</a></td>
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<td>T. C. Steele SHS</td>
<td>seasonal</td>
<td>various</td>
<td>Steve Doty, 988-2785</td>
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<td>Cheryl’s Garden</td>
<td>seasonal</td>
<td>various</td>
<td>Larime Wilson, 339-9705</td>
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<td>Flatwoods Park Butterly Gardens</td>
<td>seasonal</td>
<td>various</td>
<td>Cathy Meyer</td>
</tr>
<tr>
<td>MCMGA Horticulture Hotline</td>
<td>year around</td>
<td>inquiries and research</td>
<td>Dan Baugh, 349-2575</td>
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<td>MCMGA Speakers Bureau</td>
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<td>various</td>
<td>Dan Baugh, 349-2575</td>
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<td>MCMGA Leadership Project</td>
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<td>Mary Jane Hall, 345-3985</td>
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<td>Monroe County Fair</td>
<td>July</td>
<td>various</td>
<td>Barb Baynes, 876-2354 or Esther Minnick, 876-4523</td>
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<td>MCMGA Newsletter</td>
<td>year around</td>
<td>writing, stapling, labeling</td>
<td>Helen Hollingsworth, 332-7313</td>
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<td>MCMGA Web Site</td>
<td>year around</td>
<td>various</td>
<td>Barb Hays, 332-4032</td>
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<td>Indiana State Fair Booth</td>
<td>August</td>
<td>education</td>
<td>Preston Gwinn, 837-9554</td>
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<td>MG Program Committee Member</td>
<td>year around</td>
<td>plan MG programs</td>
<td>Ann McEndarfer, 334-1801</td>
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<tr>
<td>Middle Way House</td>
<td>seasonal</td>
<td>various</td>
<td>Clara Wilson, 333-7404</td>
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<tr>
<td>Wylie House</td>
<td>year around</td>
<td>various</td>
<td>Sherry Brunoehler, 353-3065</td>
</tr>
<tr>
<td>Bloomington Hospitality House</td>
<td>bi-weekly</td>
<td>educate seniors</td>
<td>Rene Thompson, 353-3065</td>
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<tr>
<td>Mother Hubbard’s Cupboard</td>
<td>year around</td>
<td>education, resource</td>
<td>Libby Yarnell, 355-6843</td>
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<tr>
<td>Clear Creek School</td>
<td>spring/on-going</td>
<td>identification, education</td>
<td>Charlie Hawk, 824-7969</td>
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<tr>
<td>Bloomington Meadows</td>
<td>2005 summer</td>
<td>direct garden project</td>
<td>Kiley Caughell, 331-8000, ext. 2482</td>
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Dry summers are not that unusual in the Midwest. Gardeners really have a battle to maintain healthy plants when extreme high temperatures are accompanied by lack of rain. During prolonged drought conditions, water restrictions may require gardeners to limit watering and prioritize which plants will be rescued.

Newly planted trees, shrubs, flowers, and vegetables will be at most risk of drought injury. Most gardeners are accustomed to watering flower beds and vegetable gardens on a regular basis. These plants require approximately 1 to 1 1/2 inches of water per week to maintain optimum flowers, foliage, roots, and fruits. In times of drought, established plants may tolerate 10-14 days between waterings but be aware that problems such as fruit cracking and blossom end-rot will increase. Watering is most critical at pollination and fruit set time for most vegetable crops. Use a mulch where possible to conserve what moisture there is.

The best way to apply the water is by thoroughly soaking the soil with the prescribed amount of water in one application. This deep watering will encourage deeper root growth which in turn will be better able to withstand the drought. Frequent shallow watering encourages shallow roots which are more likely to succumb to heat and drying of the top soil. Sandy soil and containerized plants will need more frequent irrigation.

The amount of time it takes to apply the proper amount of water depends on how much water pressure you have, the amount of space you need to cover, air temperature, and wind speed. You'll need about 50 gallons of water to apply 1 inch of water to a 100 square foot area.

Leaf scorch on trees and shrubs is very common in most dry summers, appearing as a browning along the edges of the leaves. While minor cases of leaf scorch are not terribly harmful to the plant, prolonged lack of moisture can spell disaster for landscape plants. Young and newly established plants are most susceptible to the dry conditions but even established plants may reach a critical point during prolonged drought. Branch dieback combined with eventual root death will make plants more susceptible to winter injury. Plants which were already under stress from other factors may succumb to severely dry soils.

Keep in mind that next year's growth will be determined by buds that form this summer and early fall. Flower buds for many spring flowering and fruiting plants will also be developing during this time. So even if your plants aren't showing any symptoms now, the damage may become apparent next season.

Watering of landscape and fruit plants should be aimed at where the roots naturally occur. While these woody plants do have some roots that grow very deep, most of the feeder roots that are responsible for water uptake occur in the top 12-18 inches of soil. Most of these feeder roots are concentrated below the dripline of the plant and beyond, not up close to the trunk. Allow water to thoroughly soak the target area by applying water at a slow enough rate to allow penetration rather than wasting water by runoff. Don't apply the water any faster than 1 inch per hour. As with annual plants, a mulch will help prevent moisture loss due to evaporation.

While many homeowners regularly water their lawns to keep them green throughout the summer, others prefer to allow the cool-season bluegrass to become dormant in the summer by withholding irrigation. In "normal" years, this strategy works just fine. Dormant bluegrass plants can generally last about 4-6 weeks without water. But during severe drought, dormant lawns may begin to die if some water is not applied. To avoid grass plant death while minimizing water usage, apply 1/2 - 3/4" of water every 2-3 weeks. The grass will not green-up, but the crowns will stay alive, so that green-up can occur with the return of natural precipitation and more favorable temperatures.

The ideal time to water is during the early morning hours ending by 8:00 am. This makes maximum use of water while allowing foliage to dry. Watering during midday when temperatures are high, sunshine is strong, and winds are brisk wastes substantial water. Watering in the evening is convenient for many and watering at night may coincide with lower water use demand, but can make plants more susceptible to disease infection by providing the moisture that fungi and bacteria need to grow. Of course many communities impose restrictions on water use during times of drought and so ideal watering practices...
In Times of Drought continued from page 8

may not be possible. If your community is under restricted water use, it is certainly better to water when per-
mitted than not water at all.

Household gray water, such as that leftover from the bath or washing dishes can be used within limits if fresh 
water is not available. Gray water does have a high level of salts from detergents which can eventually build 
up to a harmful level in the soil. If the water came from a water softener, it has a particularly high level of so-
dium which over time, can cause soils to tighten and become impervious to water. Use gray water only as a 
last resort and use it as sparingly as possible to avoid salt build up. Never use gray water on edible crops or 
on containerized plants. Use the bypass on your water softener, if possible, when watering any plants.

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Monroe County Master Gardener Association, Inc.
Cooperative Extension Service
Health Building
119 West Seventh Street
Bloomington, IN 47404

MCMGA Meeting at Fairgrounds on July 19

2005 MCMGA Executive Board

President Office Team: Mary Jane Hall
   Mary Jane: 824-2762 gardenz4ever@hotmail.com

Vice President Office Team: Ann McEndarfer, Nancy White
   Ann: 334-1801 amcendar@truman.edu
   Nancy: 824-4426 nwhite38@hotmail.com

Treasurer Office Team: Diana Young, Mary Hawkins
   Diana: 812-339-0040 hoyoung@indiana.edu
   Mary: 824-2139 marywalloon@aol.com

Secretary Office Team: Marilyn Brinley, Joanna Howe
   Joanna: 812-277-8369 Joannahowe@earthlink.net
   Marilyn: 824-1318 mlbrinley@aol.com

Journalist Office Team: Helen Hollingsworth
   Helen: 332-7313 hhollin@indiana.edu

State Advisory Committee Representative: Herman Young, Gino Brancolini
   Herman: 339-0040 hoyoung@indiana.edu
   Gino: 336-1680 brancol@indiana.edu