



TWINTOWNS GARDENERS' MARKET

WAHPETON, ND / BRECKENRIDGE, MN

Japanese Beetle in North Dakota

The Japanese beetle is a highly destructive plant pest that feeds on more than 300 host plants, including field crops (especially corn and soybeans), ornamental trees and shrubs, garden flowers and vegetables, and turf (lawns, pastures and golf courses). Some of the preferred host plants of adult beetles found in North Dakota are rose, apple, black cherry, cherry, flowering crabapple, plums, grapes, hollyhock, blackberry, raspberry, linden, elm and buckeye. Grubs are found primarily in the root zones of grasses.

Once established, the Japanese beetle can be a difficult and expensive pest to control. Control costs for Japanese beetle are estimated at approximately \$450 million each year in the U.S.

In 2012, the Japanese beetle was detected at several locations in North Dakota, including Bismarck, Fargo, Grand Forks, Minot, Oakes, Taylor, West Fargo and rural Foster County. Upon investigation, the source of the infestation was identified as one nursery that shipped Japanese beetle-infested nursery stock into North Dakota.

What to Do If You Find a Japanese Beetle or Grub:

Collect the specimen and place it in a liquid-tight vial of 70 percent rubbing alcohol.

Record the exact collection location, date and name of collector.

Record the host plant on which the beetle was found or type of grass for grubs; i.e., lawn or golf course.

Count or estimate the total number of individual beetles that were observed.

You may provide photographs of the plant damage, but photographs of specimens are not a substitute for the specimens. Having physical insects or grubs is very important.

Promptly notify NDSU Extension Entomolo-



Japanese beetle (Clemson Univ. - USDA Coop. Ext. Slide Series, Buawood.org)



Japanese beetle feeding on linden tree (W. Fountain, UKY, Bugwood.org)



Japanese beetle grub (USDA ARS Archive, Bugwood.org)

gy (janet.knodel@ndsu.edu or pat-rick.beauzay@ndsu.edu) or Jason Goltz at Richland County Extension (jason.goltz@ndsu.edu).

For more information about Japanese Beetles, go to www.ag.ndsu.edu/publications/landing-pages/crops/integrated-pest-management-of-japanese-beetle-in-north-dakota-e-1631.

August 2013

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We're on the Web!

www.twintownsmarket.org



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Workshops

Hankinson Horticulture Day

American Legion Learning Center & Community Gardens
16610 94½ Street SE, Hankinson, ND (Lake Elsie)
August 21, 2013

- 9:00-9:30 Welcome
9:30-10:15 Home Lawn Care, Randy Nelson
10:15-11:00 Proper Usage of Pesticides, Jason Goltz
11:00-11:45 Container Garden/Community Garden Establishment, Todd Weinmann
11:45-12:30 Fruit Variety Trials, Kathy Wiederholt
12:30-1:15 Ornamental Grasses, Esther E. McGinnis
1:15-2:00 Perennials for All Seasons, Esther E. McGinnis
2:10-3:00 Tour of the Community Gardens

The workshop is FREE of charge. Attend any or all sessions. Lunch will be on your own and can be purchased on site from Wakeside Bar & Grill. Ace Hardware will have a demonstration booth at the gardens. Master Gardeners will have a booth.

For more information call Todd Weinmann at 701-241-5707 or Jason Goltz at 701-642-7793.

Saline & Sodic Soil Field Day

Bagg Bonanza Farm, Mooreton, ND
August 22, 2013
\$20.00 registration fee includes noon lunch and evening dinner

The day begins with registration between 8:15 and 8:45 a.m. at the Bagg Bonanza Farm near Mooreton. Morning and afternoon field tours will cover the following topics:

- Detecting a soil issue: how to sample and interpret results
- Water management of sodic soils
- Whole-systems management of saline soils
- Vision of the SHARE (Soil Health and Agriculture Research Extension) farm
- Hydrology, salinity and soils
- Cropping response to salinity
- Root diseases on stressed crops
- Weed management in salt-affected areas
- Pest pressures
- Economics and salinity: how much do we gain with tiling?

To register, contact Niki Lynnes at (701) 231-8881 or niki.lynnes@ndsu.edu. Preregistering by Aug. 19 is encouraged but not required.

The event is sponsored by the NDSU Extension Service, North Dakota Corn Council, NRCS and Richland County SCD.

Master Gardener Course

The North Dakota Master Gardener training consists of 32 hours of training from University faculty and professionals in their respective fields. Topics will include basics of plant and soil science, perennial and annual flowers, woody trees and shrubs, plant pathology, entomology, weed control, vegetable and fruit production, and much more.

Classes will be held at the Richland County Court House on Friday mornings, through the interactive video network, from Sept. 27 to Nov. 15. The course will be offered online for those who work or who cannot attend classroom training. Minnesota residents are welcome.

There are two enrollment options — Master Gardener Volunteer and Pro-Hort (Non-volunteer). Master Gardener interns agree to complete the 32-hour core training, take eight online quizzes, plus volunteer 48 hours in service to their local communities and to the NDSU Extension Service. These MG interns will pay \$150 for core course training.

A Master Gardener certificate will be sent to the intern

upon completion of volunteer service. A minimum of eight hours of updated advanced training is required each year to maintain the Master Gardener certificate.

Not everyone has the time to volunteer 48 hours in service. Pro-Hort students who desire this valuable horticultural training for personal or business purposes may take the Master Gardener Course for a fee of \$300. A Pro-Hort certificate will be sent to students who complete the course including eight online quizzes. Pro-Hort students may not use the title of Master Gardener.

Volunteer opportunities include answering gardening questions, working on special events, assisting your County Extension Agent, writing articles for newspapers (including this newsletter), producing vegetables and fruits for food pantries, and assisting at the TTGM.

For more information about the Master Gardener Program or volunteer opportunities, contact Jason Goltz, Richland County Horticultural Agent, at jason.goltz@ndsu.edu or 701-642-7793.

Eating Seasonally

Grilled Vegetables

Prepare vegetables as follows:

Squash or zucchini—trimmed and sliced lengthwise into 1/2-inch thick strips

Bell peppers—cored, seeds removed, and sliced lengthwise in quarters

Red onion—peeled and cut into 1/2-inch thick rounds

Fennel—trim stems and fronds, shave base off; cut vertically into 1/4-inch slices through the base, leaving a piece of the base attached

Eggplant—trim ends, cut crosswise into 3/4-inch rounds

Asparagus—use spears no thicker than 5/8-inch thick; snap off tough ends

Toss vegetables with olive oil, salt, and pepper until evenly coated.

Make sure grill is clean. Preheat on high for about 10 minutes before cooking as grill must be very hot. Lubricate grill by wiping with a paper towel dipped in vegetable oil.

Place vegetables on grill and cook for about 2-4 minutes on each side. Some vegetables may cook faster than others so watch closely.

Eat plain, drizzle with red wine vinaigrette, or sprinkle with grated Parmesan or crumbled goat or blue cheese.

Eating a diet rich in vegetables can reduce the risk of cardiovascular diseases, type 2 diabetes, and stroke.

Grilling brings out the flavor and preserves most of the nutritional value of vegetables.

New Vendor Grants

The North Dakota Farmers Market and Growers Association still has grant money available for new farmers' market vendors. These grants of \$200 each are available only to brand new vendors to help with startup costs. However, someone who has worked at a different stand, but branches off to create their own business, would be eligible.

Go to www.ndfarmersmarkets.com/grants_17.html for more information about this grant, or contact Crystal Grenier at 701-228-5649 or crystal.grenier@dakotacollege.edu.

For information about vending at TTGM, contact Penny Seifert at 701-642-2392.

