



# DAKOTA GARDEN EXPO 2013

## General announcements

- Use your coupons to collect your free seeds and plants. All seeds must be collected by 2:30PM, after which seeds are available to anyone on a first-come, first-served basis.
- Seating in seminars is available on a first-come, first-served basis.
- The most popular seminars will be produced and broadcast on the Dakota Growing Show on Dakota Media Access (local access cable in Bismarck/Mandan) and available for downloading on [www.freetv.org](http://www.freetv.org) in approximately two months. Go there now for presentations from previous year's Expos.
- Contact instructors for copies of any handouts.
- Concessions are open for your convenience.
- Mark your calendars for next year's Dakota Garden Expo: April 11–12, 2014.

## Please visit with our vendors!

A+ Sunrooms	Fashion Girl	Prairie Outpost Log Homes
AAA North Dakota	Goldade Landscaping	Prairie Road Organic Seed
ABC Seamless	Health Source Chiropractic	Ressler Siding & Windows
All Seasons Landscaping	HIPO Gear Totes	Rodan & Fields
April Flowers Greenhouse	Hot Springs Spas & Pool Tables	RTW Massage Pillows
Ashley Berry Candy Company	Lucky Ducks Deli	Ryan Dodge
Baker Family Medicine	Maple River Winery	Sam's Club
Baldwin Greenhouse	Marie's Market	Scentsy/Origami Owl - Melissa
Beyond Organic/ Prairie Diamond Cattle	Mary Kay	Securian Financial
Bis/Man Food Co-op	Mikey's County Candy	Skin by Wanja
Bis/Man Garden Club	Monavie - Shannon McCormick	Sons of Norway
Centerpiece of Centerpieces	Nagel Family Chiropractic	Superior Glass
Central ND Daylily Society	ND Dept of Ag. - Hunger Gardens	Thomas Ironworks
Chuck's Yard Art	NDSU Extension Office - Burleigh County	Thrifty One 31 Gifts - Shannon
Community Builders	Nerium	Titan Machinery/Cub Cadet
Cowgirl Bling Thing	Nicilyns	Today's Homework
Daisy Blue Naturals	Northern Plains Sustainable Agriculture Society	Townsquare Media
Dakota Boys & Girls Ranch	Norwex - Linda	Toy Guy
Dakota Sun Garden	Oak Valley Farms	Tubs N Roses
Daydreams	Organo Gold - Dawn	Ultimate Body Apps - IT Works - JoAnn
Dirty Girl	Owens BBQ	Yanish Custom Exteriors
Discover Health Chiropractic	Paparazzi Accessories	Young Living Essential Oils
Dove Chocolate Discoveries	Plant Perfect	Your Home Improvement Co.
Farmers Market - Sertoma Park		

# Schedule

Friday, April 12

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**3:00–8:00PM OPEN**

**6:00–8:00PM**

## Fun Activities for Youth

*Cathy Palczewski, 4-H Youth, NDSU*

- Make pots out of paper. Soil and seeds included.
- Rock painting
- Hands-on nutrition/garden design

## PRESENTATIONS

**NORTHEAST CORNER, HALL B**

### 6:00 Proper Planting of Trees

*Mitch Becker, Landscape Manager, Plant Perfect*

Planting a tree may seem easy but is often done wrong, even by professionals. Mitch will discuss the importance of trees and how to give a tree a good start. Proper planting depth, mulching, watering, and fertilizing strategies will be presented.

### 6:30 Five Steps to a Fantastic Garden

*Tom Kalb, Horticulturist, NDSU*

Tom will teach you the basics of growing a great garden. You will learn how to select seeds, prepare your soil, fertilize, water, control insects and diseases, and extend the growing season.

### 7:00 Low-Input Lawn Care

*Tom Kalb, Horticulturist, NDSU*

Do you want a good lawn but don't want to spend the entire weekend caring for it? Learn how to reduce fertilizing, irrigating, mowing and spraying your lawn. Work SMART; don't work HARD.

### 7:30 Foolproof Landscape Plants for Bismarck

*Tom Kalb, Horticulturist, NDSU*

North Dakota is a tough place to live for plants (not to mention for us). Tom will show you some of the toughest plants that anyone can grow. This will include trees, shrubs, flowers and fruits.

Saturday, April 13

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**8:00AM–4:00PM OPEN**

**9:00–10:00AM SESSION I**

## Gardening North Dakota Style

Room 101

*Kathleen Wiese, Instructor, Bismarck State College*

Gardening in North Dakota presents many challenges, but it is possible to create beautiful, durable gardens without breaking the bank or the back. Learn about garden design, site preparation, efficient irrigation, plant selection, and mulching to help deal with Mother Nature's challenges.

## The Seven Deadly Sins of Tree Care

Room 102

*Tom Kalb, Extension Horticulturist, NDSU*

You may be torturing your trees and not even know it! Tom will teach you how to keep your trees happy and healthy. He'll cover proper planting, mulching, fertilizing, watering, and protecting against bugs and rodents.

## Be Sun Savvy

Room 103

*Megan Myrdal, Extension Agent, NDSU*

Skin cancer is the number one cancer in the United States and skin cancer rates have tripled in the past 20 years. This presentation will help participants understand the causes of skin cancer, identify cancer signs and symptoms, and learn how to best protect oneself while enjoying outdoor weather.

## Growing Potatoes in the Garden

Room 104

*Andrew Robinson, Potato Specialist, NDSU*

Potatoes produce more food per area of land than most other plants. This presentation will give tips for successful potato gardening, including growth and development, variety selection, disease management, and much more.

**10:15–11:15AM SESSION II**

## Organic Gardening from the Ground Up

Room 101

*Brian and Angie McGinness, Riverbound Farms, Mandan*

Learn the basic whys and hows of going organic in the home garden. We'll cover the basic philosophy, underlying fundamentals, soil building, weed control, pest control, variety and seed selection, and the overall ecosystem approach to growing organic.

## Successful Gardening Working with NDAWN

Room 102

*Adnan Akyuz, State Climatologist, NDSU*

Learn of the North Dakota Agriculture Weather Network (NDAWN) and other helpful resources available in real time and for long-term average weather conditions. See the new USDA Plant Hardiness Map and how to be cautious when selecting landscape plants.

## Hardy Garden Lilies: Back to Basics and Beyond

Room 103

*Dennis Drews, Oak Valley Farm, Elk River, MN*

Learn about growing hardy lilies literally from the ground up, explore the many types of lilies available for gardeners, sources for lily bulbs, and find practical culture tips for success with lilies in your garden. Discover the newest lilies created and introduced by regional, national and international hybridizers.

## Ten Common Tree Diseases

Room 104

*Jared LeBoldus, Extension Plant Pathologist, NDSU*

Ten common diseases of trees in urban settings will be discussed. The audience will learn how to identify these diseases and a variety of ways they can be controlled.

## **Delicious Fruits That Survive North Dakota**

Room 105

*Kathy Wiederholt, Hardy Fruits Project, NDSU*

Learn about hardy, easy-to-grow, nutritive fruit crops that LOVE to grow in ND: aronia, cherries, black currants, honeyberries, Juneberries and more.

## **11:30–12:15 SESSION III**

### **Companion Planting with Perennials & Roses**

Room 101

*Marcy Pflieger, Designer, Plant Perfect*

Perennials and roses come together as the perfect companions for each other by providing an extension of their color and form. Finding the right combination of these companion plants will allow you to put these “good neighbors” to work anywhere within your landscape.

### **Selecting Shrubs for Home Landscapes**

Room 102

*Todd West, Woody Plant Improvement, NDSU*

Discussion and presentation on shrub selection for various situations and considerations.

### **A Gardener’s Grilling Guide!**

Room 103

*David Newman, Eric Berg, Paul Berg, and Austen Germolus; Department of Animal Sciences; NDSU*

The NDSU BBQ BOOT CAMP crew will discuss grilling vegetables on the grill and incorporating them into BBQ! We will discuss vegetables that work well from the garden, spice and marinade ideas, and more information about the NDSU BBQ BOOT CAMP! We will include samples!

### **Ten Common Tree Diseases (repeat)**

Room 104

*Jared LeBoldus, Extension Plant Pathologist, NDSU*

Ten common diseases of trees in urban settings will be discussed. The audience will learn how to identify these diseases and a variety of ways they can be controlled.

## **How to Grow Large Onions**

Room 105

*Harlene Hatterman-Valenti, Specialist, NDSU*

Often gardeners use onion sets and at the end of the season are upset because their onion bulbs did not reach the diameter they wanted. This presentation will explain what you can do to grow 3–4 inch diameter onions.

## **12:15–1:15PM LUNCH**

## **1:15–2:15PM SESSION IV**

### **A Gardener’s Grilling Guide! (repeat)**

Room 101

*David Newman, Eric Berg, Paul Berg, and Austen Germolus; Department of Animal Sciences; NDSU*

The NDSU BBQ BOOT CAMP crew will discuss grilling vegetables on the grill and incorporating them into BBQ! We will discuss vegetables that work well from the garden, spice and marinade ideas, and more information about the NDSU BBQ BOOT CAMP! We will include samples!

### **Woody Plant Research: New Trees and Shrubs for the North**

Room 102

*Todd West, Woody Plant Improvement, NDSU*

Insights on current research and new woody plant introductions from the NDSU Woody Plant Improvement Program will be discussed.

### **The Benefits of Gardening from Adolescence through the Golden Years**

Room 103

*Alan Zuk, Horticulture Educator, NDSU*

Alan will discuss gardening ideas to catch the interest of children; hopefully launching a new generation of healthy eaters. He will also discuss the positive effects of gardening on older adults and innovations that may make gardening easier.

## **North Dakota’s Favorite Vegetable Varieties**

Room 104

*Tom Kalb, Extension Horticulturist, NDSU*

Hundreds of families in North Dakota work together to evaluate vegetable varieties in their backyard gardens. Get the latest information on our top performing varieties.

## **2:30–3:30PM SESSION V**

### **Low-Input Lawn Care (The LILaC Program)**

Room 101

*Tom Kalb, Extension Horticulturist, NDSU*

Do you want a good lawn but don’t want to spend the entire weekend caring for it? Learn how to reduce fertilizing, irrigating, mowing, and spraying your lawn. Work SMART; don’t work HARD.

### **Spring Shrub Pruning**

Room 102

*Kevin Hollatz, Manager, Plant Perfect*

Kevin will teach you how to prune and rejuvenate shrubs. Topics to be discussed include the proper tools, the best time of the year to prune, how much of a shrub should be pruned, and where to make the cuts.

### **Gardening is Food Sovereignty in Action**

Room 103

*Colette Wolf, Agroecology, United Tribes Technical College*

United Tribes Technical College, located in Bismarck has a growing agroecology program. Join us to learn how a Land Grant Tribal College is promoting food security through community based programming.

### **Common Problems for Homeowners**

Room 104

*Sheldon Gerhardt, Extension Agent, NDSU*

Learn about some of the common questions that come through a county Extension office. We’ll discuss insects, diseases, and management issues that cause problems for many people. Learn how to prevent, manage and recognize common problems.

# Meet the Presenters

## Adnan Akyuz

Adnan is the North Dakota State Climatologist and Director of the North Dakota Agriculture Weather Network. The center oversees the operation of more than 70 automated weather stations across the region. He teaches courses on meteorology and climatology at NDSU. Adnan received his Ph.D. in Atmospheric Science from the University of Missouri in 1994.

## Mitch Becker

Mitch is the Landscape Manager for Plant Perfect, a major garden center and landscaping company for the region. A graduate of NDSU in 2010, Mitch has designed and established landscapes throughout the region.

## Dennis Drews

Dennis has grown hardy lilies for more than twenty years and for five years was Bulb Chairman for the North Star Lily Society, the Minnesota regional society for lily enthusiasts. Dennis and his wife, Char, are owners of Oak Valley Farm (Elk River MN) and growers of hardy bulbs and perennials for the wholesale and retail markets.

## Sheldon Gerhardt

Sheldon has been working for NDSU since 2006 and has been a Logan County Extension Agent since 2008. He took the Master Gardener course in 2007 and enjoys learning about horticulture and forestry through his daily work as a county agent. Gerhardt has a degree in Agricultural Education from NDSU.

## Harlene Hatterman-Valenti

Harlene is an Associate Professor at NDSU. As a specialist in high value crops, she conducts research across the state on the production of grapes, Juneberries, vegetables, and other high value crops. Harlene teaches herbaceous landscape plants on campus. She received her Ph.D. in horticulture from Iowa State University.

## Kevin Hollatz

Kevin is the manager of Plant Perfect, a major garden center and landscaping company in the region. He has 11 years of experience in the landscape maintenance business. A native of Carrington, Kevin graduated from NDSU with a Bachelors degree in Horticulture in 1987.

## Tom Kalb

Tom is a horticulture educator for NDSU. He specializes in vegetable and fruit production, youth gardens, and pest management. Tom coordinates the ND Home Garden Variety Trials, where families evaluate vegetable and flower varieties in their gardens. He earned his Ph.D. in Horticulture at Virginia Tech.

## Jared LeBoldus

Jared joined the Department of Plant Pathology at NDSU in 2011 and conducts research in forest pathology. He received his Ph.D. in Forest Biology and Management from the University of Alberta.

## Brian and Angie McGinnis

Brian and Angie operate Riverbound Farm, a certified organic vegetable farm south of Mandan. They grow ten acres of more than forty different crops that feed fresh produce to upwards of 200 local families for six months of the year.

## Megan Myrdal

Megan is an Extension Agent with NDSU. She serves the people of Burleigh County by providing educational programs in nutrition and health, food safety, family economics and family sciences. Megan is a 2009 graduate of Concordia College with degrees in Food Nutrition/Dietetics and Communications.

## David Newman, Eric Berg, Paul Berg, Austen Germolus

We are all members of the Animal Sciences Department. We are the directors of the NDSU BBQ BOOT CAMP and have presented the program to over 5000 people throughout the state since 2009. We love BBQ and use the program to educate participants about the critical role agriculture plays in securing their food supply!

## Cathy Palczewski

Cathy is the 4-H Youth Development Agent for Burleigh County. Areas of expertise include youth camping and 4-H military programs.

## Marcy Pflieger

Marcy has worked over 10 years with landscape and garden design. She is an expert on rose care and is a popular speaker at workshops. She works as the rose specialist at Plant Perfect, a major garden center in the region.

## Andrew Robinson

Andrew is the Potato Extension Agronomist at NDSU/University of Minnesota. Originally from Idaho, he received a doctorate degree from Purdue University. Andrew's research is focused on weed control and herbicide injury in potatoes, and growth of plants as influenced by cultural practices.

## Todd West

Todd is originally from Madison, WI. He received his doctoral degree from Southern Illinois University at Carbondale. Todd is an Associate Professor at NDSU and director of the NDSU Woody Plant Improvement Program. This program develops new woody cultivars suited for USDA hardiness zones 3 and 4.

## Kathy Wiederholt

Kathy is the fruit project manager at the NDSU-Carrington Research Extension Center. She provides information to gardeners and provides fruit samples to companies that use fruit in order to promote the use of the crop.

## Kathleen Wiese

Kathleen got her start in gardening at a young age, helping her mother on the family farm. She later became a Master Gardener and a regional expert in xeriscape gardening. Kathleen teaches a variety of gardening courses through the continuing education programs at Bismarck State College.

## Colette Wolf

Colette is the Agroecology Extension Educator at United Tribes Technical College. With a degree in Horticulture from Montana St. University, traditional gardening practices from her heritage as Anishinabeg from the Lac Courte Oreilles Band in Wisconsin, along with her German heritage; Colette blends science and culture in developing food sovereignty to promote food security.

## Alan Zuk

Alan received his Ph.D. degree in Horticulture from Kansas State University (KSU). Before arriving at NDSU, he managed the Rocky Ford Turfgrass Research Center for KSU for 10 years. Alan is an Assistant Professor at NDSU, teaching courses in turf management, horticulture therapy, and landscape bidding and contracting.