

# SEED SURVIVOR

This interactive and educational exhibit teaches you about the elements needed for seeds to grow into plants.

Seed Survivor features multi-media and virtual reality games, insect video scopes, sunflower planting stations, talking walls and more.



# Ocean Spray FUN FACTS

- Cranberries bounce! Small pockets of air inside the fruit enable fresh fruit to bounce. It is also what makes berries float in water, which is how many cranberries are harvested.
- If you strung all the cranberries produced in North America last year, they would stretch from Boston to Los Angeles more than 565 times.
- The cranberry is one of only a handful of major fruits native to North America. Others include the blueberry and Concord grape.
- A barrel of cranberries weighs 100 pounds. Give or take a few, there are about 450 cranberries in a pound and 4,400 cranberries in one gallon of juice.
- Cranberries are primarily grown in five U.S. states—Massachusetts, Wisconsin, New Jersey, Oregon and Washington—as well as British Columbia and Quebec, Canada.

# DEMONSTRATORS

**African Violet Society of Minnesota**  
<https://sites.google.com/site/avsmnnesota>

**Agrium Seed Survivor**  
<http://www.growingthenextgeneration.com/index.html>

**Bone Lake Meadows**  
<http://www.bonelakemeadows.com>

**Crowell, Laurie**  
<http://www.goldenfig.org>

**Kelsey, Ron**  
 Minnesota State Fair: Farm Crops Superintendent

**Master Gardener**  
<http://www1.extension.umn.edu/master-gardener>

**Mickman Brothers, Inc.**  
<http://www.mickman.com>

**Minnesota Bonsai Society**  
<http://www.minnesotabonsaisociety.org>

**Minnesota Christmas Tree Association**  
<http://www.mncta.com>

**Minnesota Gladiolus Society**  
<http://www.gladworld.org/index.htm>

**Minnesota Mycological Society**  
<http://www.minnesotamushrooms.org>

**Minnesota Nursery and Landscape Association**  
<http://www.gardenminnesota.com>

**Minnesota State Florist Association**  
<http://mnsfa.org>

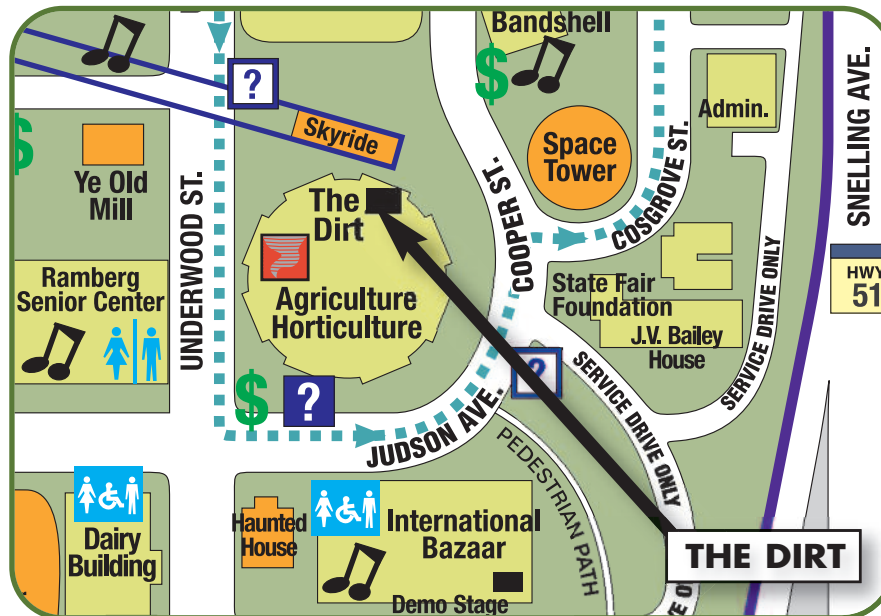
**Minnesota State Horticultural Society**  
<http://www.northerngardener.org>

**Orchid Society of Minnesota**  
<http://mnslipper.com>

**Paulsen, Linda**  
 Minnesota State Fair Crop Artist



Thanks to Mickman Brother's for providing the landscaping. Photos courtesy of Dave Hansen and the University of Minnesota.



# THE DIRT

Located on the northeast side of the Agriculture Horticulture Building, next to the Skyride.

Demonstrations begin daily at 10 a.m.

Proudly sponsored by



# MINNESOTA STATE FAIR



Get "the dirt" on your most vital agriculture/horticulture interests and desires. A plethora of knowledgeable people will provide just the information you are looking for.

Don't forget to check out the children's display: Seed Survivor at **The Dirt** in the Ag Hort Building.

# DEMONSTRATION SCHEDULE

## Thursday, Aug. 25

- 10am: Kathy Lahti, "Helpful Hints for Growing African Violets," African Violet Society of Minnesota.
- 11am: Theresa Rooney, "Vegetable Gardening," Hennepin County Master Gardener.
- Noon: Ron Spinosa & John Lamprecht, "Poisonous and Edible Mushrooms of Minnesota: The Safe Six," Minnesota Mycological Society.
- 1pm: Marie Digatono, "Gardening for Sustainability, Birds and Butterflies," Hennepin County Master Gardener.
- 2pm: Malcolm Burleigh, "Greenhouses-Getting a Jump on the Season," Minnesota State Horticultural Society.
- 3pm: "Flowers for Kids," First 100 Kids Get Free Flowers! Minnesota State Florist Association."
- 4pm: Heidi Heiland, "Edible Gardens," Minnesota Nursery and Landscape Association.
- 5pm: Art Olive, "Proper Shearing Techniques for Christmas Trees," Minnesota Christmas Association.

## Friday, Aug. 26

- 10am: Kathy Lahti, "Helpful Hints for Growing African Violets," African Violet Society of Minnesota.
- 11am: Ron Kelsey, "How to Select and Show Ten Ear Samples of Corn," Minnesota State Fair Superintendent of Farm Crops.
- Noon: Theresa Rooney, "Seed Saving-Hybrid, Heirloom or Hype?" Hennepin County Master Gardener.
- 1pm: JoAnne Sabin, "Bee-Friendly Plants," Master Gardener in Dakota County.
- 2pm: Heidi Heiland, "Deer and Rabbit Control," Minnesota Nursery and Landscape Association.
- 3pm: Donna Revak, "Topping Your Christmas Tree," Minnesota Christmas Tree Association.

## Saturday, Aug. 27

- 10am: Sarah Green Toews, "Safely Preserving Garden Vegetables," Hennepin County Master Gardener.
- 11am: Linda Paulsen, "Crop Art."
- Noon: Donna Revak, "Creating Your Wreath," Minnesota Christmas Tree Association.
- 1pm: Larry Cipolla, "Backyard Composting: the Easy Way," Hennepin County Master Gardener.
- 2pm: Bone Lake Meadows Apiary, "Making All Natural Cosmetics and Salves from Bee Wax," Minnesota Hobby Beekeepers.

- 3pm: "Growing Glorious Gladiolus," Minnesota Gladiolus Society.
- 4pm: Heidi Heiland, "Container Gardening," Minnesota Nursery and Landscape Association.

## Sunday, Aug. 28

- 10am: Janet Pauley, "Low-Maintenance Perennial Gardening," Goodhue County Master Gardener.
- 11am: Heidi Heiland, "Horticultural Therapy," Minnesota Nursery and Landscape Association.
- Noon: Donna Revak, "Decorating at Your Door," Minnesota Christmas Tree Association.
- 1pm: Patti Lauer, "Fall Garden Tips & Lasagna Gardening for Spring," Hennepin County Master Gardener.
- 3pm: "Growing Glorious Gladiolus," Minnesota Gladiolus Society.

## Monday, Aug. 29

- 10am: Diana Rankin, "Using Native Shrubs and Their Cultivars in the Garden," Kanabec County Master Gardener.
- 11am: Ron Kelsey, "Corn—it's a-mazing!" Minnesota State Fair Superintendent of Farm Crops.
- Noon: Anne Marie Moseman, "Protecting Shorelines with Plants," Mickman Brothers Inc.
- 1pm: Linda Tenneson, "Starting Seeds Indoors," Benton County Master Gardener.
- 2pm: Jim Calkins, "Basic Landscape Design Principles," Minnesota Nursery and Landscape Association.
- 3pm: Floyd Hinkemeyer, "Proper Shearing Techniques for Christmas Trees," Minnesota Christmas Tree Association.

## Tuesday, Aug. 30

- 10am: Dave Knapp, "No-Spray Garden Techniques," Anoka County Master Gardener.
- 11am: Ron Kelsey, "Seed Feed, and Flour Sacks," Minnesota State Fair Superintendent of Farm Crops.
- Noon: Sue Piatt, "Pots of Christmas Cheer-Holiday Planters," Minnesota Christmas Tree Association.
- 1pm: Kathleen Wenzel, "Ten Tips for Growing Terrific Tomatoes," Master Gardener in Dakota County.
- 2pm: Jim Calkins, "No-Mow Lawns," Minnesota Nursery and Landscape Association.

## Wednesday, Aug. 31

- 10am: Shirley Mah Kooyman, "Herbs: Growing, Harvesting and Preserving," Hennepin County Master Gardener.

- 11am: Jim Calkins, "Pruning in the Home Landscape," Minnesota Nursery and Landscape Association.
- Noon: Donna Revak, "Decorating Your Tree-From the Top Down and the Inside Out," Minnesota Christmas Tree Association.
- 1pm: Paul Richtman, "How Do Bumblebees Survive Winter? & Other Interesting Facts About Bumblebees!" Master Gardener in Washington County.
- 2pm: Laurie Crowell, "Fall Harvest Breakfast Recipes," Founder of Golden Fig Fine Foods.
- 3pm: Professional Floral Designers, "See How We Do It! Master Designers Tell All!" Minnesota State Florist Association.

## Thursday, Sept. 1

- 10am: Shari Mayer, "Herbs: Now That You've Got Them, What Do You Do With Them?" Master Gardener in Dakota County.
- 11am: Jim Calkins, "Proper Landscape Plant Selection," Minnesota Nursery and Landscape Association.
- Noon: Jack Petersen, "Proper Shearing Techniques for Christmas Trees," Minnesota Christmas Tree Association.
- 1pm: Paul Richtman, "Tree & Shrub Pruning," Master Gardener in Washington County.
- 2pm: "Find Your Style: Brides Bouquet 101. A Must See for Any Bride to Be!" Minnesota State Florist Association.

## Friday, Sept. 2

- 10am: Patricia Ohmans, "Global Worming," Ramsey County Master Gardener.
- 11am: Jim Calkins, "Landscaping for Wildlife," Minnesota Nursery and Landscape Association.
- Noon: Sue Piatt, "Wonderful Garlands-Decorating for the Holidays," Minnesota Christmas Tree Association.
- 1pm: Linda Ganje, "Dividing Perennials," Hennepin County Master Gardener.
- 3pm: "Creation of a Bonsai," Minnesota Bonsai Society.

## Saturday, Sept. 3

- 10am: Theresa Rooney, "Introduction to Permaculture: What it is, How You Can Start, Why it is a Great Way to Garden!" Hennepin County Master Gardener.
- 11am: Linda Paulsen, "Crop Art."
- Noon: Jan Donelson, "Hues of the Season-Decorating with Color," Minnesota Christmas Tree Association.
- 1pm: Janet Pauley, "Square Foot Vegetable Gardening," Goodhue County Master Gardener.

- 2pm: Joe Acebo, "Tips for Orchid Growing Success," Orchid Society of Minnesota.
- 3pm: "Creation of a Bonsai," Minnesota Bonsai Society.
- 4pm: Jim Calkins, "What is a Rain Garden?" Minnesota Nursery and Landscape Association.

## Sunday, Sept. 4

- 10am: Dave Knapp, "Bulbs, Tubers and Roots, Oh My!" Anoka County Master Gardener.
- 11am: Jim Calkins, "How to Amend Landscapes and Garden Soils," Minnesota Nursery and Landscape Association.
- Noon: Mark Hansen, "Make a Wreath," Minnesota Christmas Tree Association.
- 1pm: Lois Helgeson, "The Incredible Dahlia," Ramsey County Master Gardener.

## Monday, Sept. 5

- 10am: Karin Ciano, "Boot up a Bin: Compost for Newbies," Hennepin County Master Gardener.
- 11am: Jim Calkins, "Proper Tree & Shrub Planting Techniques," Minnesota Nursery and Landscape Association.
- Noon: Donna Revak, "Decorating with Children," Minnesota Christmas Tree Association.
- 1pm: Joe Baltrukonis and Jennifer Porwit, "Edible Landscaping," Ramsey County Master Gardeners.

