

# SCHOOL GARDEN 101 CONFERENCE



University of Rhode Island  
Cooperative Extension  
2.16.2016

THE  
UNIVERSITY  
OF RHODE ISLAND  
COLLEGE OF  
THE ENVIRONMENT  
AND LIFE SCIENCES

THE  
UNIVERSITY  
OF RHODE ISLAND  
EXTENSION  
OUTREACH CENTER

# TEACHERS ARE THE KEY



- Instill healthy eating habits
- Improve food system literacy
- Inspire next generation of food system advocates



# URI EXTENSION CURRICULUM RESOURCES

# CONFERENCE HANDOUTS – WEBSITE ON BOTTOM OF AGENDA



## URI EXTENSION OUTREACH CENTER

College of the Environment and Life Sciences



### SCHOOL GARDENS 101 CONFERENCE 2016

Date: **Tuesday, February 16, 2016**

Location: [URI Feinstein Providence Campus, Paff Auditorium](#)

Registration: *At this time we have reached our limit for participants. If you wish to be put on a wait list, please contact our office at [outreach@uri.edu](mailto:outreach@uri.edu) or call 401-874-2900.*

Whether you're rehabbing an existing garden, starting from scratch or looking to expand, we'll share best practices for a successful school gardening season.

- FIND school garden curriculum and gardening resources.
- GAIN SUPPORT for the garden from teachers, administrators, parents and the wider community.
- PLAN ahead for summer garden care.
- CONNECT to the network of local school gardeners!



### 2016 CONFERENCE HANDOUTS

#### HANDOUTS

[2016 School Garden 101 Conference Agenda](#)

[4H Volunteer Poster](#)

[Toolkit for RI School Gardens](#)

[RI Planting Calendar](#)

[GCD The Growing Classroom](#)

[Berlese Funnel Instructions for Decomposers Lesson](#)

[URI Extension School Garden Resources Flyer](#)

[URI Extension Outreach Center 6 Month Calendar](#)

[Dirt Investigations](#)

[Sensational SOIL Worksheet](#)

# SCHOOL GARDEN CURRICULA: FOOD LITERACY



Go to [web.uri.edu/ceoc](http://web.uri.edu/ceoc)  
Click on curriculum resources

# SCHOOL GARDEN CURRICULA: BIODIVERSITY IN URBAN GARDENS



# SCHOOL GARDEN CURRICULA: WATER QUALITY AND WATER CYCLE



## Teacher Workshops!

# JUNIOR MASTER GARDENER CURRICULA

Website: [jmgkids.us](http://jmgkids.us)

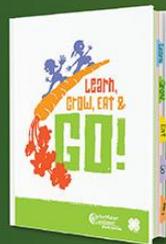
## Quick and Easy School Garden Kit

Part 1 of 2



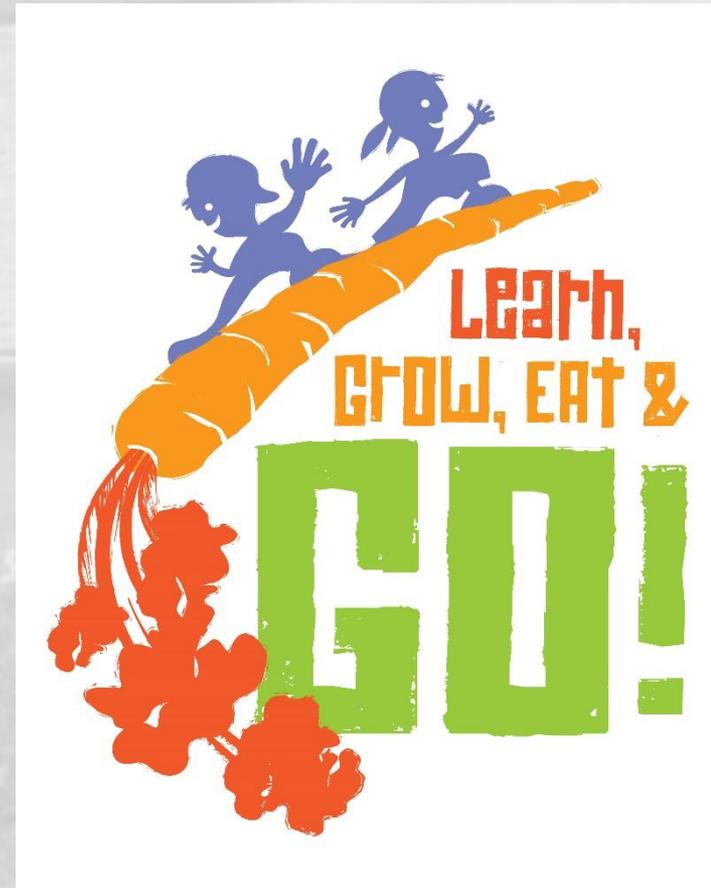
### Getting Materials, Building, and Planting the Garden

Creating a garden for your class can be easier and less expensive than you might think. Below are lists of materials needed for simple, raised-bed garden kits and the steps involved for students to build the garden.



The **Learn, Grow, Eat & Go!** curriculum guides your class to plan a garden with three 1-square-foot plantings of each of six kinds of vegetables.

We recommend that your school garden also include a few extra square feet of open planting space. This could be used for additional plantings of favorite vegetables, flowers, or herbs that your class might decide to add.



WE DO™



# LEARNING LANDSCAPE FIELD TRIPS



K-5 Classrooms, Title I scholarships

# ECO-EXPLORATION CAMP



*6/27-6/30 Camp Watchaug, Charleston*  
*7/5- 7/8 Roger Williams Park Botanical Center*  
**Continues July and August 2016**



# URI EXTENSION GARDENING RESOURCES

# GARDENING QUESTIONS?

## URI Gardening & Environmental Hotline

Monday-Thursday

9:00am - 2:00pm

Call: 1-800-448-1011

Email:

[gardener@etal.uri.edu](mailto:gardener@etal.uri.edu)

pH Soil testing



# FREE PH SOIL TESTING, SEEDS AND WORKSHOPS FROM URI MASTER GARDENERS



- First Saturday of the month at the Roger Williams Park Botanical Center
- Saturday, 4/2, Seed starting in the classroom workshop

# SOIL TESTING – UMASS AND UCONN

## What soil amendments should we use?

(fertilizer, etc.)

- pH
- Nutrients (P, K, Ca, Mg, Fe, Mn, Zn, Cu, B, S, lead, aluminum)
- **Need consultation?**
  - Lead
    - Dawn Pettinelli, UConn



# TOTAL SORBED METALS TEST



- Should we plant directly in ground?
- Total sorbed metals test (\$55)– lead, nickel, cadmium, chromium, zinc, copper
- Additional elements may be added
  - Arsenic
  - Selenium
  - Molybdenum

in collaboration with:



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## RI NATIVE PLANT GUIDE

COLLEGE OF THE ENVIRONMENT AND LIFE  
SCIENCES



[www.web.uri.edu/rinativeplants/](http://www.web.uri.edu/rinativeplants/)

Search:

scientific or common name

Type (T):

All

Exposure:

All

Moisture:

All

Wildlife:

All

Uses:

All

Height:

All

Coastal (CT):

Rhody Native™ (RN):

Search

Clear Filter





- [Search](#)
- [About](#)
- [Glossary](#)
- [Acknowledgements](#)
- [Resources](#)
- [Contact](#)



Search:

Type (T):  ▾

Exposure:  ▾

Moisture:  ▾

Wildlife:  ▾

Uses:  ▾

Height:  ▾

Coastal (CT):  Rhody Native™ (RN):



Choose the *Right Plant* for the *Right Place*.

Search:

Type (T):

Exposure:

Moisture:

Wildlife:

Uses:

Height:

Coastal (CT):  Rhody Native™ (RN):



Example: Drought Tolerant Perennials for Full Sun conditions along the Coast that are most attractive to our local Pollinators

[Login](#) | [Print this page](#)

Database Search Results:

Latin Name	Common Name	T	FS	SH	ED	MD	BD	PL	DT	WT	CT
<u><i>Asclepias tuberosa</i> ssp. <i>tuberosa</i></u>	butterfly milkweed	P	X			X		X	X		X
<u><i>Baptisia tinctoria</i></u>	yellow wild indigo	P	X			X		X	X		X
<u><i>Chrysopsis mariana</i></u>	Maryland golden-aster	P	X					X	X	X	X
<u><i>Eupatorium hyssopifolium</i></u>	hyssop-leaved thoroughwort	P	X	X				X	X		X
<u><i>Euthamia caroliniana</i></u>	slender goldentop	P	X					X	X		X
<u><i>Liatris novae-angliae</i> var. <i>novae-angliae</i></u>	northern blazing star	P	X					X	X		X
<u><i>Oenothera biennis</i></u>	common evening-primrose	P	X		X	X	X	X	X		X
<u><i>Opuntia humifusa</i></u>	eastern prickly-pear	P	X		X			X	X		X
<u><i>Pseudoanaphalium obtusifolium</i> var. <i>obtusifolium</i></u>	blunt-leaved rabbit tobacco	P	X					X	X		X
<u><i>Pycnanthemum muticum</i></u>	broad-leaved mountain-mint	P	X		X			X	X	X	X
<u><i>Solidago sempervirens</i> var. <i>sempervirens</i></u>	seaside goldenrod	P	X					X	X	X	X
<u><i>Symphotrichum ericoides</i></u>	heath American-aster	P	X					X	X		X



Here are a dozen perennials suitable for those specific conditions.

***Asclepias tuberosa ssp. tuberosa* (butterfly milkweed)**

Plant Type:	Perennial	Coastal Tolerant:	Yes
Full Sun:	Yes	Height:	1-2.5'
Shade Tolerant:	No	Width:	1-1.5'
Dry/Drought Tolerant:	Yes	Rhody Native™:	Yes
Wet Sites:	No	Status:	Concern

**Available at:****Nursery/Garden Center**

Blue Moon Farm Perennials	<a href="#">info</a>
Chase Farms Inc.	<a href="#">info</a>
Evergreen Tree & Landscape	<a href="#">info</a>
the Farmer's Daughter	<a href="#">info</a>
Pleasant Acres Nursery	<a href="#">info</a>

**Photo Gallery:**

... “mmm, I recognize this plant. If you plant some of these, you just might find me (and my beautiful mother) in your garden.”

## Blue Moon Farm Perennials

173 Saugatucket Road, Wakefield, RI 02879

Website: [www.bluemoonfarmperennials.com](http://www.bluemoonfarmperennials.com)

Phone: 401-284-2369

### Native species in stock (please call to confirm availability):

Latin Name	Common Name
<u><a href="#">Adiantum pedatum</a></u>	northern maidenhair fern
<u><a href="#">Andropogon gerardii</a></u>	big bluestem
<u><a href="#">Aquilegia canadensis</a></u>	red columbine
<u><a href="#">Asclepias incarnata var. pulchra</a></u>	swamp milkweed
<u><a href="#">Asclepias purpurascens</a></u>	purple milkweed
<u><a href="#">Asclepias syriaca</a></u>	common milkweed
<u><a href="#">Asclepias tuberosa ssp. tuberosa</a></u>	butterfly milkweed
<u><a href="#">Caltha palustris</a></u>	marsh-marigold
<u><a href="#">Carex pensylvanica</a></u>	Pennsylvania sedge
<u><a href="#">Carex platyphylla</a></u>	broad-leaved sedge
<u><a href="#">Carex stricta</a></u>	tussock sedge
<u><a href="#">Chelone glabra</a></u>	white turtlehead
<u><a href="#">Eupatorium hyssopifolium</a></u>	hyssop-leaved thoroughwort
<u><a href="#">Eupatorium sp. fallidum</a></u>	hyssop-leaved thoroughwort



*Blue Moon Farm Perennials* is just one of over 20 nurseries that has begun to list their native plant availability in the guide.



## URI EXTENSION OUTREACH CENTER

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HOME | WHO ARE YOU? | RESOURCES | CONNECT WITH US



### RESOURCES

#### COMPOST

1. Starting a compost pile
2. Composting with Worms
3. Compost Soil Testing Form
4. Recycling in Rhode Island



#### GARDEN

1. Nationwide eXtension search tool
2. Cornell Extension Gardening
3. Rutgers Extension Gardening
4. NBC10 Plant Pro
5. URI Gardening and Environmental Hotline and Email Service
6. UConn soil testing lab
7. UMass soil testing lab
8. URI Master Gardener Program Project Map



#### GROW FOOD

1. RI Planting calendar
2. URI Free Seed Program (Look for an order form each February)
3. NBC10 Plant Pro
4. Food Safety in the Garden + Preservation
5. Food Safety for School + Community Gardens
6. UConn soil testing lab
7. UMass soil testing lab
8. URI Master Gardener Program Project Map
9. Succession Planting for Vegetables



#### PROTECT YOUR PLANTS

1. URI Plant Protection Clinic
2. Cornell Insect Diagnostic Lab Factsheets
3. Cornell Plant Pathology Vegetable Diseases Factsheets
4. UMASS Introduced Pest Outreach Project Factsheets
5. North Carolina State Insect ID Resource



# URI EXTENSION OUTREACH CENTER & SOCIAL MEDIA

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training is taking place!*



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*Our favorite place to share tips on  
gardening, growing food &  
energy!*  
***twitter.com/urioutreach***



*Share with us on  
Instagram!*

*Our goal is to take pictures of  
plants, insects, diseases etc. so  
that you can learn how to ID  
too!*



# NEW! SCHOOL GARDEN INITIATIVE

The **School Garden Initiative** aims to unite teachers, students and families through school garden engagement to increase food access and literacy and connection to the environment, and enhance learning around Common Core and Next Generation Science Standards.

## School Garden Initiative Website (coming soon!):

- Getting Started
- Best Practices
- Teach in the Garden (curriculum)
- Find Funding
- Talk and Share (message board)

# ANY QUESTIONS?



**URI Gardening & Environmental  
Hotline:**

1-800-448-1011

[gardener@etal.uri.edu](mailto:gardener@etal.uri.edu)

[www.urimastergardeners.org](http://www.urimastergardeners.org)



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