

# SPRING PROJECT GROW



UNIVERSITY OF GEORGIA  
EXTENSION  
Master Gardener Program

The University of Georgia  
College of Agricultural and Environmental Sciences  
Cooperative Extension

## Project GROW Virtual Gardening Curriculum

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## Supplies for Spring Sessions

This module requires basic supplies for starting seeds, and watering and fertilizing seedlings. If funds are available to buy supplies, options are provided in the “Items to Purchase” column. If supplies cannot be purchased, then consider the “Alternative” column for materials that can be gathered from home. Some materials are “consumables” and must be purchased or otherwise acquired.

*Note: If live plants are not available, you can sow seeds, but be aware that there may not be enough time to reach a harvestable yield before frost occurs in the fall. Alternatively, you can provide the seeds but encourage participants to purchase their own plants. Refer to GROW: Basics for seed-starting instructions.*

## TOOLS

### Items to Purchase

1. 30-watt full spectrum Grow light
2. watering can
3. plastic spray bottle
4. drill and 1/32" drill bit

### Alternatives

1. grow outside when seasonally appropriate
2. milk jug or other clean beverage container that has been washed in soapy water and rinsed well (disinfect before use)
3. beverage bottle with holes punched in lid to make a watering bottle
4. hammer, nail, and wood block

## STORABLES

### Items to Purchase

1. 2, 5-gallon plastic pots or buckets with drainage holes and 2, 1-gallon plastic pots
2. plastic plant tags
3. pot saucers
4. clean bucket or pan for moistening seed starting media
5. frost-protection fabric
6. plant trellis materials

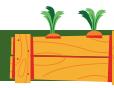
### Alternatives

1. previously used plastic pots (disinfect before use)
2. repurpose window blinds (cut into short sections), plastic lids cut like tags, plastic disposable knife (write on the blade or handle), popsicle sticks
3. food containers or lids to serve at catch basins
4. aluminum food pan, plastic bucket or bowl (disinfect before use)
5. bed sheets, modified milk jugs, etc.
6. stakes, t-posts, poultry or cattle fencing

## CONSUMABLES

### Items to Purchase

1. seeds for cool-season crops (carrot and lettuce)
2. soilless seed-starting media (without fertilizer)
3. water-soluble fertilizer
4. slow-release fertilizer
5. potting media
6. plastic drink bottle (20 oz), such as from Powerade or Gatorade (heavier than a basic water or soft drink bottle, and with a wider mouth)
7. 3 seed potatoes or organic untreated potatoes



## *Let's talk about cool-season vegetables!*

This module gets started with defining cool-season crops and their desired cultural conditions and how to begin to plan for a spring planting. This session also covers the process of growing greens indoors. Light will be critical for success, a concept that will be reinforced by the demonstration.

### Preparing for this Session

- Gather the materials and supplies needed for this session (outlined in the box to the right). Refer to the supplies table at the beginning of this guide for additional guidance and substitution suggestions.
- Retrieve the presentation file and assessment polls for this session from the project website.
- Review the presentation script included at the end of this chapter.
- Review the demonstration guide and prepare the activity for the session.

### Supplies

- Lettuce or spinach seeds
- Potting soil
- Watering bottle
- Small pots and saucers
- Grow light

### Session Plan

#### **:00 Gathering**

- Introductions
- Recognition of military service (for audiences including veterans)
- Ice breaker
- What's on your mind (opportunity for questions before the session starts)
- Well-being pre-assessment poll – be sure to set up ahead of time
- Knowledge pre-assessment poll – be sure to set up ahead of time

#### **:15 Lesson**

- Learn about growing spring vegetables and coordinating planting times with expected temperatures.

#### **:30 Demonstration**

- This week's demonstration is sowing lettuce seeds. Two containers will be planted. One will be placed under the grow light, while the other will not. Through observation, participants will learn the value of the supplemental light for plant growth. Refer to the demonstration instruction page in this section.

#### **:45 Summary**

- Review main points of session
- Knowledge post-assessment poll – be sure to set up ahead of time

#### **:55 Adjourn**

- Reminder for next session date, time, and materials

# GROW: SPRING SESSION 1 DEMONSTRATION

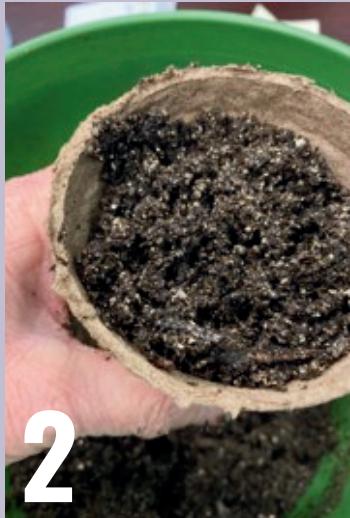
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Let's learn to: prepare media and sew seeds

For this activity: watering bottle, media, pots, seeds, grow light



1



2



3



4

1. Moisten the seed starting media. Add water in small amounts, mixing by hand or with a trowel or other implement until the media is moist. Do not oversaturate! You do not want the media to be overly wet.

2. Transfer moist seed starting media to the plant pots or trays where seeds will be started.

3. Carefully open packages of fresh seed. Either slit open like an envelope or peel back the flat. Crease the front of the seed packet to form a chute for seeds to fall down.

4. Sprinkle lettuce seed lightly over the surface of the pot or container. Alternatively, place a pinch of seeds in the center of a pot or container. Lightly cover with moist media to a depth of  $\frac{1}{4}$ ".



5



6

5. Lightly cover with moist media to a depth of  $\frac{1}{4}$ ". Gently press seeds into the media so that there is good seed-to-media contact.

6. Place under grow lights. Lightly water in seeds with the watering bottle or a gentle stream of water.



# KEEP GROWING! PICK YOUR NEXT SESSION.

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Project GROW has six modules. The first module covers basic concepts and has five sessions. It can be repeated as often as needed and is not necessarily tied to a season of the year. Four modules cover seasonal topics in five sessions each. GROW: Holiday is a bonus three-session module that can be delivered during the holiday season. It can easily be adapted to any growing zone.



**Learn:** basics of growing plants and how to start seeds  
**Time:** 5 sessions  
**Repeat:** as new participants join gardening classes



**Learn:** grow indoor plants for pleasure and enjoyment and how to propagate plants by cuttings  
**Time:** 5 sessions  
**Repeat:** 1x per year



**Learn:** cool-season edible plants and how to start vegetables and herbs indoors  
**Time:** 5 sessions  
**Repeat:** 1x per year



**Learn:** warm-season vegetables and herbs and how to grow plants outdoors in containers  
**Time:** 5 sessions  
**Repeat:** 1x per year



**Learn:** growing edibles indoors and outdoors in the fall and how to schedule plantings and protect plants in cooler months  
**Time:** 5 sessions  
**Repeat:** 1x per year



**Learn:** bonus! care of holiday plants and enjoying activities with family members  
**Time:** 3 sessions  
**Repeat:** 1x per year