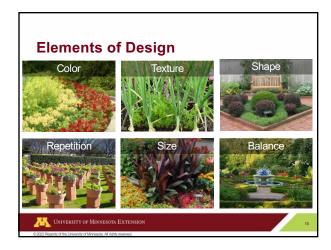




# Class Goals In this class you will learn: Garden design basics Container garden tools Plants for small garden Garden care for potted plants UNIVERSITY OF MINNESOTA EXTENSION

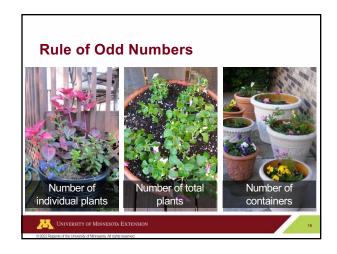






# Playing with Design Elements Formal vs Informal Conform vs Contrast Highlight vs Hide













### Containers Requirements Right size for plants Includes drainage holes Stable or anchored to prevent falls Compare different container sizes & options

Material	Pros	Cons
Plastic (\$)	<ul><li>Many designs</li><li>Light-weight</li><li>Easily available</li></ul>	Chips & cracks easily     Easy to overwater
Clay/Terra Cotta (\$\$)	<ul><li>Good air circulation</li><li>Natural look</li><li>Easily available</li></ul>	<ul><li>Heavy</li><li>Visible salt build-up</li><li>Dries out quickly</li></ul>
Ceramic (\$\$\$)	Stylish designs	<ul><li>Heavy</li><li>Poor drainage</li></ul>
Wood (\$\$)	<ul><li>Natural look</li><li>Good insulator</li></ul>	Rots Limited designs
Metal (\$\$\$)	<ul><li>Modern designs</li><li>Durable</li></ul>	Poor insulator

# Container Size Small <1 Gallon Good for: Single small plants Recommendation: Herbs Medium 1-2 gallon Good for: Clusters of small plants Recommendation: Annuals Large 3-5 gallon Good for: Clusters of small plants Recommendation: Annuals Large 3-5 gallon Good for: Large single plants OR Clusters of small plants Recommendation: Vegetables, accent garden Extra 5-15 Good for: Multiple large plants & OR Clusters of medium plants Recommendation: Vegetables, perennials UNIVERSITY OF MINISSOTA EXTENSION 25

### **Containers Tips & Tricks**

- Look for Self-Watering containers with a hidden reservoir
- Try Double-Potting to insulate containers & protect against heat
- Use Caddies to move easily move containers



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### Check out the handouts on class resource webpage for DIY recipes Potting Soil Sterilized potting medium Contain NO soil Hold water Promotes root health Includes combinations of Peat/sphagnum moss, coconut coir, rice hulls, bark, compost, vermiculite & perlite Fertilizers Water-retaining granules

### **Potting Soil Tips & Tricks**

- Hydrate soil before planting to improve water absorption
- Keep soil covered using filler plants or mulch to reduce evaporation
- Reduce disease by sanitizing pots between seasons



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### Potting Soil Myths & Facts You can't reuse potting soil Adding gravel to the bottom improves drainage soil reduces the need to water False False False False

### **Container Garden Tools**

- Gloves (Cotton, Nitrile-coated)
- Small shovel or trowel
- Hand cultivator or garden fork
- Watering tools
- Pruning shears
- Bucket
- Planter caddy



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# Support Structures Add immediately after planting Enhances design Minimize wind damage Improves air-flow Types of supports Labels Border fences Trellises Bamboo stakes Tomato cages are just the right size to help control container plants EXECUTE: TOWNESSITY OF MINNESSITE EXTENSION CALL PROPRIES OF THE PROPRIES AND ASPA BROWNES

# Section Recap Pick the right size container Choose the right container material for your garden Start with loose, moist potting soil Find small tools that fit your container garden Set-up support structures UNIVERSITY OF MINNESOTA EXTENSION



### **Growing Requirements**

- Pair similar needs
  - Light
  - Water
  - Nutrition
- Avoid competing needs

- Woody plants (trees/shrubs)

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- Size
- Space or height





### Check out the handouts on class resource webpage for Plant Recommendations Recommended Qualities Look for compact varieties - "Bush-type" - "Dwarf" - Short-vine - "Cut-and-come-again" Avoid larger plants - Long-vine - Deep taproots

### Steps 1. Choose a cloudy day 2. Position container garden 3. Fill container 2-inch below top 4. Confirm plant positions 5. Dig planting holes 6. Remove plants from pots & place into holes 7. Sow seeds 8. Add support structures 9. Water gently

# Section Recap • Know your garden conditions • Look for small-size plants • Choose plants with similar needs • Plant your garden in on an overcast day Livitestity of Minnesofa Extension 2207 Region of the Unweigh of Marcale All arigh named.





### Watering

- Water only as needed
- Check daily or twice daily
- Soil dried faster in hot, dry, or windy weather
  - Small pots dry faster than big potsClay pots dry faster than plastic pots
- Early morning watering is best
  - Apply to soil
  - Keep adding until water comes out the bottom





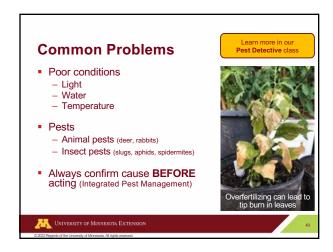
### **Fertilizers**

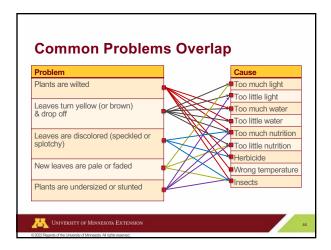
- Always follow the label
- Fertilize only as needed
- Start 2-6 weeks after planting
  - All-purpose fertilizer work well
- Methods
  - Slow-release good to start
  - Soluble for quick supplement





Pruning, Pinching, Deadheading









### Winter for Container Gardens • Enjoy until winter • When winter arrives - Sink container into the ground - Cover container in leaves/straw - Tip containers on the side - Store container in garage/shed - Move container gardens indoors Winter thaw & freeze cycles can break containers



Thank you This class was developed by members of the Ramsey County Master Gardener Volunteer Program  Visit https://www.ramseymastergardeners.org/classes to sign-up for more classes like this	
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