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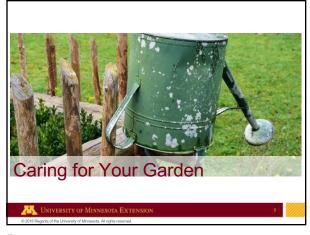
PART 3 – GARDEN CARE

- Regular care
- Pest control
- Local resources



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VISIT REGULARLY

- Make a schedule, or set a reminder
- Water as needed
- Remove weeds
- Inspect plants
 - Check for problems
 - Harvest ripe vegetables
- Take notes



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WATER AS-NEEDED

- Early morning is best
- Water deeply
- Apply to the roots;
 NOT the leaves
- Mulch around roots
- May need to water more in hot, dry weather



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WEED OFTEN

- Reduces competition for light, nutrients & water
 - Bigger vegetables
 - Faster to mature
 - Larger crop yields
- Discourages pests & diseases



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CONTROL DAMAGE

- Check often
 - Limits amount of damage
 - Prevent the spread to healthy plants
- Look for
 - Strange marks
 - Holes
 - Insect droppings (frass)



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HARVEST

- Harvest as soon as ripe
 - Check often
 - Be thorough
- Use food safety practices
 - Wash your hands
 - Wash your vegetables
- Remove overripe, brown, or dead plant material



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TAKE NOTES

- Digital or paper
- Reminders for future gardens
 - Which plants
 - Planting/harvest dates
 - Problems/solutions
 - Ideas to try



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END OF SEASON CARE

- Remove dead plant material
 - Compost healthy material at home
 - Take diseased material to Yard Waste Site
- Add organic matter to soil
- Mulch or cover soil
- Clean & store tools
- Order soil test



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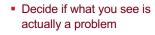
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ACCEPT IMPERFECTION

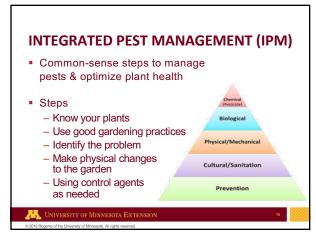
- Gardens are never perfect
 - Leaves will have holes
 - Plants will wilt
 - Flowers will die
 - Vegetables will have weird shapes





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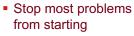
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GOOD GARDENING PRACTICES

"An ounce of prevention is worth a pound of cure"





- Good garden sanitation
- Proper plant selection
- Block pest access



COMMON PROBLEMS

- Abiotic
 - Weather, salt, pesticide drift, nutrition depletion, soil compaction
- Animal
- Voles, rabbits, woodchucks, deer
- Insect
 - Caterpillars, beetles, borers
- Fungal
 - Rust, mildews, mold
- Bacteria
- Viral



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PHYSICAL BARRIERS

- Benefits
 - Blocks animals or insects from accessing the garden
 - Can encircle individual plants or whole gardens



- Use **fences** for animal pests
- Use **row covers** for insect pests
- Use mulch for microbial pests (fungus, bacteria) & weeds







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MANUAL REMOVAL

- Benefits
 - Reduces the number of plant & insect pests
 Relieves plant stress & competition
- Recommendations
 - Remove the whole plant & as many insects as possible
 - Weed when the soil is wet
 - Squish insects or drop into soapy water



PESTICIDES

- Benefits
 - Designed for specific needs
 - Tested for effectiveness & safety
 - May be the only solution
- Recommendations
 - Know the problem
 - Use the right pesticide
 - Make sure it is safe for **edible plants**
 - Apply **exactly** according to the label



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TYPES OF PESTICIDES

Herbicide

- For plants
- Preventative or curative
- May kill vegetables



Insecticide

- For insects
- Preventative or curative
- Ingested or contact-based



Fungicide

- For fungus, mold, mildew, & rust
- Preventative only





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HOMEMADE PESTICIDES

- Supposed Benefits
 - Lower cost
 - More "natural"
- Not Recommended
 - Many not scientifically proven
 - Can cause unexpected damage to plants or soil
 - Research solutions from trusted sources



FOOD SAFETY

- Benefits
 - Reduce contamination of illness-causing microbe
- Recommendations
 - Wash hands
 - Clean & sanitize harvest tools & containers
 - Avoid harvesting produce near scat



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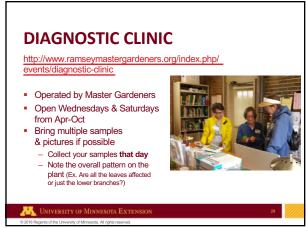


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U OF MN EXTENSION WEBSITE https://extension.umn.edu/yard-and-garden Lots of information - Common pests - Diagnosing problems - Details for growing - Tips & best practices - More resources Language University of Minnesota Exten

MASTER GARDENERS http://www.ramseymastergardeners.org/ Community members & volunteers Receive Extension education on horticultural topics Share scientific-based information with their residents Where to find Master Gardeners Educational programs Farmers Markets Yard Waste Collection Sites Fairs and other community events





RAMSEY COUNTY YARD WASTE SITES https://www.ramseycounty.us/residents/recyclingwaste/collection-sites/yard-waste State law prohibits leaves, grass clippings, brush & other plant material from being mixed with your trash Multiple locations Free to Ramsey County residents Photo ID is required Accepts leaves, grass, branches, garden refuse & Organics Recycling Compost & wood mulch available

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CLASS RECAP

- Part 3 Growing best practices
 - Regular care
 - Garden trouble-shooting
 - Finding help

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GARDEN RESOURCES

- U of MN Extension:
 - https://extension.umn.edu/yard-and-garden
- Ramsey County Diagnostic Clinic:
 - http://www.ramseymastergardeners.org/index.php/ events/diagnostic-clinic
- Ask An Expert Hotline:
 - http://www.extension.umn.edu/garden/ask/
- Ramsey County Yard Waste Sites:
 - https://www.ramseycounty.us/residents/recyclingwaste/collection-sites/vard-waste
- U of MN Soil Test Services:
 - http://soiltest.cfans.umn.edu/

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