

I am with the city of Greeley Water Department/ Water Conservation I have been with the city for 23

years

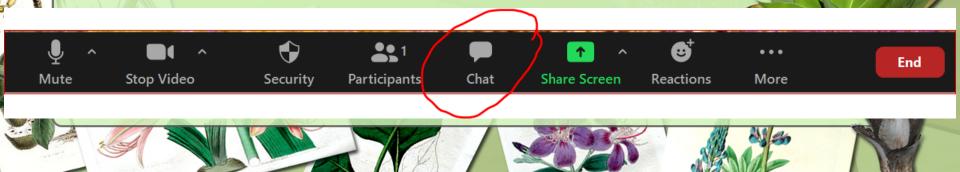
Master Gardener

Master Composter

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- Welcome to our Conservation Landscape Lecture Series-- turned webinar
- Viewers will be muted and your video will not be shown during the presentation.
- Ask your questions in the chat box You can type your questions into the chat box at the bottom of the screen and we will read the ones that fit more than one person first and if we have time, we can address some of the other more specific questions.
- If we refer to a webpage and they are not on screen, we can put them in the chat box or send them later.







- Go to our Xeric Demo Garden at 2503 Reservoir Road
- Take a photo of a fall blooming flower
- Or Fall color at the garden
- Email it to me at conserve@greeleygov.com



Benefits to Composting





- Compost added to soil enriches native soil and helps retain water in root zone
- Adds organic material
- Saves money
- Saves on fertilizing
- Enrich your soil
- Helps clay or sandy soils
- Enhances microbial activity



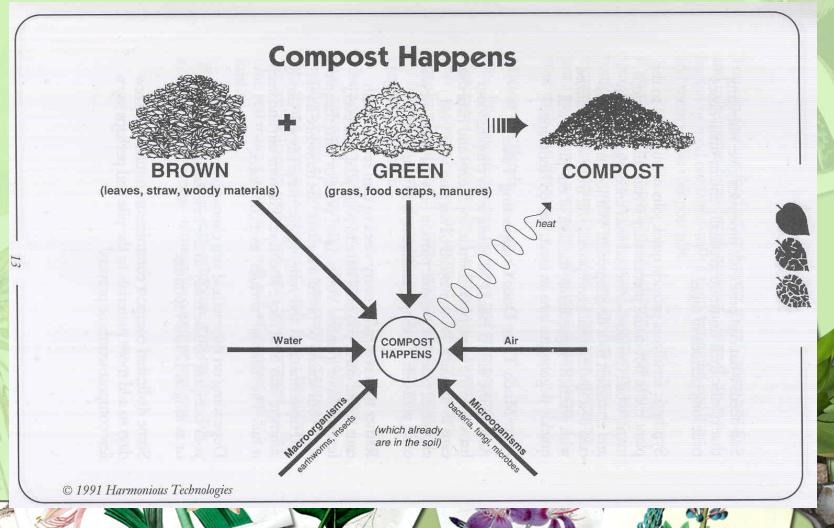


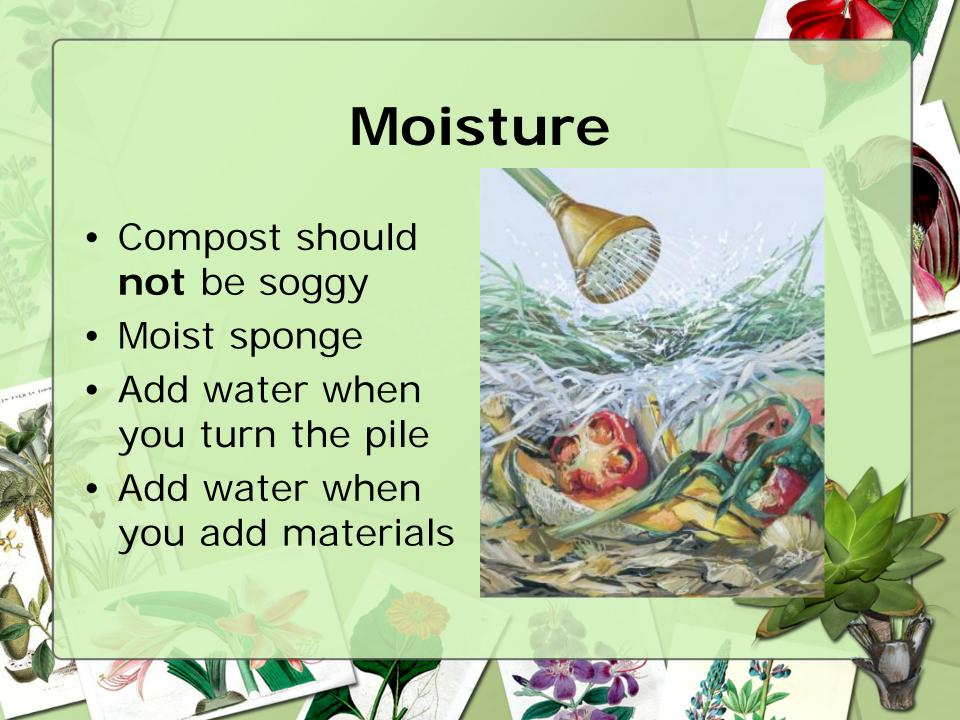
- Keep precious resources out of the landfill
- Ultimate recycling
- Grow healthier /stronger plants and soil
- Helps reduce erosion
- Helps soils sequester CO₂
- Exercise
- Fun





Compost





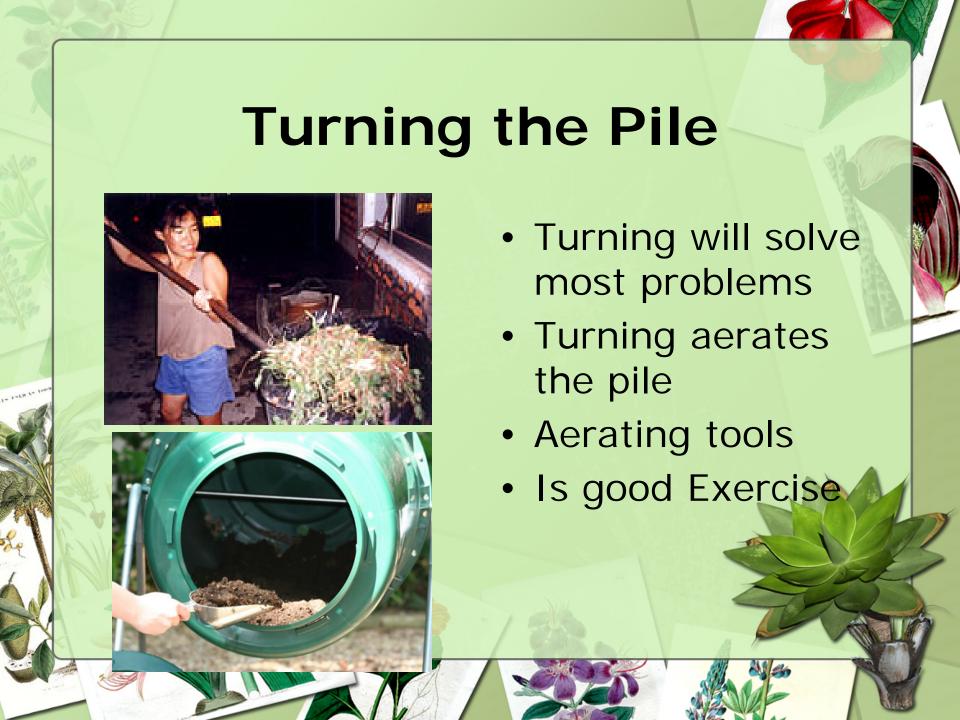


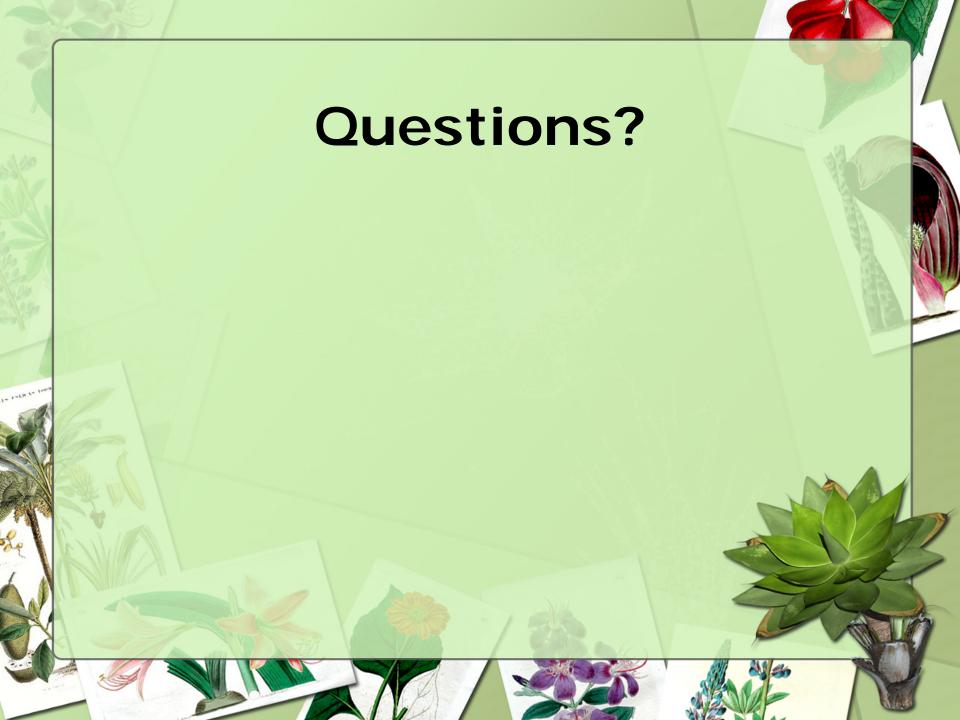


- Heat is a good indicator of the composting process
- Temperatures over 105° kill pathogens
- Temperatures over 131° kill human pathogens
- Temperatures over 145° kill most weed seeds
- As active composting slows, temp drop below 100°

Temperature Thermophilic Range Temperature (°F) Mesophilic Range Composting time (days)









Site Selection

- Choose a site that is convenient
- Near the garden or kitchen
- Not in a drainage way
- Out of site
- Out of wind
- In the shade





- Combination of art & science
- Browns Carbon (C)
- + Greens Nitrogen (N)
- +Oxygen (0_2)
- +Water (H₂0)
- =Compost
- Average C: N ratio
 - 25:1 to 30:1





Carbon:Nitrogen

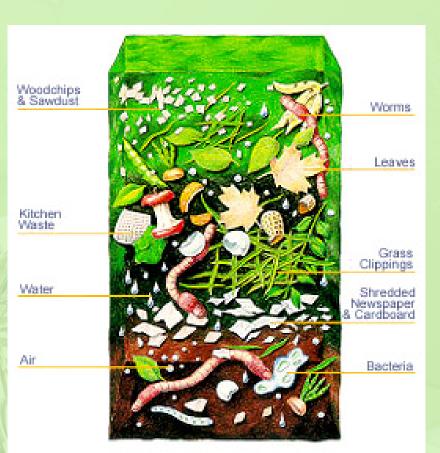
BROWNS

- Leaves (fall)
- Straw
- Wood (limited)
- Corn cobs, silage
- Paper (shredded)
- Cardboard, egg
 cartons

GREENS

- Grass clippings
- Green leaves
- Manures (vegetarian)
- Most kitchen scraps
- Garden scraps/greens
- Weeds/plants
- Coffee/tea grounds





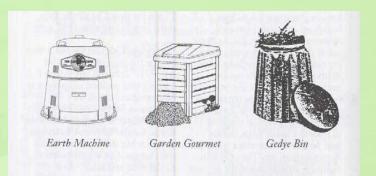
- Layer your browns and greens
- Add water
- Mix
- Let it do its thing

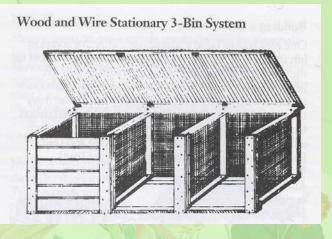




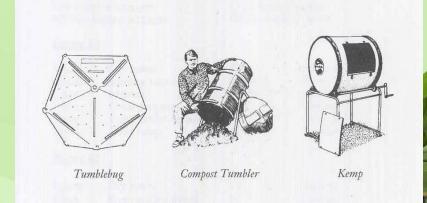


Bins and Systems









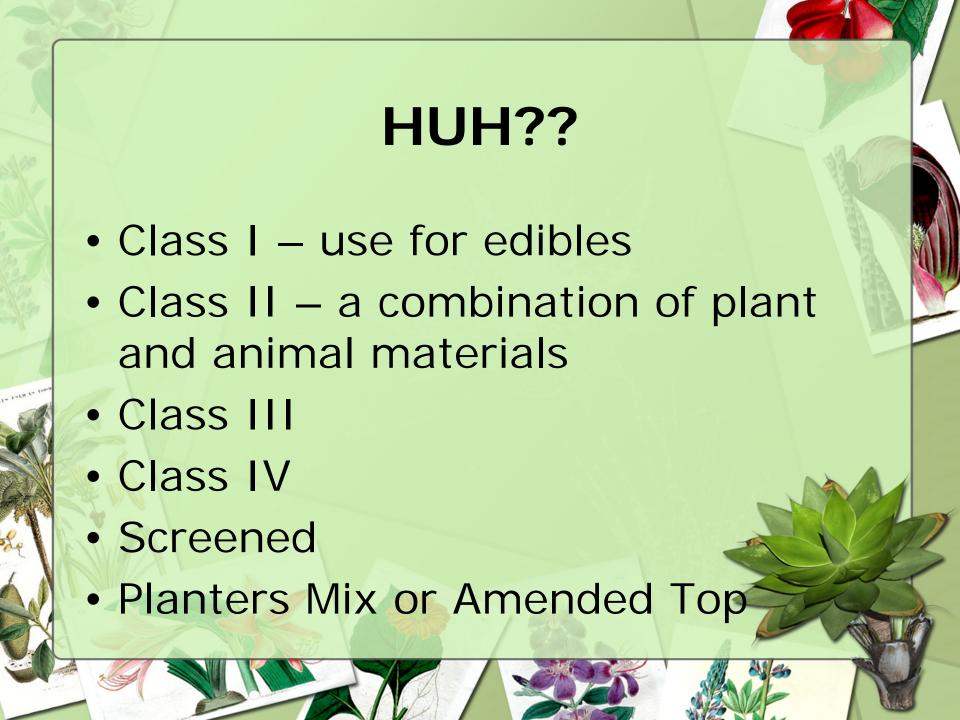






- One-time applications
 e.g. new lawns
- Annually vegie and annual beds gardens

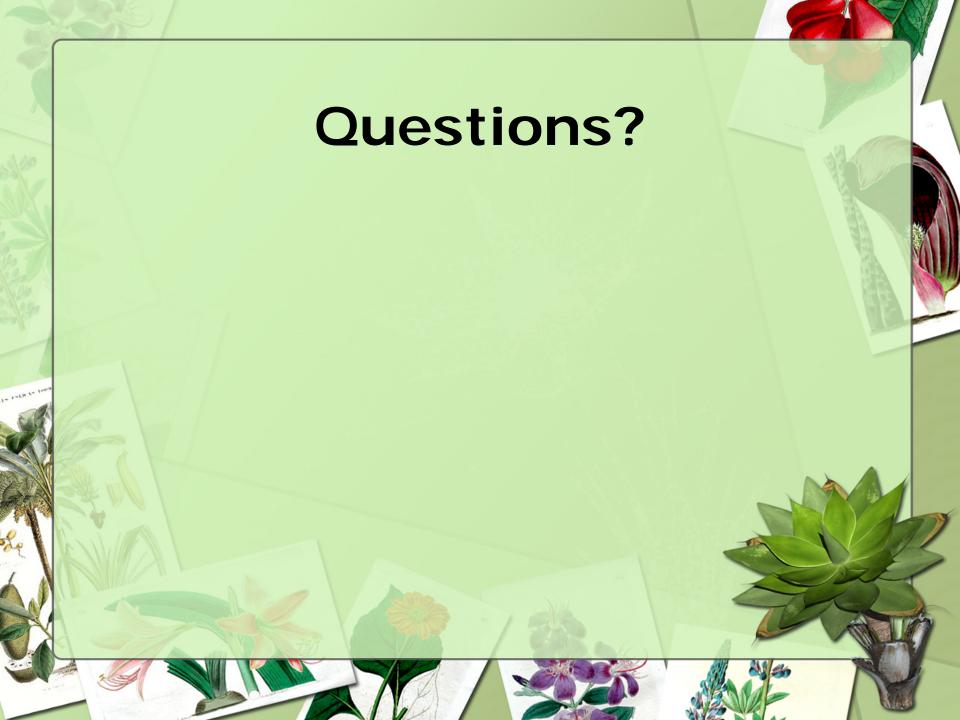
- Top dressing
- Planting holes for trees, shrubs and perennials
- House plants



Troubleshooting

- Compost smells
- Center is dry and not composting
- Outside is dry
- Animals are getting in the pile
- Temperature isn't getting warmer
- Compost isn't breaking down

- Lack of O₂ or too much water
- Need to add water
- Need to add water
- May need an enclosed bin or to bury new food deeper (meat?)
- May need to add some nitrogen (grass/manure)
- May need to turn it more often, water or cut things smaller





- Vermiculture
- Furrow composting
- Grasscycling
- Mulching
- Or use the city's GROW Reclycling Center on east 8th Street





Vermiculture

- Good for apartments, townhouses etc.
- Good for composting in the cold weather
- Earthworm castings are valuable
- Kids love it!



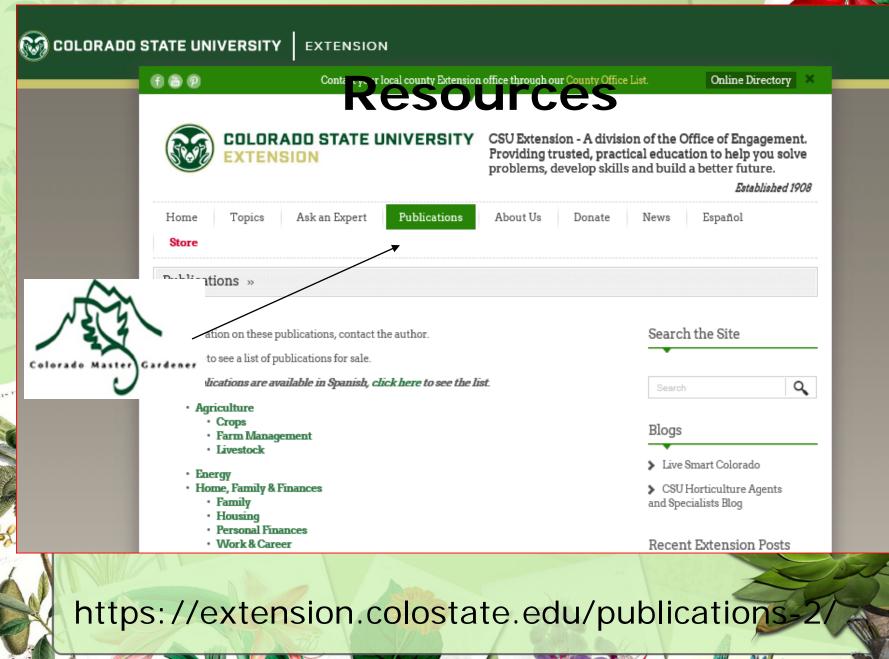




- Dig kitchen waste right into garden
- Grass clippings
- Fall leaves
- This is the method of commercial composters







Yard Waste

- GROW Recylcing Center
- Leaves
- Branches
- Grass clippings
- Clean Lumber
- 1130 E. 8th St
- http://greeleygov.co m/services/recycling



Common Good Compost

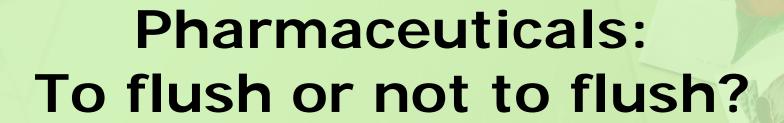


- Home composting service
- https://www.commong oodcompost.org/
- Local 970-308-7508
- CommonGoodCompost
 @gmail.com
- FREE finished compost

What should I do with Household Hazardous Waste?

- Batteries
- Old paint/stain
- Oil/gasoline/antifreeze
- Pesticides/poison
- CFL light bulbs
- Weldgov.com

- 1311 N. 17th Ave
 - Greeley
 - Open Tue & Sat8am-5pm
 - DACONO
 FACILITY
 TEMPORARILY
 CLOSED
 - Product reuse



- Saturday, Oct 24th
 - Greeley Police Dept.
 - UNC
 - Sam's Club Evans

- Drug take-back day
- Cannot accept
 - Needles
 - Mercury
 - Chemo drugs
 - Illicit drugs

http://greeleycalendar.com





