

Janet Moreland

Recycling Specialist, Department of Waste Resources

Janet Moreland is a Recycling Specialist at Riverside County Waste Resources (1998 to present). Bachelor of Science in Business Administration 1985, Certified Master Composter and avid recycler that strives to make Riverside County a clean healthy home.



Green Cleaning

Welcome!

The presentation will begin soon.

Please use the Q & A section for questions during the presentation.



Waste Programs

Not all waste has its own container.

There are special programs to manage waste that should be collected separately and diverted away from the landfill.

Get more information at www.rcwaste.org

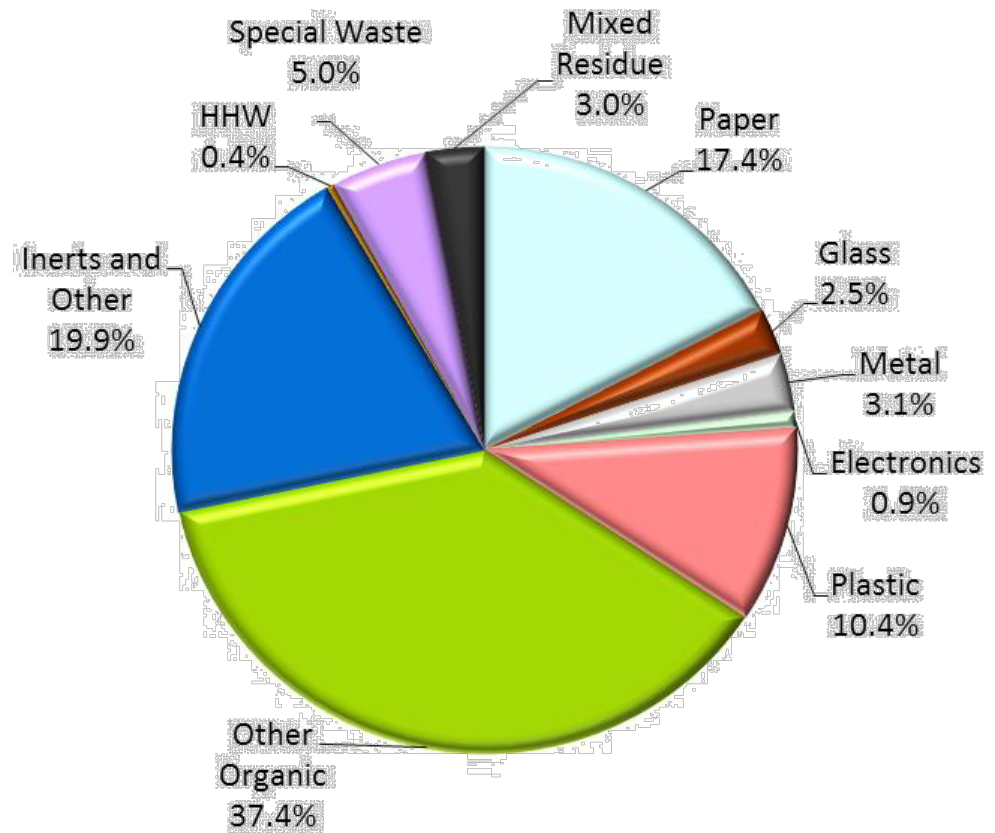


Solid Waste

Our garbage can is full of “waste” only when it is unwanted and unusable by the household.

When many of these items are separated into individual categories, they are treasures or “resources” that can be reused or recycled into new products.

The decision whether to waste our resources or to reuse and recycle them is up to us.



Waste Characterization Study;
CalRecycle

What is Green Cleaning?



Using cleaning methods and products with environmentally friendly ingredients and procedures which are designed to preserve human health and environmental quality.

Cleaning Products

When you think of household cleaning products, what comes to mind?



Household Hazardous Waste

- Cleaning products, if mishandled, can be dangerous to your health and the environment
- Leftover or unwanted portions of these products are considered Household Hazardous Waste (HHW)



Product Labels

- Precautionary Statement
- Caution/Warning, Danger/Poison
- Physical and Chemical Hazard

Become a label reader

Look for key words on labels and choose the least hazardous product.

Less toxic	Caution	mild/moderate
↑	Warning	moderate hazard
	Danger	extremely flammable, corrosive or highly toxic
More toxic	Poison	highly toxic

Source: Minnesota Pollution Control Agency

is an effective bactericide, virucide, tuberculocide, and fungicide in the presence of organic soil (5% blood serum).

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. **FIRST AID: If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. If present, remove contact lenses after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. **PHYSICAL OR CHEMICAL HAZARDS:** Do not use this product with ammonia or acids such as vinegar, rust removers or toilet bowl cleaners. This product is not intended for use on fabrics.

STORAGE AND DISPOSAL: Store this product in a cool, dry area away from direct sunlight and heat. Refillable container. Refill empty DISPATCH spray container only from DISPATCH refill bottle. Cleaning before refilling is the responsibility of the refiller. Take care to update expiration date on refillable bottle and replace bottle if it becomes worn or damaged. Do not reuse this container for any other purpose. Rinse container with water prior to disposal. Cleaning the container before final disposal is the responsibility of the person disposing of the container. When discarding container, place in trash collection or take to recycling center. Do not contaminate water, food or feed by storage and disposal.

Why use Green Cleaning Products?

- Safer
- Reduce HHW
- Save money



Ingredients

Make your own
green cleaning products!



Starter Cleaning Kit:

Basic cost of starter kit is about \$13

- Baking Soda
- Borax
- Distilled water
- Isopropyl Rubbing Alcohol (70%)
- Distilled White Vinegar

Expanded Cleaning Kit:

- Castile Soap
- Essential Oils (eucalyptus, lavender, lemon, peppermint, spearmint, tea tree, etc.)
- Fels-Naptha or other bar soap
- Hydrogen Peroxide
- Lemon Juice
- Washing Soda

Alternative Use Products



Salt

- Ideal for scouring



Hydrogen Peroxide

- Disinfectant
- Substitute for bleach



Toothpaste

- Mild abrasive
- Cleans tarnished silver



Club Soda

- Stain remover
- Shines stainless steel sinks



Ketchup

- Removes tarnish from copper and brass



Baking Soda

- Eliminates odors
- Soft abrasive



Lemons

- Stain removal from cutting boards



Cornstarch

- Cleans grease spills on carpet



Rubbing Alcohol

- Disinfectant

All Purpose Cleaner



Replace with

Ingredients:

- 1 cup distilled white vinegar
- 1 cup distilled or filtered water

Optional:

- 10 drops of lemon essential oil
- 10 drops of lavender essential oil

Toilet Bomb Cleaner



Ingredients:

- 1 cup of baking soda
- 1/4 cup of citric acid powder
- 1/8 cup of Borax (or 2 Tbsp.)
- Distilled water

Optional:

- 30 drops of essential oils

GREEN GARDENING RECIPES



Safer Herbicides

DRENCH WITH BOILING WATER

Boil water and pour on weeds. Be careful when handling boiling water to make sure it doesn't splash on anyone.

This may kill beneficial insects in the soil, but it will not leave any residue and the area will recover quickly.

DISTILLED WHITE VINEGAR

Household white distilled vinegar can be applied by spraying full strength onto the leaves of the weeds, saturate well, being careful to minimize any overspray on garden plants and nearby soil.

Repeated applications may be necessary, and the addition of a little liquid dish detergent (1 teaspoon per 16 oz. of vinegar) may improve the effectiveness of this homemade herbicide by helping it adhere to the leaf surfaces.

BORAX

1/8 cup powdered borax
1 quart water

Mix thoroughly and use a sprayer to coat the leaves of weeds.

SALT AND VINEGAR

1 cup salt (table salt or rock salt)
1 gallon white vinegar
2 teaspoons liquid soap (optional)

Mix and spray mixture directly on the foliage of weeds. The liquid soap can help the efficacy of this weed killer.

Use this in areas where you don't want anything to grow, like sidewalks and driveways, because salt will make the soil infertile.

GREEN GARDENING RECIPES



Safer Insecticides



OIL SPRAY INSECTICIDE

1 cup of vegetable oil

1 tablespoon of liquid soap (such as Castile or liquid dish soap)

Mix and shake thoroughly to make a concentrate.

Add 2 teaspoons of the oil spray mix concentrate to 1 quart of water, shake thoroughly, and spray directly on the surfaces of the plants which are affected by pests.

Repeat daily until infestation is gone.

SOAPY SPRAY INSECTICIDE

1/2 teaspoon of a mild liquid soap (such as Castile or dish wash liquid soap)

1 quart of water

Mix and spray mixture directly on the infected surfaces of the plants.

Repeat daily until infestation is gone.

CHILI PEPPER INSECT DETERRENT SPRAY

1 tablespoon of chili powder (like Cayenne pepper)

1 quart of water

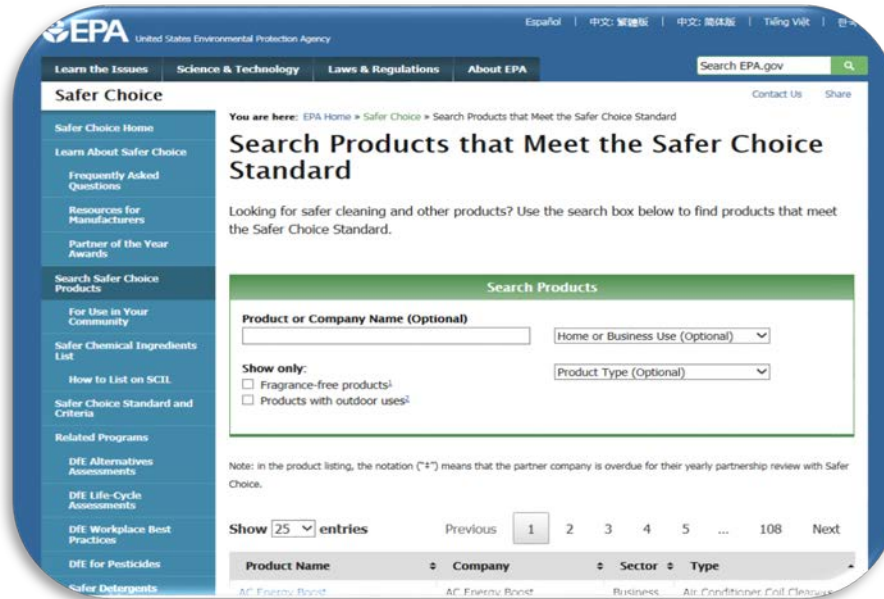
Several drops of mild liquid soap.

Mix together and let sit overnight, then strain through a coffee filter before pouring into a spray bottle.

Spray on affected areas.

Keep pepper spray away from eyes and skin.

EPA Website



Identify and select products with safer chemical ingredients, without sacrificing quality or performance.

Online Resources



During the COVID pandemic - classes are available as LIVE virtual classes or ON DEMAND - all for FREE!

www.rcwaste.org/classes



Composting

VIRTUAL & ON DEMAND



Vermicomposting

VIRTUAL & ON DEMAND



Garden Talks

with UCCE

VIRTUAL



Green Home Series

Green Cleaning Green Gardening

VIRTUAL & ON DEMAND



ON DEMAND

CLASS LIBRARY

Additional Resources

Websites

- Riverside County Department of Waste Resources: www.rcwaste.org
- Alberta Canada – One Simple Act:
<https://www.landstewardship.org/resources/agency/95/>
- U.S. EPA: www.epa.gov/saferchoice - Safer Choice helps consumers, businesses, and purchasers find products that perform well and are safer for human health and the environment.
- There are many other resources for additional green cleaning recipes and variations for recipes on the internet.

Books

- *The Naturally Clean Home: 150 Super-Easy Herbal Formulas for Green Cleaning*, by Karyn Siegel Maier

Thank you for being part of the solution



Follow us on:



Give us your feedback:

www.rcwaste.org/report/feedback

(951) 486-3200

www.rcwaste.org