



Organics "By Gosh"

COMPOST: AGED TO PERFECTION

Close the Loop & Keep It Local



Organics "By Gosh"



Organics “By Gosh” is in partnership with local organizations, to build reproducible organic diversion systems *empowering* communities to maximize reuse of *organic* materials, keep resources *local*, and create *healthy* environments for future generations.



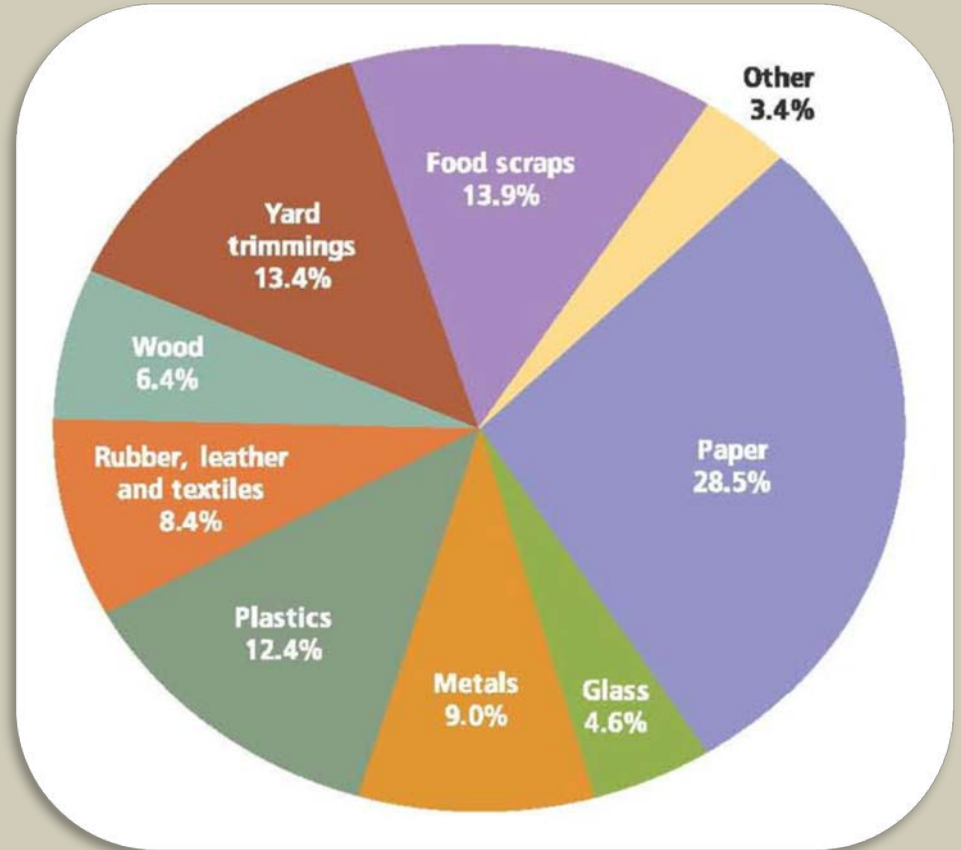
Organics “By Gosh”

Wasted Food is a **BIG** Challenge

- In the United States, **30-40%** of our food supply becomes waste

Food Waste is...

- The second largest component of landfills
- A significant source of methane gas emissions



EPA & UN: 50% Food Waste Reduction by 2030

September 17, 2015

Government Agencies Call for Reducing U.S. Food Waste By 2030



United States Department of Agriculture

Office of Communications
1400 Independence Ave, SW
Washington, DC 20250-1300
(202) 720-4623
oc.news@usda.gov
www.usda.gov

News Release

Release No. 0257.15

USDA and EPA officials announced yesterday the nation's first food waste reduction goals. According to experts and public health researchers from the Johns Hopkins Center for a Livable Future, the goals are ambitious and signal a will among individuals and government to fix a broken system. This will ultimately save money and resources. The goals call for a 50 percent reduction in food waste in the U.S. by 2030.

Currently, the U.S. wastes up to 40% of the post-harvest food supply, costing approximately \$161.6 billion. Wasting food results in unnecessary environmental contamination and air pollution. For example, in North America and Oceania, we waste 100 million tons of food annually. Cutting that in half would be like pulling nearly 10 million Americans out of poverty. Americans is food insecure.

"The USDA and EPA's historic decision to call for a 50 percent reduction in food waste by 2030 is a landmark achievement," said Dr. S. Sothmann, PhD, director of the Center's Food System Studies Program at the Bloomberg School of Public Health. San Francisco has a goal of zero waste by 2020. In the UK, waste was reduced by only five years.

Food loss and waste is single largest component of disposed U.S. municipal solid waste, and accounts for a significant portion of U.S. methane emissions. Landfills are the third largest source of methane in the United States. Furthermore, experts have projected that reducing food losses by just 15 percent would provide enough food for more than 25 million Americans every year, helping to sharply reduce incidences of food insecurity for millions.

"Let's feed people, not landfills. By reducing wasted food in landfills, we cut harmful methane emissions that fuel climate change, conserve our natural resources, and protect our planet for future generations" said EPA Administrator Gina McCarthy. "Today's announcement presents a major environmental, social and public health opportunity for the U.S., and we're proud to be part of a national effort to reduce the food that goes into landfills."

The USDA and EPA food waste reduction goals announcement comes one week before the United Nations Sustainable Development Summit, which will address a range of issues including ensuring sustainable production and consumption patterns to ending hunger and achieving food security, and will promote a global goal to reduce food waste by 50%.



Organics "By Gosh"

What is Organics Recycling?

Diverting Organic Material (*wasted food, yard trimmings, leaves, tree brush, paper, and cardboard*) **from the Landfill** and **Creating compost, mulch and soil blends** to return to local soil

IF IT GROWS, IT GOES!



Organics "By Gosh"

Local Resources, Processed Locally, Create Nutrient Rich Products to Go Back to Local Environment



Organics "By Gosh"

Composting using Nature's Model



Organics "By Gosh" composts material up to 12 months.

- ❖ Carbon and Nitrogen Resources
- ❖ Diverse biological processes
- ❖ Varied Time



- ❖ Rich, healthy soil
- ❖ Increased water quality
- ❖ Increased water volume



A dense, lush forest!



Organics "By Gosh"

Compost is a High Value Resource for the Soil

- **Soil is the Skin of the Earth**
- **Compost acts as a salve to heal & restore damaged soil**
- **Conserves Water**
 - Adding 1% of organics saves up to 16,500 gallons/acre
- **Purifies Water**
- **Breaks up clay soil**
- **Natural Fertilizer**
- **Macro/Micro Nutrients**
- **Reduces Erosion**



Organics "By Gosh"

Is Too Much Compost Possible?!

- Types of Compost
 - Dillo Dirt - Biosolids Compost
 - Triple Power Sustainable Compost
 - Forrest Floor Compost
 - Compost with Manure
- What to Use When and For What
- Situations Requiring Higher Organic Matter
- Does nutgrass come with compost?



Thoughts on Soil Amendments

- Recommendations
- Purpose
- What to Avoid
- Mycorrhizae Products
- Can Soil pH be changed
- Gypsum Benefits
 - Can I use leftover drywall on a job and incorporate into soil?



Native Plants

- Best Growing Media for
 - Landscape
 - Raised Bed
- Can you plant in road base?
- Is road base the same as limestone?



Slopes & Trails

- Crushed Granite vs Granite Sand
- Rock vs Mulch
- Size to avoid wash away with rainfall
- Best for Trails
- Additive to stabilize walking area with slope



Drainage Increase

- Compost?
- Sand
- Expanded Shale?
- Ratio for Clay Soil



Heavy Usage Areas – People & Pets

- Mulch
- Pea Gravel
- River Rock
- Crushed Granite
 - Tracks in on shoes and paws
- Glass Mulch



Organics "By Gosh"

Materials Delivery

- Identify Area
- Truck Size
 - 18 Yd vs 24 Yd
 - Gate entrance – size limitation
 - Space to back and turn around
- Cover with Tarp to Transport
- Drop Cloth – personal preference
- Super Sac for Rooftops delivery



Organics "By Gosh"

Bulk and Bagged Materials

- Sports Turf
- Soil Mixes
- Turf Renovation
- Mulch
- Tree and Shrub
- Top Dressing
- Planter Mixes
- Container Mixes
- Soil Amendments
- New Seedling Establishments
- Erosion Control and Storm Water Management
- Agriculture Soil Amendments



Organics "By Gosh"

Local Landscapes Using Our Products



*SOUTHPARK
MEADOWS*



THE DOMAIN





Work with us to create a synergistic environment and close the loop locally by recycling organics to produce products that return to soil and improve water creating and nurturing local sustainability by “Gosh”.



Organics “By Gosh”

Thanks for Your Time

For more information, contact:

Phil Gosh

512-844-8648

phil@organicsbygosh.com



Organics "By Gosh"