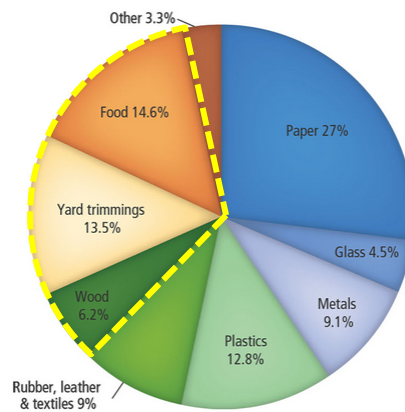


Starting An Organics Diversion Program

From The Ground Up



Why divert organics?



Source: EPA, *Advancing Sustainable Materials Management: Facts and Figures, 2013*

Avoided:

- Tip fee
- Landfill problems:
 - Methane generation
 - Subsidence
 - Leachate production
- Transportation costs



Recover value

- Retain water
- Control erosion
- Improve soil
- Reduce pesticide and fertilizer use
- Improve roadways / paths



Before



After



To compost or not to compost?

Mulch

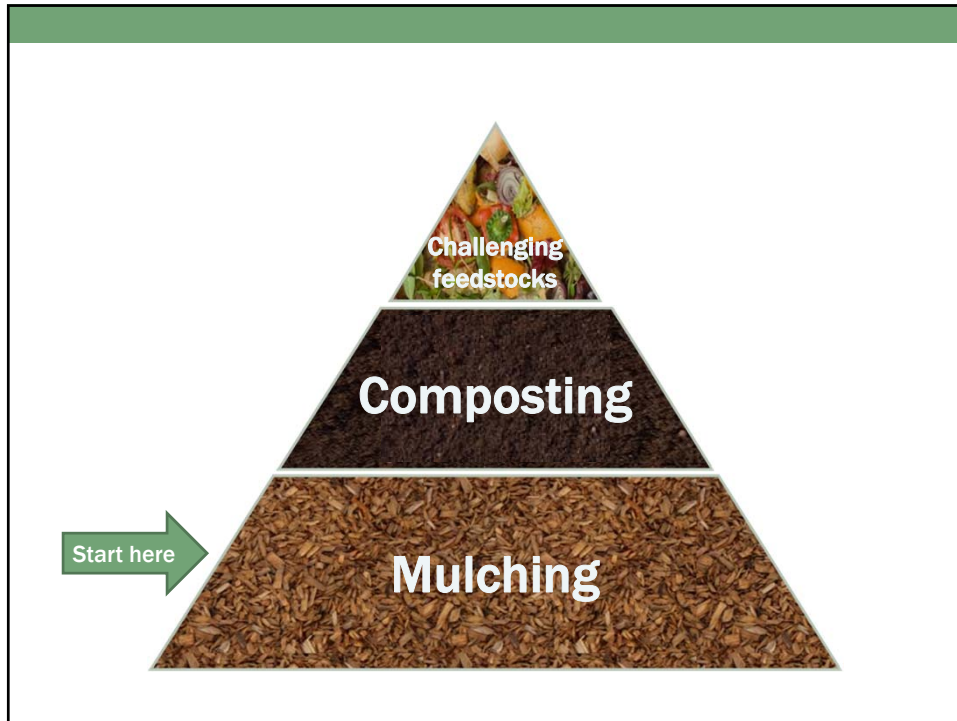
- Size reduction only



Compost

- Created through a controlled biological process
- Requires sources of carbon, nitrogen, water, air
- Takes time





What do you need to start mulching?

- A plan
- A source
- Space
- Equipment
 - Loader
 - Chipper or grinder
- A market



Sources of green waste

- Tribal staff, projects
- Landscapers
- Residents

Contamination
may increase



Chipper or grinder?



	Chipper	Grinder
Capacity	Low	High
Capital cost	Low	High
Mobility	More	Less
Maintenance	High	High

Once mulching is going well:

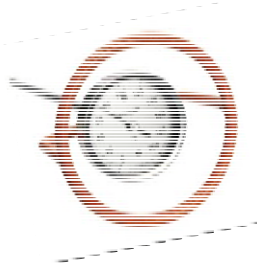


What do you need to move to composting?



What do you need to move to composting?

- More equipment
 - More time
 - More space
 - More water
- = More value**



Biosolids		Compost	
Year	Volume	Year	Volume
2007	1,000,000	2007	1,000,000
2008	1,000,000	2008	1,000,000
2009	1,000,000	2009	1,000,000
2010	1,000,000	2010	1,000,000
2011	1,000,000	2011	1,000,000
2012	1,000,000	2012	1,000,000
2013	1,000,000	2013	1,000,000
2014	1,000,000	2014	1,000,000
2015	1,000,000	2015	1,000,000
2016	1,000,000	2016	1,000,000
2017	1,000,000	2017	1,000,000
2018	1,000,000	2018	1,000,000
2019	1,000,000	2019	1,000,000
2020	1,000,000	2020	1,000,000



What's next?



Markets

- Find them ***before*** diverting organic waste
- Ask what specs they need / concerns they have
- Stay local



Potential Markets

- **Parks & Recreation Dept.**
 - Around trees: Water conservation
 - Erosion control
- **Beautification projects**
 - NM Clean & Beautiful
 - Keep [your city here] Beautiful
 - Tree New Mexico
- **Roadside reclamation**
- **School districts**
- **Cemeteries**

Potential Markets

- **Federal agencies: Forest Service, BLM**
 - Range land reclamation
 - Post-fire restoration
- **State parks**
- **Landfill closure**
- **Mine reclamation**
- **Golf courses**
 - Compost only or compost, sand mixtures
- **Bioremediation projects**

Potential Markets

- **NMDOT District Engineers**
 - Roadside erosion prevention



Potential Markets

- **Tree & shrub nurseries**
 - Propagation mixes
 - Mulch to stand new trees
- **Landscaping companies**
- **Homeowners**
- **Local farmers**
 - “Organically grown” farmers

Resources

- **NMED Compost Facility Operator Certification Class**
 - Held in April and October each year





NR425-34

On-Farm Composting Handbook

Plant and Life Sciences Publishing (PLS)
Cooperative Extension

Available at www.nraes.org

NMED Solid Waste Bureau website

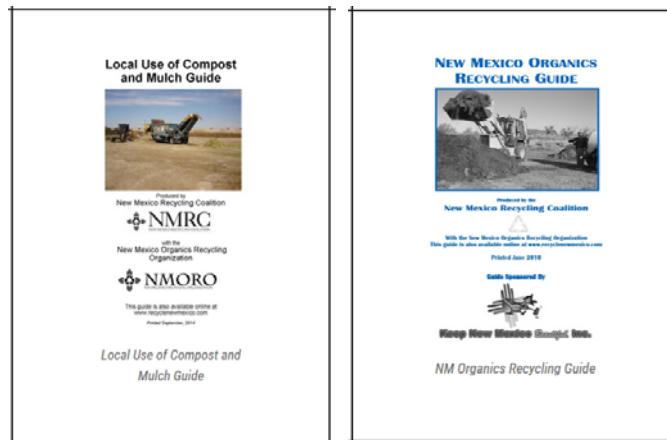


<https://www.env.nm.gov/swb/compostingmulch.htm>



<http://www.recyclenewmexico.com/>

- Sarah Pierpont, Executive Director
- 575-224-2630
- PO Box 24364, Santa Fe, NM 87502



<http://www.recyclenewmexico.com/resources/>

NM Organics Recycling Organization (NMORO)

- <http://www.recyclenewmexico.com/nmoro/>
- nmorganicsrecycling@gmail.com
- Facebook page, Google Group
- Walter Dods, president
- Projects Include:
 - Erosion control training
 - Organics diversion grant opportunities
 - Organics tracks/tour at NMRC/SWANA Joint Conference (Sept. 27-28)
 - Available for in-the-field assistance

Questions?

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