



WHAT ARE PA
MUSHROOMS?

WHO ARE WE?



Composters

Growers

Fresh Packers

Electricians

Plumbers

Mechanics

IT Support

Lawyers

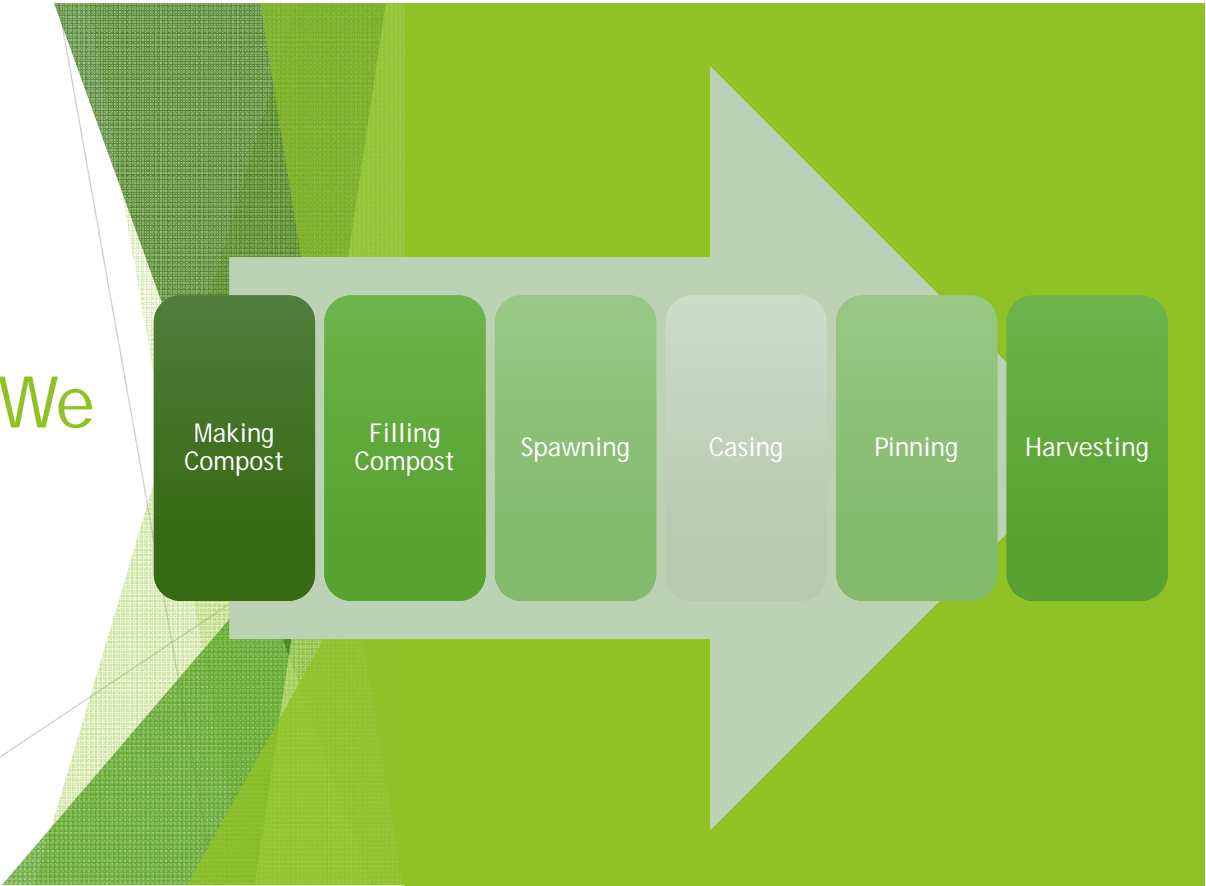
CPAs

Accountants

Researchers



How Do We Do It?



MUSHROOM FARMS RECYCLE

Mushroom farmers help keep more than 230,000 acres of PA farmland in production.



SUBSTRATE PRODUCTION (Phase I) Wheat straw and hay, previously harvested and used in agricultural operations, (such as stable bedding from horse farms) is transferred to mushroom farms and placed on a wharf (concrete slab). It will be mixed and turned over several days as it decomposes.



COMPOST APPLICATION Compost can be re-applied to agricultural fields as well as mine reclamation projects, green roofs, storm water management basins, wetland material, greenhouses/nurseries, highway site remediation, erosion control and home gardens.



COMPOST is steamed, emptied and trucked away from the mushroom houses.



CASING/PINNING Peat moss is mixed with limestone and water and spread over the substrate. Small mushrooms (pins) push up and emerge through the peat moss.



CROPPING Mushrooms are harvested over several breaks or flushes. One break can last for six to eight days. Mushrooms are hand-picked, packed, refrigerated and sent to markets.

MUSHROOM HOUSE (Phase II)

Substrate is moved into mushroom houses, placed on beds and pasteurized. Mushroom spawn (seed) is then dug into the beds. With warm temperatures (75°F), the spawn will grow into thread like strands called mycelium.



We Are
Sustainability

Composting- Using Others Farmers' Waste



- ▶ Mulch Hay and Straw
- ▶ Straw Bedded Horse Manure
- ▶ Cocoa Hulls
- ▶ Corn Cobs
- ▶ Cotton Seed Hulls
- ▶ Chicken Litter





Filling Compost
into Mushroom
Double





Spawning (Planting
the Seed)



Casing (Peat
Moss, Limestone
& Water)





Pinning
(Mushrooms form above the surface)



Harvesting



16% Decrease of Farms in PA



2% Loss of
Production
in US

Decline of Detroit Due to Loss of Automobile Industry

61% Loss of population from 1950 to 2010

More than half of Detroit property owners did not pay taxes, at a loss to the city of \$131 million (equal to 12% of the city's general fund budget)**

1950-2010

2012

*Seelye, Katherine Q. (March 22, 2011). [Detroit's Crisis: A Population Like No Other](#). The New York Times. **The Detroit News. February 21, 2013.



Come Check
Us Out!