



High-Volume In-Vessel Composting

For cut flower farms



little farmhouse flowers



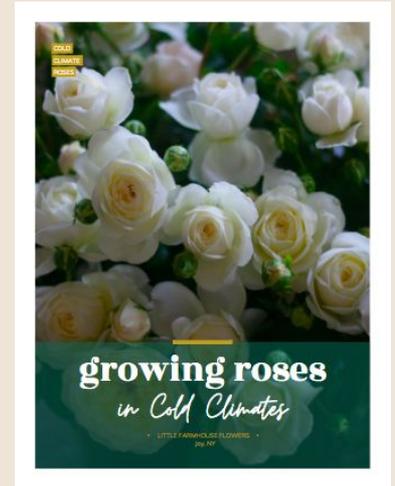
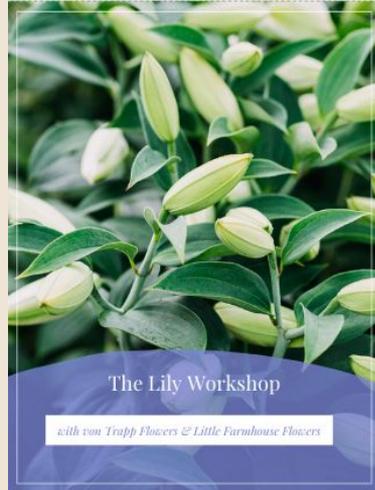


little farmhouse flowers

2.5 acre cut flower farm in the
northern Adirondacks



OUR PROGRAMS



THE TULIP WORKSHOP



Compost for Good

To help Adirondack communities turn food and other organic “wastes” into high quality compost. This process keeps nutrients in the community and out of our waterways, building local resilience, healing soils, and reducing greenhouse gas emissions.

THE PROBLEMS:

- Our consumption of peat-based mediums
- Rising cost of compressed soilless mix
- Global fertilizer shortage
- Mismanaged on-site windrow composting
- Food waste composting is not readily available in our area
- Food waste composting will soon be mandatory





40%

of food in the U.S. is not consumed

GOALS



ELIMINATE PEAT



FOOD WASTE DIVERSION



FIELD AMENDMENT



PLANTING MEDIUM



LOWER CARBON FOOTPRINT



KEEP \$ HERE

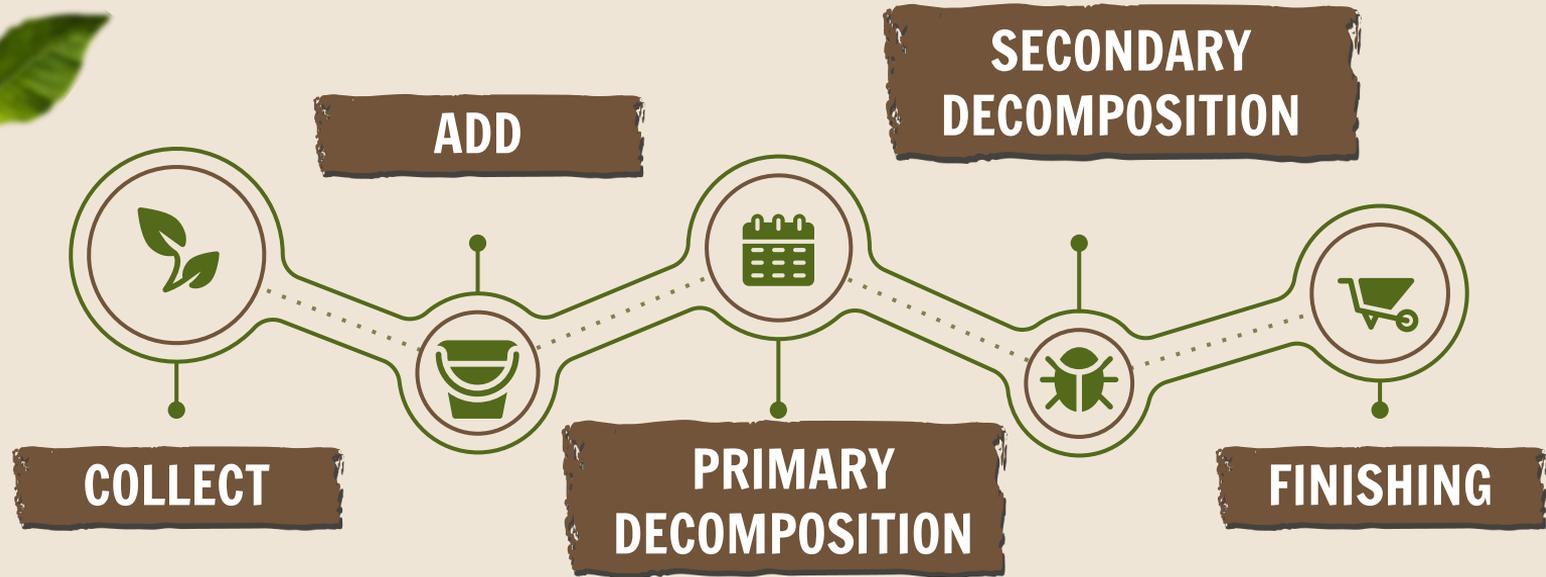


OUR SOLUTION:

High-Volume In-Vessel Composter

Our set-up

PROCESS





TEMPERATURES

TOO COLD

Less than 131F
(55C)

JUST RIGHT

131F (55C) for at
least 3
consecutive days



TOO HOT

Greater than 158F
(70C)



ACTIUM RESOURCES COMPOSTERS



BATCH

4ft diameter. 5ft long
55 cubic ft
350lb capacity per week



CLASSIC

4ft diameter. 20ft long.
250 cubic ft
1500lb capacity per week.



GRANDE

6ft diameter. 20ft long.
450 cubic ft
5000lb capacity per week



OPEN SOURCE PLANS

From Compost for Good

TOTAL COST: \$35k

\$14k

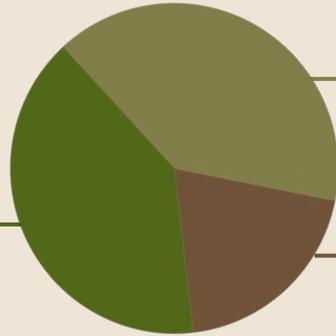
COST TO US

\$14k

PPI GRANT

\$7k

FUNDRAISING



ANNUAL COST OF BUYING COMPOST & SOILLESS MIX

\$6k

CRATE PLANTING

\$2k

SEED STARTING

\$4k

COMPOST / COMPOST MULCH

= \$12k



Pollution Prevention Institute

“Gives Empire State businesses, communities, and nonprofits the practical tools and solutions they need to realize the benefits of sustainability for our economy, environment, and our society as a whole.” Budget: \$4 million





RESOURCES:

WEBSITES:

- [Compost for Good](#)
- New York State: [The Pollution Prevention Institute](#)
- [Actium Resources](#)

DOCUMENTS / STUDIES:

- [US Geological Survey: Mineral Commodity Studies 2022: Peat](#)
 - [Compost for Good Open Source Plans](#)
 - [Society for Applied Microbiology: “Temperature effect on *Fusarium Oxysporum f.sp. Melonis* during horticultural waste composting”](#)
 - [National Center for Appropriate Technology: ATTRA Sustainable Agriculture Tip Sheet: Compost](#)
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THANK YOU

questions?

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