

Composting AI mortalities



Zoe McManama Bureau of Waste and Materials Management WI DNR



Mission: Deactivate the HPAI

Method:

Create compost windrows, get average pile temps up over 130°F



Two scenarios

- Farms constructed own piles with no supervision or assistance

- Farms assisted by subject matter experts/regulators

- Layer barn layout not conducive to inbarn composting
- Compost piles built in manure barn and outside

DEPT. OF NATURA



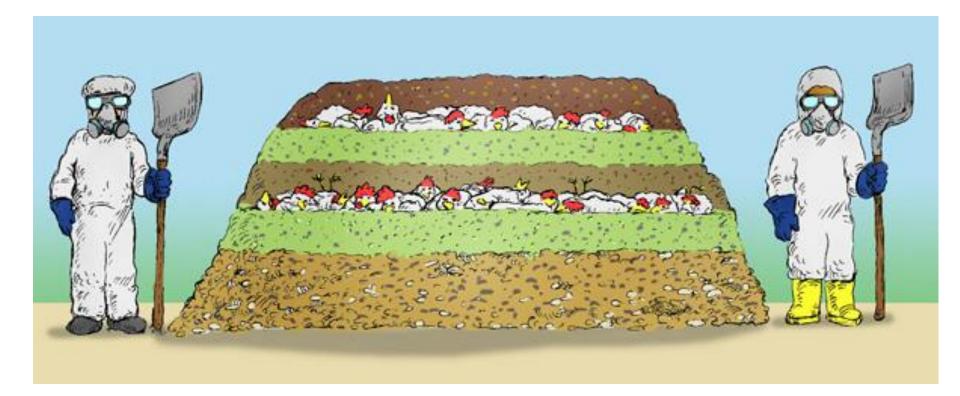


Construction of piles

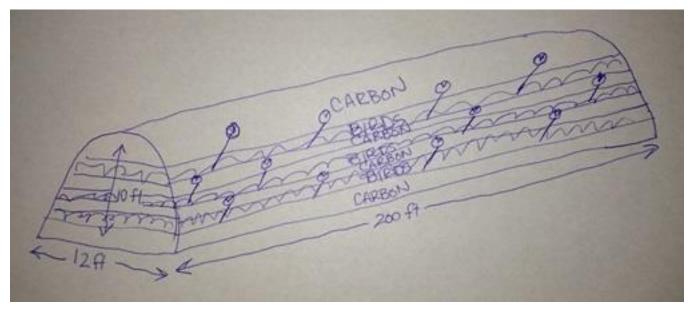
- Adequate space
- Room for equipment to maneuver
- Outdoor advantage?
- Farm worker assistance invaluable
- Size of birds
- Carbon sourcing problems





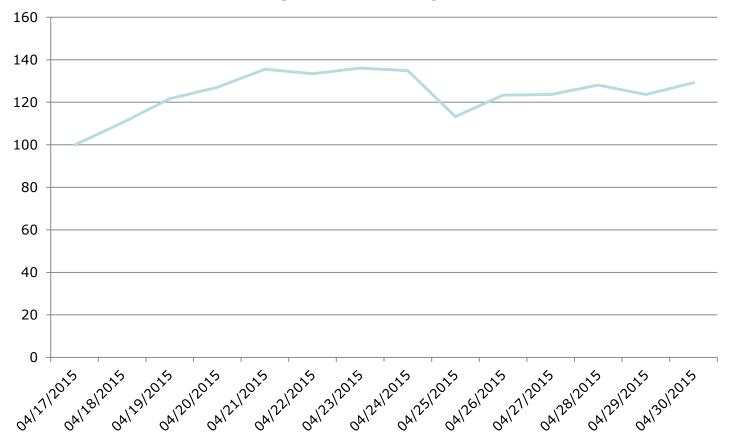


Monitoring >130°F avg pile temp for at least 3 days





Average Windrow Temperature



- Piles constructed in barns
- Very tight operating area for equipment
- Turkeys ranged from 4oz to 70lbs





Pile construction

allow and the



Exposed birds Turkeys

and a share he have he



Leachate

ALAA ALA AL





Underperformance

allowed the

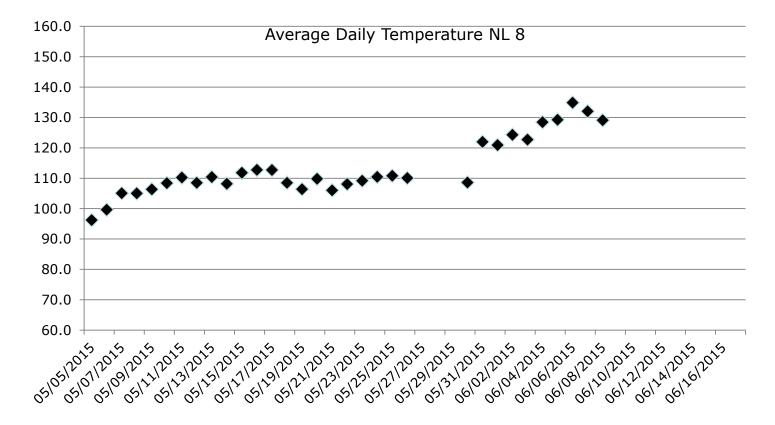




Vectors







- Base
- Animal
 Tissue Density

4 44 . 44 44

- Moisture
- Cap
- Other factors



mandel hered



Base

Turkeys Animal Tissue Density

444444





Moisture

LAALA A



Сар

allowed the



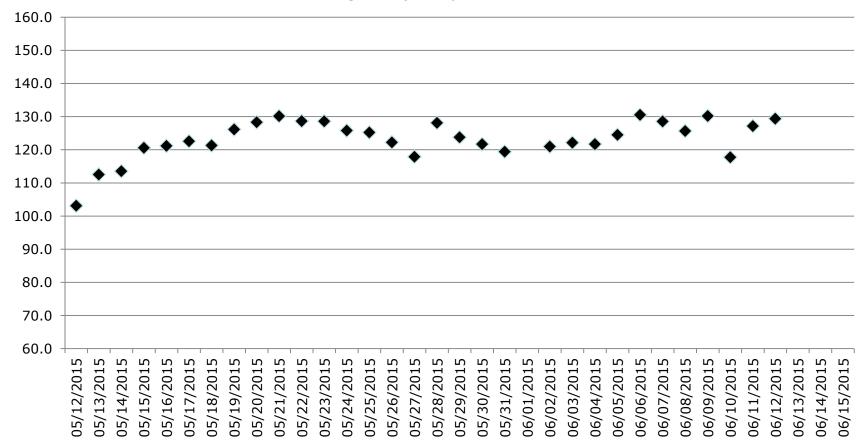
Other factors

And an ad at the



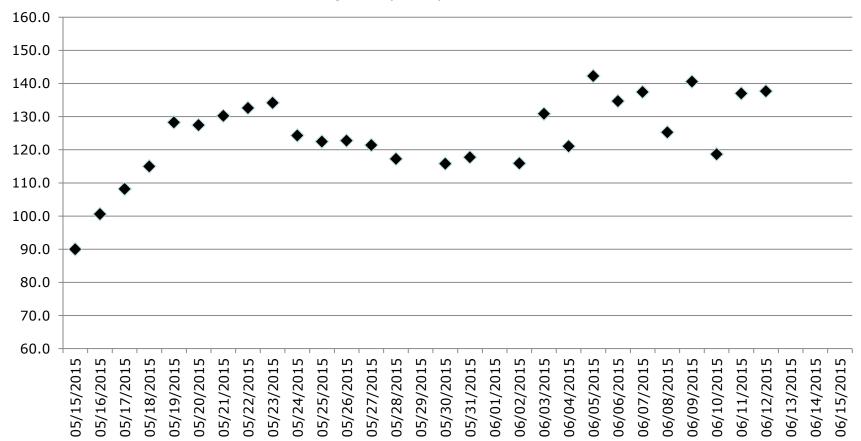


Average Daily Temperature NW8a



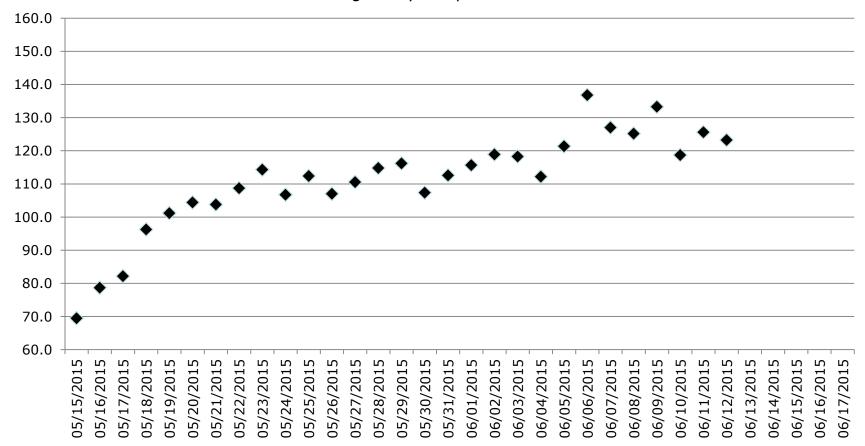


Average Daily Temperature NWMan4



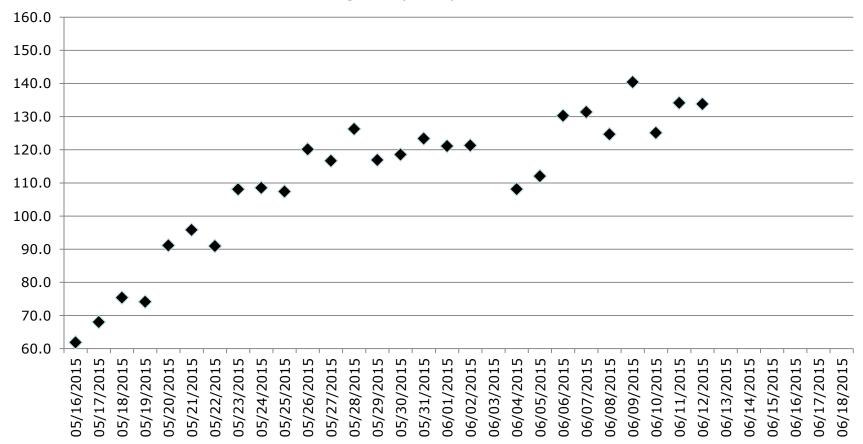


Average Daily Temperature NW5





Average Daily Temperature NW14



Issues to be addressed

Authorities Virus thresholds? In-barn vs outdoors? The "Pretty Piles" mindset Optimizing available carbon usage



Questions?

