

Integrated Waste Management Consulting, LLC

# Regulation of Compost Facilities



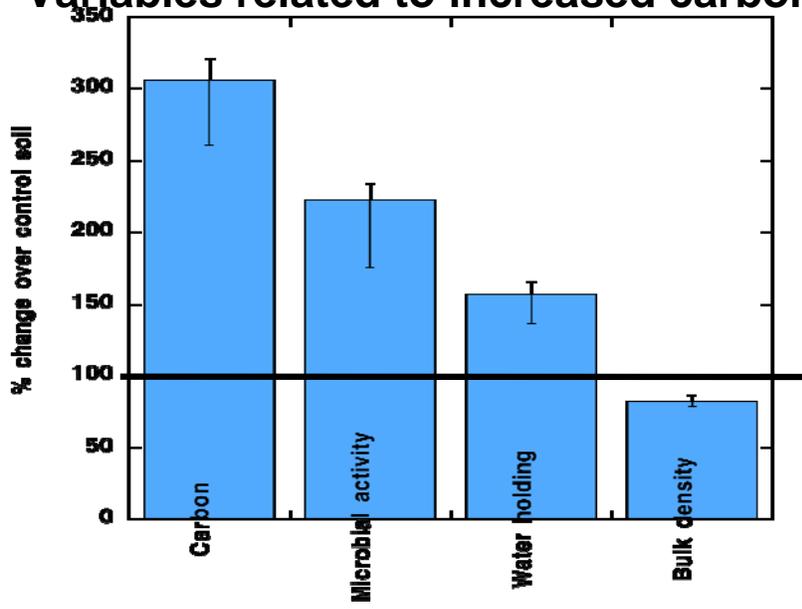
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# Compost Use in Ag.



### Across all sites (compost) Variables related to increased carbon



## Commercial Composting Systems in CA (Partial)

- Static/Passive 8
- **Turned Windrows +70**
- Aerated Static Piles 9
- Agitated Bed 3
- In-Vessel 2
- Hybrids 1

## State of Technology

- **+90 percent open, turned windrow**
- **Predominantly private, stand alone facilities**
- **Outdoor, on slightly improved surface**
- **Economics are marginal**

## Many Feedstocks

- **Ag-only compost (Manure, grape pomace)**
- **Green material only (no manure, no food)**
- **Green material and food**
- **Biosolids**
- **MSW (Only 2 facilities)**

# CIWMB Survey of the Industry

- **Third Survey (2001, 2003, 2009)**
- **Documenting Infrastructure**
- **Examining air & water mitigations**
- **Compost process**
- **Impact of the economy**
- **Coming soon to the CIWMB Web site**

# Water Management

- **Good Operational Practices**
  - Prevention (design, operation)
  - Mitigation (design, operation)
  - Management (Structural, Non-Structural)
- **SWPPP may offer good model**

## Facilities need options

- Annual Rainfall
- Soil type
- Depth to groundwater
- Run-off vs. leachate
- Site Design
  - Setback from H2O
  - Properly graded, bermed

# New and Emerging Markets

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