

Aerobic Composting Control System

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Stakeholder Needs

The Aerobic Composting Control System is guided by a series of stakeholder needs, listed below.

1: Optimum Compost Temperature

In an aerobic composting system, the optimum temperature range for thermophilic organisms that yields both rapid decomposition, as well as the destruction of pathogenic organisms and undesirable weed seeds, is 57°C - 71°C (135°F - 160°F).^[1]

User Stories

The Aerobic Composting Control System's stakeholder needs are then used to identify a series of user stories which then lead to design decisions captured in data structure and activity definitions.

Data Structures

This section covers each data structure type in the **Aerobic Composting Control System**.

[1] "Compost Needs - Temperature," Compost fundamentals. WSU Whatcom County Extension.
http://whatcom.wsu.edu/ag/compost/fundamentals/needs_temperature.htm