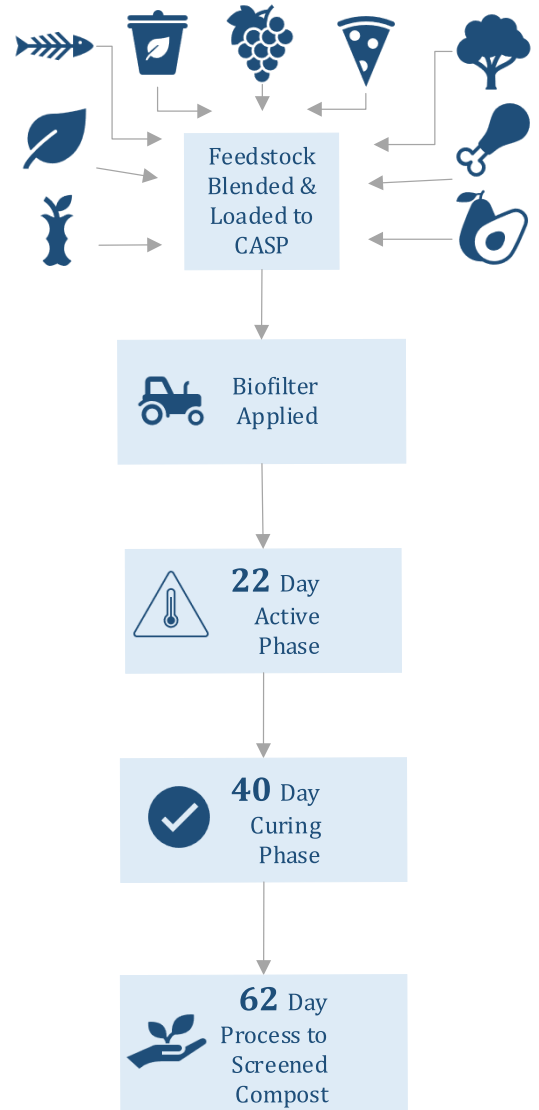


Covered Aerated Static Pile

The covered aerated static pile (**CASP**) facility is designed to provide optimal composting conditions via positive aeration, automatic irrigation, advanced temperature control, and a biofilter layer. Napa CASP became operational January 2020.



Napa's CASP Process



How it works?

↔ Air, water, heat & biofilter

The CASP facility ensures adequate oxygen reaches the material via aeration, which flows upward from the concrete floor to the top of the pile. The biofilter insulates and retains heat evenly across the pile, guaranteeing proper temperatures are reached to kill weed seeds and pathogens. Automated aeration, irrigation, and hourly temperature feedback transforms traditional composting, giving operators greater control of the decomposition.

Environmental benefits

The biofilter layer, which is made of mature compost or wood chips and covers the entire surface of each pile, captures air emissions and controls odors. Controlled aeration ensures aerobic decomposition. The CASP also minimizes stormwater contamination during the process by capturing liquid which is reused for moisture.



Reuse of organic

material, including yard trimmings, food waste, ground wood, grape pomace, and agricultural waste.



Positive aeration

supplied to the composting process via **3,300** holes installed in the concrete floor



Water

automatically applied throughout the process to the 6" thick **biofilter** to trap emissions



CASP efficiently

converts organic material to compost in a **62-day** process (22 active days & 40 curing days)

