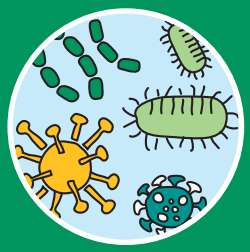
HOW HARVEST QUEST IMPROVES BIOSOLIDS COMPOSTING

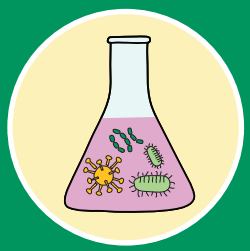
HARVEST QUEST

BIOLOGICALLY POWERED



MSAP compost is stable and mature, and contains elevated levels of beneficial microbes which initiate nutrient cycling in the soil and enhance plant growth.

POWERFUL INOCULANT



Harvest Quest's proprietary inoculant accelerates the natural decomposition process and initiates a reaction that reverses normal composting physics.

UNIQUE METHODOLOGY

The Modified Static Aerobic Pile (MSAP®) method is a combination of both static pile and windrow composting techniques that provides many beneficial outcomes.

INITIAL STATIC PHASE

The MSAP® method largely eliminates the need for mechanical turning while still maintaining aerobic conditions and excellent pathogen destruction.

LOW CAPITAL COST

The MSAP method requires a minimal investment as there are no concrete structures, pipes, blowers, or roof structures required.

KNOCK OUT ODORS

Less turning equates to significantly less odor production, and the utilization of a capping layer during the static phase deters vectors and acts as a passive biofilter.

APPROVED METHODOLOGY

The Harvest Quest MSAP method is approved by the EPA as a composting method modification to 40 CFR 503 Appendix B PSRP A.4. and PFRP B.1.

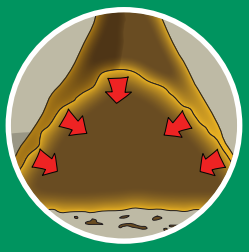
FEWER TURNS

Only two turns, and not until the later phases of the composting process, are required to achieve high-quality, pathogen-free compost.

EXCEEDS PFRP REQUIREMENTS

Within 24 hours, rapid microbial proliferation generates temperatures in excess of 150°F (65°C) and sustains them for several weeks.

UNIQUE PILE DYNAMICS



Microbes multiply rapidly, initially populating the outer edges of the windrow just beneath the capping layer before moving towards the center of the pile.

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