ESCS – COMPOST STARTER

ESCS is a natural, proprietary blend of macro and micro nutrients, complex carbohydrates, humic acid, fulvic acid, vitamins and minerals. This high quality compost starter can produce odourless, hygienic, mature compost that can be safely applied to the land for improved soil structure, moisture retention and add an additional wide range of nutrients. **ESCS** is formulated for use in windrow composting, static pile composting, in-vessel composting and compost digesters. It is also effective in composting animal mortality including poultry carcasses. **ESCS** controls odour by inhibiting the activity of the enzyme urease, which converts nitrogen and urea to ammonia. This reduction of free ammonia results in increased biomass, accelerated bacterial activity and rapid decomposition of the biodegradable component in organic waste. **ESCS** compost starter works in both aerobic and anaerobic environments ensuring rapid start-up and complete degradation of the biodegradable component in organic waste.

HOW ESCS WORKS:

ESCS compost starter initiates and accelerates the composting process by stimulating the aerobic biomass present in the composting environment. This stimulation causes the biomass to rapidly grow to high concentrations and become the dominant organisms. This enables optimum degradation of the biodegradable component in organic wastes. The end product resulting from this process is a 100% organic fertilizer containing primary nutrients as well as trace minerals, humus and humic acids. The by-products produced from the process are carbon dioxide and water.

BENEFITS OF ESCS:

- Controlled composting
- Convenient to use
- Safe for the environment
- Non-toxic to animals, plants and humans
- Controls flies and insects by creating a poor breeding substrate
- The resulting compost is odourless and hygienic and can be safely applied to any soil

CONSIDER THIS:

One teaspoon of compost rich organic soil hosts 600 million to 1 billion beneficial microbes from 15,000 species

One teaspoon of chemically treated soil can host as few as 100 microbes

APPLICATION RATES:

1. Mix 30mL (1oz) ESCS in 4 Litres (1 gallon) of water
2. 1 Litre of RTU (ready to use) solution will treat 1 cubic metre of yard waste

1 Litre of ESCS will treat up to 10,000 lb. (4,500 kg.) of material

APPLICATION METHODS:

ESCS can be applied with a conventional sprayer, hand sprayer or a back pack sprayer.

THE COMPOSTING PROCESS:

Composting is a natural biological process that is carried out by various natural microbes, including bacteria and fungi that utilize solid waste as an energy source and break down organic material into simpler substances. These microorganisms require air, water, and an energy source. Therefore, it is necessary to maintain proper environmental conditions for microbial life within the compost pile. Under proper conditions worms, insects, etc. can speed the decomposition process. The time window to produce compost depends on the composting process. In-vessel composting can produced compost in days, while other composting systems may take months to produce mature compost. Composting has the potential to manage any and all of the organic material in the waste stream which cannot otherwise be recycled. Some examples of organic material that can be composted include food scraps, leaves and yard wastes, agricultural crop residues, animal mortality, paper products, sewage sludge and wood.

SAFETY:

ESCS is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESCS** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **ESCS** is environmentally safe and is not harmful to animals, plants and humans.

COMPLIANCE:

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
b) 40 CFR Sections 704.3. 710.2(e) and 720.3(c); and
c) Sections 5 and 13, reference 42FR64583
d) Does not contain marine pollutants as defined in 49 CFR 171.8.

STORAGE & HANDLING:

Store in a cool location away from direct sunlight - No special handling required

PACKAGING:

2 Litre Jug
20 Litre (5 gallon) HDPE Pail
205 Litre (45 gallon) Barrel
1000 Litre Tote