

PFEIFFER BD COMPOST STARTER

PFEIFFER BD FIELD SPRAY

Production now licensed to
The Josephine Porter Institute for Applied Bio-Dynamics, Inc.

Note: The **Biodynamic (BD) Compost Starter** and **BD Field Spray** contain all the Biodynamic Preparations, with the exception of "501" and "508."

The **BD Compost Starter** (Dr. E.E. Pfeiffer's formula) is available for practical use. It has proved its value in the hands of thousands of users over many years. The **BD Compost Starter** is a concentrated mixture of several cultivated strains of beneficial soil bacteria, enzymes and plant growth promoting factors. These bacteria have been isolated from the most fertile humus soils. Under the proper conditions of moisture, aeration and organic matter (see instructions) the **BD Compost Starter** will:

1. *Quickly decompose* raw organic matter and wastes by breaking them down into simpler compounds.
2. *Re-assemble* these simple compounds into complex lasting substances known as *humus*.
3. *Fix nitrogen* from the air and otherwise make it available.
4. *Increase the availability* of minerals in the soil and transform unavailable minerals into their available form.
5. *Hold the soil* and improve its structure.
6. *Prevent leaching* and washing away.

Humus is the result of the breakdown and transformation of raw organic matter and wastes by the proper combination of soil bacteria. *Help nature to produce humus*. The benefits of compost made humus include:

- Improvement of the soil structure.
- The soil is easier to prepare and cultivate.
- Water is more readily absorbed and penetrates deeper.
- Soil drainage is improved.
- Root growth is stimulated.
- Absorption of nutrients is facilitated.
- Nutrients in compost are preserved and made available.
- Soil microlife is fostered and maintained.
- Nitrogen release is steady and without losses.

HOW TO USE THE BD COMPOST STARTER

Special instructions are available based on many years of experience. We have instructions on:

- Small compost pile for home and garden.
- Manure piles for farm.
- Treatment of manure in the dairy barn.
- Treatment of manure in the loafing barn and pen stable.
- Treatment of muck and peat.
- Treatment of poultry manure.
- Treatment of water hyacinths.
- Treatment of sawdust.
- Treatment of industrial wastes (coffee, tea, cocoa, bagasse, cachaza, etc.)
- Treatment of sewage sludge (drying beds).
- Treatment of night soil, for conditions in the Far East only.
- Industrial application for the processing of city wastes and garbage.

HOW MUCH **BD COMPOST STARTER** SHALL I USE?

The answer to this question is simple. For all materials to be composted measure: *1 unit per each ton or 1½ cubic yard of raw materials.*

You order in units giving us the weight or volume of materials you want to process. One (1) unit weighs about 1 ounce, net.

In cases where only the surface is known such as in loafing barns, on sludge drying beds or using the **BD Field Spray** the unit is figured in proportion to surface and depth. Please consult with us.

WHAT IS THE **BD FIELD SPRAY**?

The **BD Field Spray** contains organisms and enzymes similar to the **BD Compost Starter**. It is sprayed directly on the land in order to break down green manure, sods, stubble, trash. It is used immediately prior to plowing or disking under. It aids in the fast decomposition of these materials. It prevents the tying down of the much needed nitrogen. Its unit is calculated per acre. Special instructions for the use of the **BD Field Spray** upon request.

HOW LONG DOES THE **BD COMPOST STARTER** KEEP?

If the package is undamaged, kept cool and not exposed too long to direct sunlight, it will keep six to eight months. The starter should be protected against excessive air moisture and should not dry out. Therefore you can order now and use later.

The **BD Compost Starter** is *not harmful* to any plant, animal or human living tissue. It will only decompose materials separated from living organisms. Dogs love to eat it and thrive on it. That shows how harmless it is.

DOES THE **BD COMPOST STARTER** WORK AT WINTER TIME?

Cold and freezing temperatures will somewhat slow down but not prohibit its actions. Compost piles in the initial phase of fermentation will heat up and continue to ferment even in wintertime. Frost will not penetrate below the surface layer on larger compost piles during the fermentation.

The **BD Compost Starter** is for all-year-round use helping and speeding nature's work.

If you have any problems not covered by our instructions do not hesitate to contact us. We shall be glad to take care of them.

TO ACTIVATE FOR USE:

Moisten the measured amount you need for the next day with tepid water, mix well and let stand in a warm place, for 12 to 24 hours. Then dilute with water to the required amount for spraying. The amount of water depends on the delivery rate of your sprayer, not the units of the **BD Compost Starter**.

Spray while building the pile or mixing the materials. Do not activate more than is to be used the next day. Moistened **BD Compost Starter** will keep unchanged only a few days.

If chlorinated water is to be used let it stand preferably in sunlight, for a few hours prior to use. Follow instructions for building the compost pile or the use of the **BD Field Spray**.

The **BD Compost Starter** was screened through a No. 35 screen.