

## Characteristics and Parameters

pH  
6.0-8.0

Soluble Salts  
3.0-7.0 dS

Water Holding Capacity (dry weight)  
200-300%

Bulk Density  
800-1,000 lbs/cubic yard

Moisture Content  
35-65%

Organic Matter Content  
40-65%

Particle Size  
1/2" Minus  
85% will pass 1/4" screen

Trace Elements and Heavy Metals  
(Meets U.S. EPA Part 503 Exceptional  
Quality Concentration Limits)

Growth Screening  
Passed

A 130-page detailed "The Field Guide to Compost Use" put out by the Compost Council is available from Zeager Bros., Inc. in English or Spanish. Call 1-800-346-8524 to request a copy.

(Information in this brochure was taken from "The Field Guide To Compost Use" published by The Composting Council, 1996).

## Recommended Inclusion Rates

Planting bed establishment  
1-3" - incorporate 6-8"

Mulch  
1-2" on the surface

Planting backfill mix  
25-50% blended with soil

Turf establishment  
1-2" - incorporate 5-7"

Upgrade marginal soils  
1-3" - incorporate 6"

Topsoil blend  
20-50% thoroughly mixed

Field nursery production  
1-2" - incorporate 6-10"

Vegetable production  
1-2" - incorporate 6"

Erosion control  
3-4" layer

Silvicultural crops  
2-3" - incorporate 6"

Sod production  
1-3" layer

For best results, before planting have your soil and soil/compost blend tested by a reputable laboratory.



# EARTHENRICH COMPOST

REJUVENATE YOUR  
TIRED SOIL BY ADDING  
NUTRIENT AND MOISTURE  
HOLDING CAPACITY

Zeager Bros., Inc. has always been at the forefront in providing high quality landscape soil products with consistent, unsurpassed customer service.

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June 12, 2002

## What is EARTHENRICH Compost?

EARTHENRICH is a product resulting from the controlled biological decomposition of bio-solids. During the waste-water treatment process, bacteria and other microbes break down the raw bio-solid into simple nutrients that feed microbial growth and reproduction. When the microbes die, they settle out and form the bulk of the bio-solids.

The bio-solid is thoroughly mixed with a bulking agent such as wood chips or coarse sawdust and placed in a static pile configuration. Air is drawn down through the bio-solids mixture adding oxygen. This causes the nutrient rich environment to generate much heat due to the natural microbial activity of the aerobic microorganisms growing and reproducing.

Temperatures of at least 131°F (sometimes temperatures exceed 160°F) must be maintained for a minimum of 72 consecutive hours to destroy disease-generating microorganisms. This composting process is aggressively expedited for approximately 20 days, and then an additional 10 days of curing is completed to produce a compost product that is safe and agronomically sound for all uses.

Nutrient and Potting Media analysis available upon request.

## Benefits of EARTHENRICH Compost

1. Improves the soil structure, porosity, and density, thus creating a better plant root environment.
2. Increases infiltration and permeability of soils, thus reducing erosion and run-off.
3. Improves drought resistance through increased water-holding capacity, thus reducing water loss and leaching in sandy soils.
4. Increases nutrient and moisture holding capacity.
5. Particle size is suitable of plant medium.
6. Supplies significant quantities of organic matter.
7. Improves Cation Exchange Capacity (CEC) of soils and growing media, thus improving their ability to hold nutrients for plant use.
8. Can bind and degrade specific pollutants.
9. Can replace the use of other expensive soil amendments, such as peats.
10. Regenerates depleted soil and releases vital nutrients so they become available to plants.
11. Promotes Soil Nutrient producing microbial activity.

## Uses of EARTHENRICH Compost

Soil amendment for the establishment of planting beds.

Mulch for garden beds, tree, and shrub planting.

Component for soil backfill mixes for the establishment or planting of various trees and shrubs.

Soil amendment for the establishment of turf grass.

Upgrading compacted, disturbed, un-irrigated, low-maintenance sites or marginal soils for the establishment of various crop species.

Component of growing media or horticultural substrate for the production of various containerized crops.

Soil amendment for the field production of various ornamental crops.

Soil amendment for the production of various ornamental crops in raised or ground nursery beds.

Growing media for sod production.

Soil mulch or cover for erosion control.

Soil amendment for the establishment and production of forest tree species.