

# CHEEP CHEEP

## 4-3-3

Is a brand new, single ingredient, all purpose organic fertilizer from North Country Organics designed to fulfill the needs of certified organic growers and ecological land care professionals at a significantly lower cost. Cheep Cheep, as the brand implies, is made from dehydrated poultry litter and is competitively priced. Cheep Cheep is a consistent, dust-free, granular product that flows well and dispenses through any style of spreading equipment. It contains essential micronutrients and 60% organic matter. 25 lbs. of Cheep Cheep 4-3-3 provides 1 lb. of nitrogen,  $\frac{3}{4}$  lb. of phosphate, and  $\frac{3}{4}$  lb. of potash.



**OMRI**  
Listed

**NATURAL,  
ORGANIC,  
INEXPENSIVE**

Cheep Cheep 4-3-3 is a complete, all natural biologically active organic fertilizer providing essential primary plant nutrients in a natural, slow-release form, for healthier plants with less leaching of nutrients.

It is an excellent source of primary nutrients (nitrogen, phosphorous, and potassium), important secondary nutrients and trace elements present either as organic complexes or in a less water soluble slow-release form. With regular applications of Cheep Cheep 4-3-3, intensive use of turfgrass and garden areas are more tolerant of stressful conditions such as traffic, heat, water, or wind stress.

This product is tested frequently throughout the production process to ensure the material is free of harmful pathogens or toxins. It is safe for the environment, the sportsman, and the groundskeeper when used at recommended rates. Cheep Cheep 4-3-3 contains no chemical additives or binders. This fertilizer is approved for use on certified organic farms.

### FOR TURF ESTABLISHMENT

Cheep Cheep 4-3-3 organic fertilizer can be used as a starter fertilizer when establishing a new lawn. On bare earth, spread 25 pounds of Cheep Cheep 4-3-3 per 1,000 ft.<sup>2</sup> and incorporate into the top two inches of the soil. If poor soil conditions exist, also incorporate  $\frac{1}{4}$  -  $\frac{1}{2}$  inch mature compost for soil improvement. Rake the area smooth and seed or sod on top of amended soil. Roll finished area and water regularly until the turf is established.

### APPLICATION DIRECTIONS

Gardens – apply 25 - 30 lbs. per 1000 ft.<sup>2</sup> for vegetables and annual flowers. Use 15 – 20 lbs. per 1000 ft.<sup>2</sup> for perennials, legume vegetables, or herbs.

Established Lawn and Cool Season Grasses – Spread 25 pounds per thousand square feet evenly, 2 - 4 applications per growing season (application rate depends on length of season, clipping management, and expectations).

### COMMENTS

The best results are achieved in conjunction with and adequate water supply of good quality. This fertilizer will not burn, even if over-applied. It may be spread on non-irrigated areas to await next rainfall. This is of particular advantage to large areas such as parks or playing fields. If thatch is evident, lawn should be aerated prior to application.

# BIO-MAGIC

## 0-0-12

Is a dry, water soluble plant growth bio-stimulant with beneficial (nitrogen fixing, hormone producing, and phosphorus dissolving) bacteria. Bio-Magic contains proven growth promoting substances, including humic extracts (humic acid), cold water sea kelp extract, essential amino acids, vitamins (B-complex and K), root growth factors, and sugars. Bio-Magic is used to promote growth and reduce stress in all types of plants.

**THE QUINTESSENTIAL  
BIO-STIMULANT**

**Humic acid** is the most biologically active component of soil humus. In soil, humic acids reduce leaching of essential plant nutrients by chelating (organically bonding) them in the root zone. They also serve as an important carbon based food source from microorganisms vital to soil dynamics, and have a buffering effect on soil pH shifts brought about by natural and artificial factors. In plants, humic acids affect the permeability of cell wall membranes in roots allowing more rapid absorption of nutrients essential to plant health. They also have been shown to improve plant respiration, photosynthesis, and root growth.

**Cold water sea kelp** (*Ascophylum nodosum*) contains high levels of cytokinins which are plant growth hormones normally synthesized in plant roots. Cytokinins are known to promote cell division and lateral bud development as well as delay the aging process of plant tissue. Under stress conditions (heat, drought, etc.), cytokinin production in plants is severely limited so the application of seaweed containing cytokinins can stimulate new root and bud development.

**Sucrose** serves as an energy source for plants and soil microorganisms.

**B-complex and K vitamins** are important enzyme catalysts enhancing and driving plant growth metabolism.

**Amino acids** are the building blocks of proteins and are also essential for plant metabolism. Bio-Magic contains a complex of eighteen (18) amino acids.

**Proprietary beneficial bacteria** in Bio-Magic include a nitrogen-fixing bacillus that makes atmospheric nitrogen available to plants, and a phosphorus-dissolving bacillus that increases the availability of insoluble phosphorus in the soil, and a growth hormone-producing bacillus that stimulates root growth.

### Bio-Magic:

- Improves water and nutrient uptake
- Promotes root re-growth after disease and insect damage
- Reduces stress from heat, drought, and transplanting
- Stimulates beneficial microbial activity in the soil and on roots

### Bio-Magic can be:

1. Used in root zone injection applications on established trees and shrubs to stimulate root growth and nutrient absorption, and aid in stress recovery.
2. Applied to newly laid sod to enhance root regeneration and help knit down quickly.
3. Used in hydro-seeding or any other seeding operation to get fast germination and establishment.
4. Applied to new plantings to reduce transplant shock.



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