Real Earth

A unique composition of Humic Acid, Fulvic Acid and Micronutrients

Real Earth is a rich source of humic & related acids for plants & soils. It acts as a **growth stimulant** by chelating major & minor nutrients. It also act as a **catalyst** & **buffer** against harsh condition in the soils. Soil application enhances growth & development of roots. Foliar application encourages & maintain a better **C/N ratio** in the plant & maintain **turgidity**. Ultimately it improves **yield** potential in stress condition.

Real Earth is necessary for

Drought management • Rehabilitatory spray after mite attack • Young tea • Nursery • Plantation pits • Saline soil, lime soil, hard soil • Sandy soil with low organic (humus) content • Alkaline soil with low iron content

EFFECTS ON SOIL		
Chemical	**Physical**	**Biological**
• Increases buffering property of soil. • Decomposes rocks, increases mineral availability • Increases N, P, K and other nutrients availability by 20%. • Forms chelates with micro nutrients and release them as and when required by the plant. Hence nutrients will not be a limiting factor with regard to yield and quality.	• Improves soil structure • Reduces soil salinity • Makes soil porous • Regulates water • Reduces soil erosion	• Stimulates microbial growth, increases micro flora population • Decomposition of organic matter increases • Stimulates plant enzyme • Stimulates root growth and mass • Increases permeability of plant cell membrane thereby promoting nutrients uptake.

Advantages :

(i) In soils : 1. Increases the water holding capacity & buffering properties of soil. 2. Helps in retaining water-soluble inorganic fertilizers and releases them as needed. 3. Reduces soil erosion. 4. Helps plants to resist drought by working as an osmoticum. 5. Enhances Microbial activity. 6. Improves physical, chemical & biological properties of soils.

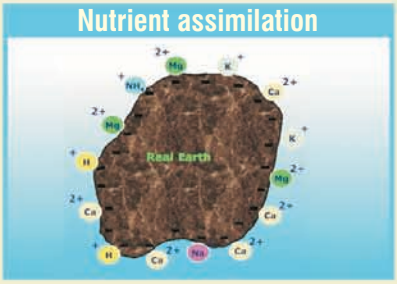
(ii) In plants : 1. Increases the protein and mineral contents of crops, producing thicker, greener and healthier crops. 2. Enhances root respiration, root elongation & development of root hairs. 3. Conserves moisture in root & shoot to maintain turgidity.

Dosage :

- Soil Application : 2 – 2.5 ltr / ha (to apply at collar region to encourage new foliage)
- Foliar Application : 250 ml / ha (for improving bush health)
  400 ml / ha (for drought management when there is foliage)
- Young tea & nursery : 500 ml / 500 ltr water (for drenching bushes in one Acre)
- Planting Pit : 1 ltr / 500 ltr water (for spraying in pit in one Acre)

Nutrient absorption at root level

Nutrient assimilation



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NIVSHAKTI BIOENERGY PVT LTD
In Harmony with Nature
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Be Organic™

MEMBER — IFOAM, United Planters Association of Southern India, Tocklai Research Association, Jorhat, Chemexcil India, ICCOA International Competence Centre for Organic Agriculture, bpia Biopesticide Industry Alliance, AIMA All India Manufacturers Organization, CRISIL Ratings

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