

# VITAZZYME<sup>®</sup>

an All Natural Biostimulant Concentrate

**VITAZZYME** is an all-natural bio stimulant that works through multiple active agents and multiple modes of action. Vitazyme stimulates the indigenous soil microbiota to work more efficiently, thus improving the availability of soil nutrients.

**DIRECTIONS FOR USE**

Apply Vitazyme by sprayer, or sprinkler or drip irrigation systems, Calibrate the system accurately.

1. Test the soil if possible to determine deficiencies or imbalances. Correct mineral deficiencies, but treat nitrogen separately (see point 2).
  2. Nitrogen fertilizer applications may be reduced to 50 to 80% of amounts required for an optimum yield potential. Consider soil organic matter, previous crop, degree of compaction, and soil nitrate level (see product literature).
  3. Apply Vitazyme to the seeds, transplant roots, or root stock before planting.
- Seeds:** (a) spray or mix the concentrate on the seeds when filling the seed box at 425-563gm/ha (0.5liter/hectare), (b) dip or spray seeds in a 5% Vitazyme solution, and dry before planting, or (c) apply 923g/ha (1 liter/Hectare) of Vitazyme directly on the seeds at planting.
- Transplants:** Dip or spray transplant roots in a 1 to 2% Vitazyme solution before planting. Tree and shrub planting: (a) Dip bare root stock in a 1 to 2% Vitazyme solution before planting or (b) apply 28gm Vitazyme in 7.5lts to 18.75litres of water, and soak into the root zone.
4. Apply Vitazyme to the soil and/or foliage. In most cases use 923gm/Ha. (1liter/Hectare) per application for field crops. Consult product literature for specific crop recommendations.
- Field crops:** Short-cycle crops (<45 days): at planting and within 7 days.  
Medium-cycle crops (45 to 120 days): at planting and 60 (or at flowering or midseason) and 100 days if recommended.  
Long-term crops (pastures, hay, and some vegetables (>120 days): at spring Greenup and every 60 days during active growth. For hay: at spring Greenup and after each cutting.
- Orchard and tree crops:** Apply 923gm/Ha (1litre/hectare) in the fall on residue.

5. Apply other sound, sustainable management practices.

**Horticulture Crops:** Nursery, house plants, lawns and gardens. Mix 10mls of Vitazyme in 3.76litrs of water. Use 0.5cup of this solution for 3.76litres and 1 cup for larger containers.

The solution may also be misted on leaf and soil surfaces. Generally, apply 923gm/hectare (1 litre/hectare) over leaves and soil every 30 to 45 days during active growth. Treat seeds and transplants as described above.

**Commercial applications:** Apply as a foliar spray, or via drip or sprinkler irrigation to plants every 30 to 45 days. Utilize 923g/Ha or about 9gm to 14gm/100m<sup>2</sup>.

**6. Recommended rates for different stage of growth.**

Stage of growth	Dosage
Seed treatment	5mls/100mls water/1Kg.
Before planting (Drench)	200mls/20litrs water Knapsack
At transplanting (Root dip)	200mls/20Lts water Knapsack
Vegetative	20mls/20litrs water Knapsack
Before flowering	20mls/20litrs water Knapsack

**Safety Instructions:** Vitazyme is environmentally safe and non-toxic to plants, animals, and people when used as directed.

**Caution: Keep out of reach of children**

**Contents:** Treated water concentrate, kelp extractives, calcium lignosulfonate, and ascorbic acid.

**- NOT A PLANT FOOD PRODUCT -  
SHAKE WELL BEFORE USING**

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