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# Welcome To Ultrateck Laboratories Inc.

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## Agricultural Products Division



**Ultra OrganoZyme Natural Plant Growth Stimulant**



**With Natural Biological Solutions To Chemical Pollution**



**BioZyme SOP Biological Soil Remediation**



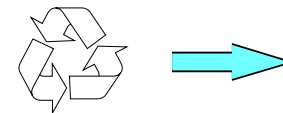
**New Hydroponic Growth and Bloom Aids**



**New Fertilak-E Concentrate  
Natural Biological Fertilizer Activator**



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# New Fertilak-E Concentrate

Biological Fertilizer Activator Chelating Coating

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Increased Yields and Profits

**Purpose:** Fertilak-E Concentrate is used to coat chemical and organic fertilizers and nutrients with a biological coating, using a simple spray on method.

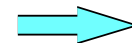
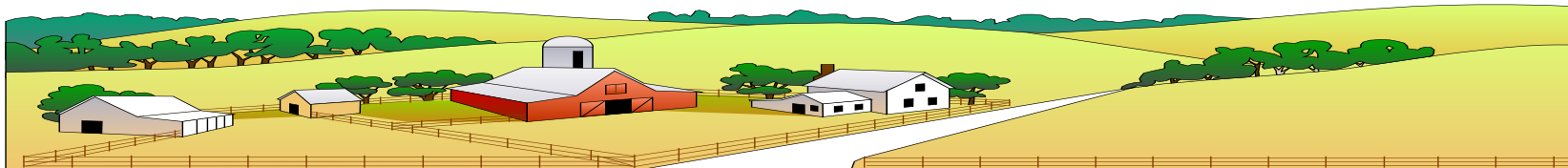


**Advantages:** The treated fertilizers become highly bio-available which results in increased yields and reduced pollution



**Increases NPK Bio-Availability**  
**Reduces U.V. Degradation of Nitrogen**  
**Reduces Nitrate and Phosphate Pollution**

Fertilak-E helps to increase the availability of non-organic nutrients such as phosphates and trace elements which are only made available for plants and root growth by metabolic processes.





# Fertilak-E Concentrate Uses

The Fertilizer Manufacturer and Blenders Advantage

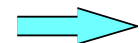
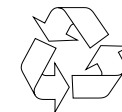
**Research results confirm harvest increases ranging from 15 to 40% with 2 liters of Fertilak-E per/ton of dry mixed fertilizers, in field application tests during the 1993 to 2002 growing seasons, in cereals, fruits potatoes and other vegetable crops.**

**Patent Pending formulation based on plant extracts of naturally occurring organic compounds, that have demonstrated their safety and value in agricultural applications, as safe and effective aids to plant growth.**

The Natural Solution to Fertilizer Pollution

Typical Analysis	
Mannose extracts.....	22.0%
Sarsapogenins.....	10.0%
Fulvic Acid Salts.....	1.02%
Cytokinin Bio-Equivalent .....	670 PPB
pk concentrate.....	3.8
Type .....	Organic brown soluble liquid
Status GRAS (FDA) .....	Non Hazardous

Use Methods: Mix with equal parts warm water and spray on dry fertilizer (Nutrients) or mix thoroughly with liquid nutrient solutions.





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# Ultra OrganoZyme

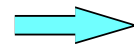
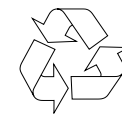
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**Organic Plant Growth Stimulant**  
**\* INCREASES YIELDS AND PROFITS NATURALLY \***

**May be safely used on all types  
of cereals, fruits, vegetables  
and ornamentals**



**Ultra OrganoZyme: Is a Patent Pending formulation based on plant and mineral extracts of naturally occurring organic compounds, combined with fermentation solubles that have demonstrated their safety and value in agricultural applications, as effective aids to plant growth.**





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## How Does Ultra OrganoZyme Work

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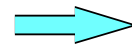
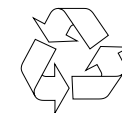
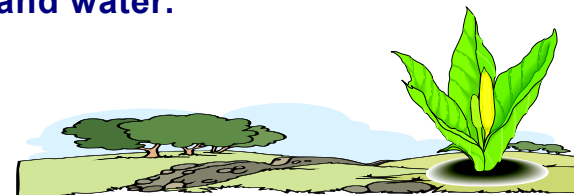
**Ultra OrganoZyme: At very low and economical use rates, alters the tension of water which helps release bound up soil nutrients and improves water absorption and retention capabilities preventing drought and excess water plant stress.**

**Ultra OrganoZyme: May be used as a plant growth stimulant in foliar, soil and root transplant applications, as well as seed treatment applications to aid germination and root development**

- \* Increase water retention and absorption in the soil.
- \* Helps make soil nutrients available by natural wetting and chelation.
- \* Stimulates biological activity in soil by the increased availability of nutrients.
- \* Increase foliar nutrient uptake by altering the tension of water.
- \* Aids germination and root development.
- \* Promote fruit set and development.
- \* Mellows soil hardpan and compaction.
- \* Enhance plant resistance to stress
- \* produced by environmental factors such as temperature and water.



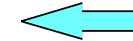
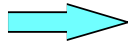
General Use Rates: 1 to 1 1/2 liters/quarts per acre





# Ultra HydroZyme

## Aids Hydroponic Growth Germination and Root Development



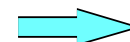
- \* **Helps make nutrients available by natural chelation** \*
- \* **Increase root and foliar nutrient uptake by altering the tension of water** \*
- \* **Aids germination and root development** \*
- \* **Promote fruit set and development** \*
- \* **Enhance plant resistance to stress produced by environmental factors** \*

**Ultra HydroZyme** is a completely natural organic hydroponic concentrate containing, enzymes, vitamins, hormones and natural steroidal sarsapogenins formula designed for stimulating all aspects of horticulture hydroponic plant growth.

**Ultra HydroZyme:** May be used as a hydroponic plant growth aid for dramatic root and leaf growth, helps to revive plants under stress conditions, seed and root transplant applications, as well as seed treatment applications to aid germination and root development.

**Ultra HydroZyme** also acts as natural nutrient chelating agent which releases locked nutrients making them available for plant root and foliar assimilation and growth.

Ultra HydroZyme Use Rates: Concentrate may be added to your nutrients at the rate of 1 to 2 drops per gallon for daily use. Under severe stress conditions double the dose rate until conditions improve.





# HydroZyme Properties



## Typical Analysis

### Major Nutrients



<b>Total Nitrogen N</b> .....	<b>4.0%</b>
<b>Available Phosphoric Acid P<sub>2</sub>O<sub>5</sub></b> .....	<b>8.0%</b>
<b>Minimum Water Soluble Potash K<sub>2</sub>O</b> .....	<b>4.0%</b>

### Organic Ingredients

<b>Organic plant extracts (enzyme hydrolysis)</b> .....	<b>10.0%</b>
<b>Organic plant surfactants</b> .....	<b>8.0%</b>
<b>Fulvic acid salts</b> .....	<b>1.02%</b>
<b>Cytokinin Bio-Equivalent</b> .....	<b>670 PPB</b>
<b>pH concentrate</b> .....	<b>3.8</b>
<b>Type</b> .....	<b>Organic brown soluble liquid</b>

**Status (FDA) GRAS ..... Non Hazardous**

**Storage: Store in a cool dry area**

**Stability: Up to 2 years from date of manufacture**

**Packaging: 4 Liter Jugs, 10 Liter and 20 Liter Pails**





# Hydroponic-BG Plus



## Bloom and Growth Stimulator

**Hydroponic BG-Plus:** Is a Patent Pending formulation based on plant extracts of naturally occurring organic compounds, that have demonstrated their safety and value in horticulture applications, as effective aids to plant growth.

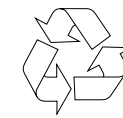
**Hydroponic BG-Plus:** Has a broad range of activity which permits maximum productivity under the most severe growing conditions and stresses of modern and intensive hydroponic practices. With the ever increasing costs of traditional chemicals it is a safe and economical aid in increasing production and profits.

**Hydroponic BG-Plus:** Increases beneficial biological activity in the root nutrient assimilation zone and increases the plants metabolic processes which increase the plants resistance to disease and environmental stress and allow the plants to grow to their maximum genetic potential.

**Hydroponic BG-Plus:** Use Rates: Concentrate may be added to your regular nutrients at the rate of 1/2 tsp during the blooming period. Under severe stress conditions double the dose rate until conditions improve.

Storage: Store in a cool dry area

Stability: Up to 2 years from date of manufacture





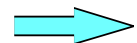
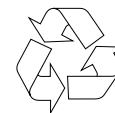
# BioZyme SOP

Natural Soil Organism Pak  
For Contaminated Non Productive Soils

Reativates Revives  
Detoxifies Dead Soils



**With the constant use and abuse of chemicals, soils have become harder and more difficult to plow. The primary reason for this is due to the destruction of the natural biological systems in the soil. Organic matter content in intensive agricultural soils has been constantly dropping over the past thirty years. When you compare humus levels of 4 to 5% to today's levels of 1 to 2.0% it gives you a clear indication of why the biological support system for the needed beneficial microorganisms is being diminished markedly. This effect can be clearly observed when you still find non-decomposed corn stalks, thatch and stubble wastes that have been plowed into the soil 1 and even 2 seasons ago.**





# BioZyme SOP Advantages

## Live Soils Are Productive Soils

**BioZyme-SOP** helps to detoxify decompose and recycle organic wastes into beneficial organic matter - humus.

**BioZyme-SOP** helps to release bound and tied up nutrients required for normal plant development through biological conversion and activity.

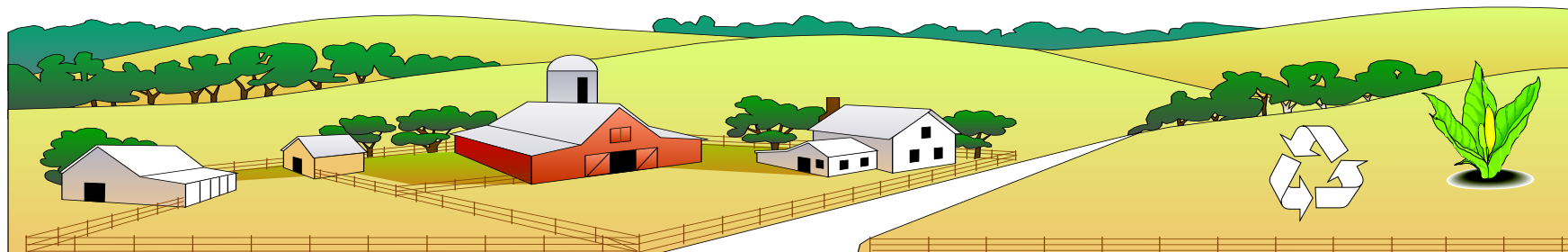
Inorganic nutrients such as phosphates and trace elements are only made available for plant growth by metabolic processes.

**Use Methods: A- Mix** to 3/4 kg or 1 to 2 pounds of **BioZyme-SOP** with your normal per acre amount of dry granular or liquid fertilizer and tilled into the soil in the regular manner.

**B- May also be mixed with water** as long as it is pre-filtered to prevent spray nozzle blockage.

**C- After harvest:** May be applied with limestone at the end or beginning of the season at rates that would provide to 3/4 kg per acre.

**The application of BioZyme-SOP** should be followed by rainfall in order to activate and establish the microorganisms. Results are normally observed within 15 to 60 days from application.





# Ultrateck Laboratories Inc

Thank You For Reviewing Our Products

For The Latest Developments Please Visit Our Internet Site Below or Contact Us Directly

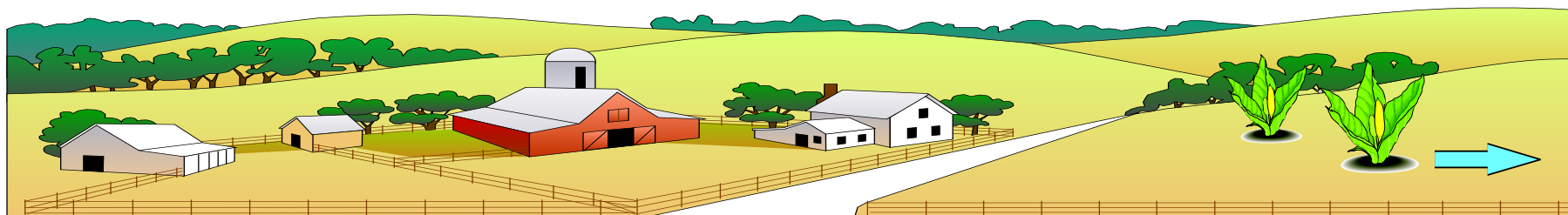


**International Export Division: 24 Seguin, Rigaud, QC Canada J0P 1P0  
Tel. 450-451-4195 Fax: 450-451-6167**



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