

# CYTOKELP



CFIA Registered Biostimulant

Enhances and Stimulates Plant Growth and Development

## THE ORIGINAL

# CYTOKELP

CFIA Registration Number 2015147A Fertilizers Act

## GUARANTEED ANALYSIS

Nitrogen (N) - 0.27%, Soluble Potash (K<sub>2</sub>O) - 0.24%, Cytokinins (as Kinetin) - 0.25% , Calcium (Ca) - 0.13%, Magnesium (Mg) - 0.08%, Kelp Extract - 6.00%, Yucca Extract - 5.00%

**EZ-GRO CYTOKELP**

**Guaranteed Minimum Analysis**

Total Nitrogen (N)	0.27%
Soluble Potash (K <sub>2</sub> O)	0.24%
Cytokinins, as Kinetin	0.25%
Calcium (Ca)	0.13%
Magnesium (Mg)	0.08%
Kelp Extract (% dry wt)	6.00%
Yucca Extract (% dry wt)	5.00%

**EZ-Gro Cytokelp** is an organic based crop stimulant containing Kinetin, a plant growth hormone that has been shown to increase cell division, differentiation and growth. **EZ-Gro Cytokelp** can enhance plant growth and development when applied as directed. **EZ-Gro Cytokelp** is not a fertilizer; therefore, incorporate good fertilization program practices. Under certain circumstances Kinetin may delay senescence of the leaves on some crops. Make applications at the proper timing and when the crop is actively growing.

**CAUTION:** Keep out of reach of children and animals. Do not re-enter treated area within 4 hours of final application. Do not apply within 21 days of harvest. Avoid release to water sources. Do not apply directly to water, or to areas where the surface water is present or to adjacent areas where the water is contaminated. Do not contaminate or allow the water to contaminate streams, ponds or lakes, as water life may be endangered. Do not connect an irrigation system unless the backflow system backflow preventer, check valve, vacuum relief valve is in place to prevent water source contamination from backflow. Wear protective equipment including clothing, gloves, eye and respiratory protection when using this product. Wash thoroughly after handling. If in eyes rinse with water for several minutes. If on skin, wash thoroughly with soap. If inhaled move to fresh air. If swallowed, rinse mouth. Store in original container in a cool, dry place. Observe all cautions and warnings in accordance with local, regional, and national regulations.

Manufactured By: Hircorp Inc., 605 Justus Dr., Kingston, Ontario K7M 4H5 | 613-384-8882  
Registration Number: 2015147A Fertilizers Act  
Lot No:

**APPLICATION CHART:**

CROP	RECOMMENDED RATE	TIMING
Brassica (Cabbage, Broccoli, Cauliflower, Brussel Sprouts), Cucurbit (Cucumbers, Melon, Squash), Stone Fruit (Apples, Peaches, Cherries)	200 ml/ha	Apply 14-21 days after emergence
Grapes		1st application full flower, 2nd application at small fruit stage, 3rd application 21 days after 2nd
Tubers/Root Vegetables (Beets, Radish, Carrots, Potatoes, Sweet Potatoes)	400 ml/ha	1st application leaf-out/pre-bloom, 2nd application petal fall, 3rd application after harvest
Leafy Vegetables (Celery, Lettuce, Spinach)		1st application at transplant, 2nd application during mid-season growth
Fruiting Vegetables (Tomatoes, Peppers, Eggplant)		1st application at early bloom stage, 2nd application at 3-5 leaf stage, 3rd application pod filling stage
Legumes (Peas, Beans, Soy)		1st application at 3-5 leaf stage, 2nd application pod filling stage
Corn (Sweet, Field), Small Grains (Barley, Wheat)		Application at 3-5 leaf stage or 6-8 days after full bloom
Turf (Bluegrass, Rye, Fescue)	20-40 ml/100 m <sup>2</sup>	1st application when seeded grass becomes established or at the beginning of the season for perennials. Repeat as necessary.

**HYDROPONICS AND MEDICAL MARIJUANA:**  
DIL ROCK WOOL/COCO - ADD TO RESERVOIR FEED:  
Method 1 - add 3.5 ml/10 L water weekly through transplant, grow and bloom.  
Method 2 - add 3.5 ml/10 L water weekly through transplant, grow and bloom.  
Throughout Bloom weeks 5, 6 & 7.

☐ 4 L (4.2 Kg)  
☐ 6 L (6.3 Kg)

**Cytokelp** is an organic-based plant biostimulant that contains the natural plant growth stimulant Kinetin, as well as Yucca Extract, Calcium and Magnesium, and is derived from kelp extract. Kinetin, a cytokinin, is native to many plants, and acts as a growth rate stimulant by stimulating cell proliferation and differentiation. When applied exogenously, Kinetin can funnel resources toward the rapid growth of shoots and leaves. Reduce transplant shock, increase number and size of fruits, flowers, grains and pods, improve crop yield and stimulate rapid growth of your crops by using **Cytokelp**.

## ADVANTAGES & BENEFITS

- Contains An Organic Surfactant
- Enhances Plant Growth & Development
- Supports Plant Growth
- Can Reduce Transplant Shock

## BACKGROUND

- Cytokinins are a class of plant signaling molecules that are involved in the regulation of growth and development throughout the entire life cycle of most plants. Concentrations are highest in developing tissues like root tips and the shoot apex, due to their role in growth promotion
- Kinetin and other cytokinins have been proven to positively regulate traits like grain or fruit size and biomass
- Yucca is a natural surfactant and when added to biostimulants can increase their effectiveness and add additional protection against drought, heat, salt and UV stress
- Kelp is a source of organic potassium and contains natural biostimulants such as cytokinins and auxins

CROP	APPLICATION RATES
Canola, Cabbage, Broccoli, Cauliflower, Brussel Sprouts, Cucumbers, Squash	Apply 200ml/ha 14-21 days after emergence
Small Grains (Barley, Wheat), Corn	400ml/ha - Application 6-8 days after full bloom
Legumes (Peas, Beans, Soy)	400ml/ha - 1st application at 3-5 leaf stage. 2nd (optional) Pod filling stage
Fruiting Vegetables	400ml/ha - 1st application at transplant. 2nd application at early bloom stage
Tubers/Root Vegetables	400ml/ha - 1st application at initiation stage. 2nd application 21 days after first
Leafy Vegetables	400ml/ha - 1st application at transplant. 2nd application during mid-season growth
Fruit Trees (Apples, Peaches, Cherries)	400ml/ha: 1st application full flower. 2nd application at small fruit stage. 3rd application 21 days after 2nd
Grapes	400ml/ha - 1st application leaf-out/pre-bloom. 2nd application petal fall. 3rd application after harvest
Turf (Bluegrass, Rye, Fescue)	20-40 ml/100m <sup>2</sup> - 1st application when seeded grass becomes established or at the beginning of the season for perennials. Repeat as necessary



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