

## Comparisons that make a difference

# MaxiFlora

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### Technical Attributes:

Cytokin = 360 ppm Cytokinins  
*MaxiFlora* = 300 ppm Cytokinins

*MaxiFlora* is.....  
20% less concentrated, but is  
380% less expensive

For more information contact:

### Pricing Attributes:

Product	Retail\$/gallon
Acadian	46.60
Cytokin	96.00
Goemar	42.50
Triggrr	114.00
<i>MaxiFlora</i>	30.00

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*“Our technology is a billion years old”*



## MAXIFLORA

For those conventional and organic growers requiring the benefits of foliar fertilizers, MAXIFLORA is a natural potassium and seaweed based foliar fertilizer that promotes growth over that experienced with fertilizers alone. Unlike products such as: Acadian, Cytokin, Goemar, and Triggrr; MAXIFLORA provides a competitive advantage in both decreased cost and increased effectiveness.

*Maxiflora* is a liquid plant hormone product containing cytokinins from natural seaweed sources. *Maxiflora* is used to supplement the natural hormone level in plants to promote and sustain flowering, flower set, fruit retention and fruit development to increase productivity and yields.

### WHY SEAWEED?

Seaweed, growing naturally, is constantly worn down by tides and eaten by fish, so it has adapted, growing rapidly to survive. Studies at the University of California have shown that a frond of seaweed can grow a foot a day. The same growth hormones that prompt such rapid growth in seaweed, when applied to plants as a foliar spray, can increase the speed of cell division and elongation in those plants. Likewise, seaweed is naturally rich in micronutrients such as iron, copper, zinc, boron and manganese, and a foliar formulation makes the nutrients and hormones available to the plants more quickly.

### WHY CYTOKININS?

Plant hormones are a critical part of plant growth and Cytokinins are one of four hormones necessary for optimum plant growth. In plants, cytokinins are products of root activity which are transported within the plant from the root to the sprout and leaf where they remain. Cytokinin applied to plants as foliar sprays are taken into the plant and are therefore systemic. The primary modes for activity are as follows:

Induction of cell division and regulation of differentiation - This activity by cytokinins has a direct application to crop production. By increasing leaf size thru cell enlargement, explains the observations that cytokinins reduce stress. When plants are stressed, root growth is slowed or stops. The supplemental application of cytokinin to leaves causes cell division to re-start the production of cells into flower buds, leaf buds or root buds, so that the plant can grow out of a stressful situation.

Cell enlargement - Cytokinins in synergy with gibberelins cause enlargement of leaves and fruit by stimulating cell enlargement. This is particularly valuable to fruit and nut crops for fruit sizing. **DO NOT APPLY MAXIFLORA TO MATURE FRUIT AS PHYTOTOXICITY MAY OCCUR.**

Delay of senescence - Cytokinins delay the aging process in plant tissue by preventing chlorophyll loss which results in maintaining protein, RNA and DNA in the plant. The anti-senescence activity of cytokinins increase productivity in crops that are stressed by

multiple harvests by delaying the aging process through increased root growth.

Apical dominance - Cytokinins overcome apical dominance which is a benefit in many crops. The first fruit that is set tends to repress the development of the other fruit on that stem or branch. When apical and fruit dominance is suppressed more rapid flowering and fruit development occur. This activity causes more uniform fruit size and maturity.

The above properties combine to make *Maxiflora* a versatile tool for crop production. For those growers who have been using seaweed products *Maxiflora* is a proven lower cost alternative. If you are not using seaweed foliar currently, the affordability of *Maxiflora* allows the use of this powerful cultural tool.

### USE GUIDELINES

*Maxiflora* is used at a program rate of 0.5 to 2.0 gallons per acre per season, split into multiple applications of 1 pint to 2 quarts. Generally, applications begin at floral initiation and continue at 1 to 2 week intervals thru fruit set. *Maxiflora* is tank-mix compatible with most pesticides and fertilizers, however always jar-test any newly attempted combinations. Please see the *Maxiflora* label for crop specific rates and timings.

For more information on this or any other BioSci product, and the dealer nearest you call 1-800-USA-BIO1.