

Stimplex[®]

CROP BIOSTIMULANT



KEEP OUT OF REACH OF CHILDREN CAUTION

ACTIVE INGREDIENT

Cytokinin (as Kinetin)* 0.01%

OTHER INGREDIENTS 99.99%

TOTAL 100.00%

*100 ppm of Kinetin activity

EPA EST. NO.: 67016-CAN-002

EPA REG. NO.: 75287-3

NET CONTENTS: 2.5 U.S. Gal.

FIRST AID

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a Poison Control Center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye.
 - Call a Poison Control Center or doctor for treatment advice.
- Have the product container label with you when calling a Poison Control Center or doctor or going for treatment.

For emergency information on product, use, etc., call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the Poison Control Center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves; shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergents and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Manufactured by:

**Acadian
Plant Health**

Sustainably Empowering Plants.

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Stimplex®

CROP BIOSTIMULANT

GENERAL INFORMATION

STIMPLEX® is a plant growth regulator extracted from specially selected marine plants that:

- Improve crop quality
- Improve resistance to biotic and abiotic stresses
- Increase yield
- Increase root growth and early plant development
- Enhance overall plant health
- Increase fruit set and size

See attached booklet for Directions for Use, Worker Protection Labeling and Storage and Disposal.

SEE OTHER SIDE FOR FIRST AID STATEMENTS

WARRANTY STATEMENT

Acadian Seaplants warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Crop injury, ineffectiveness or other unintended consequences may result because of factors such as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Acadian Seaplants. To the extent consistent with applicable law, Acadian Seaplants will not accept liability for consequential, special or indirect damages resulting from the use or handling of this product, not in accordance with this label. Acadian Seaplants makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read, understand and follow the precautions and directions on the labeling before using.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only certified handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with labeling with the Worker Protection Standard, 40 CFR Part 155. The Standard contains provisions for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the labels and personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours unless wearing the appropriate PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes Plus Socks

GENERAL INFORMATION

STEMPLIX™ is a plant growth regulator extracted from specially selected marine plants that:

- Improve resistance to biotic and abiotic stresses
- Increase root growth and early plant development
- Increase yield
- Enhance overall plant health
- Increase fruit and seed size
- Enhance crop quality

MIXING INSTRUCTIONS:

STEMPLIX™ is suitable for use in conventional liquid application systems.

COMPATIBILITY:

STEMPLIX™ is compatible with most insecticides, fungicides and fertilizers. When mixing with calcium products, thoroughly mix **STEMPLIX™** with the water in the tank prior to adding the calcium product. If interaction of chemicals is unknown, a "jar" compatibility test is suggested.

PREHARVEST INTERVAL

STEMPLIX™ can be applied up to and including the day of harvest.

APPLICATION RATES AND TIMING

STEMPLIX™ can be used up to 200 fluid ounces per acre per application.

Foliar Applications: Fill half the spray tank with water, begin agitating and gradually add **STEMPLIX™** until the water reaches the solution. Continuously agitate the spray tank. Apply **STEMPLIX™** in a minimum of 2 gallons of water per acre. Use a higher water volume when necessary for full coverage. **STEMPLIX™** should not be foliar applied during times of moisture or heat stress. For best results, apply during the cool part of the day when temperatures are below 85 degrees Fahrenheit. Use a surfactant for maximum coverage and leaf adherence. Adjust application rates for semi-arid crops based on plant size and leaf area.

Soil Applications: Make soil-applied treatments by mixing with soil-powder fertilizers, as directed sprays to the soil, as side dress treatments, or as applications through the irrigation system or other means to effectively apply **STEMPLIX™** to the soil. Continuously agitate the spray tank. Apply **STEMPLIX™** in a minimum of 2 gallons of water per acre. Use a higher water volume when necessary for full coverage. Apply **STEMPLIX™** through drip, microjet, sprinkle, overhead, furrow, flood and other types of irrigation at the labeled rates. Avoid heavy irrigations immediately following application.

Rooting/Transplant Solution: Treat roots with a solution of **STEMPLIX™** at the rate of 0.15-1.00% solution (129 fluid ounces per 100 gallons of water) prior to transplanting.

Drench Treatment: Apply **STEMPLIX™** as a soil drench at the rate of 0.30%-0.70% solution (38-90 fluid ounces per 100 gallons of water). Make applications at 1-3 week intervals throughout the growing season.

Late Season Applications: Apply **STEMPLIX™** to the soil or foliage using the above methods. **STEMPLIX™** can be applied up to and including the day of harvest.

Post-harvest Applications: Apply **STEMPLIX™** to the soil or foliage after harvest using the above methods. **STEMPLIX™** is not intended to be applied directly to an edible food commodity after harvest.

Plants Grown in Hydroponic Systems: In substrate culture systems, apply **STEMPLIX™** at 0.50 to 1.50 fluid ounces per 100 gallons of water continuously with each fertigation cycle. In closed systems, apply 0.50 to 1.50 fluid ounces per 100 gallons of water every 7-14 days.

The active ingredient in **STEMPLIX™** is exempt from the requirement for a tolerance for residues in and on all food commodities.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a cool place and out of direct sunlight.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container by application according to label directions. If waste cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (where such programs are run by a state or local governments or by industry).

CONTAINER HANDLING

Nonrefillable containers: Do not reuse or refill this container. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recp. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat these steps two more times. Then offer for recycling or reconditioning or puncture or dispose in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable container greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. To container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Tilt the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture or dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SUPPLEMENTAL LABELING FOR STEMLIX™ CHEMIGATION GENERAL

1. Apply **STEMPLIX™** only through Micro sprinker (including center pivot, lateral move, end row, side side) wheel, traveler, big gun, solid set or hand move), flood (basin, furrow, border or drip (trickle) irrigation) systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

2. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

3. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

4. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPECIAL INSTRUCTIONS FOR USE OF PUBLIC WATER SOURCES

1. Public water system means a system for the provision of public water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 80 days of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete air break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent flow from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

8. A pesticide supply tank is suggested. Dilute 1 part **STEMPLIX™** with at least 5 parts water before adding to the supply tank. Continuous agitation of supply tank is suggested during application or injection into the chemigation system. For mixing instructions and compatibility information, see general use on container label.

9. **STEMPLIX™** should be applied during the last third of the water application.

SPECIAL INSTRUCTIONS FOR SPRINKLER (CHEMIGATION) SYSTEMS

1. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent flow from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking control to automatically shut off the pesticide injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

8. A pesticide supply tank is suggested. Dilute 1 part **STEMPLIX™** with at least 5 parts water before adding to the supply tank. Continuous agitation of supply tank is suggested during application or injection into the chemigation system. For mixing instructions and compatibility information, see general use on container label.

9. **STEMPLIX™** should be applied during the last third of the water application.

SPECIAL INSTRUCTIONS FOR DRIP IRRIGATION (CHEMIGATION) SYSTEMS

1. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent flow from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. A pesticide supply tank is suggested. Dilute 1 part **STEMPLIX™** with at least 5 parts water before adding to the supply tank. Continuous agitation of supply tank is suggested during application or injection into the chemigation system. For mixing instructions and compatibility information, see general use on container label.

8. **STEMPLIX™** should be applied during the last third of the water application.

SPECIAL INSTRUCTION FOR FLOOD, FURROW AND BORDER IRRIGATION (CHEMIGATION) SYSTEMS

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir to decrease potential for water source contamination from backflow if water flows stops.

2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

b. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent flow from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

3. A pesticide supply tank is suggested. Dilute 1 part **STEMPLIX™** with at least 5 parts water before adding to the supply tank. Continuous agitation of supply tank is suggested during application or injection into the chemigation system. For mixing instructions and compatibility information, see general use on container label.

4. **STEMPLIX™** should be applied during the last third of the water application.

CROP APPLICATION RATES AND STAGES

FRUIT CROPS

DISBERRIES (Riberry, Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Jostaberry, Juneberry, Lingonberry)

32 TO 96 FLUID OUNCES PER ACRE

1st application: 4 weeks pre-bloom

2nd application: 2 weeks pre-bloom

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

CANEBERRIES (Blackberry, Loganberry, Raspberry)

32 TO 96 FLUID OUNCES PER ACRE

1st application: 4 weeks pre-bloom

2nd application: 2 weeks pre-bloom

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

HONEYSUCKLE

32 TO 96 FLUID OUNCES PER ACRE

Make applications every 2-3 weeks during the growing season

STRAWBERRY

40 TO 96 FLUID OUNCES PER ACRE

Pre-pollination: 0.15-1.00% solution

Repeat: soil applications every 2 weeks until harvest is complete

HONEYCUCUR

32 TO 96 FLUID OUNCES PER ACRE

1st application: 4 weeks pre-bloom

2nd application: 2 weeks pre-bloom

Repeat: every 2-4 weeks during summer months

Repeat: every 2-4 weeks

Soil applications during root flush

Apply prior to stress and fruit drop periods

FIGS

64 TO 128 FLUID OUNCES PER ACRE

1st application: at start of growth in the spring

Repeat: every 2-4 weeks

Post-harvest application: 2-4 weeks after harvest

GRAPES (Wine)

40 TO 128 FLUID OUNCES PER ACRE

1st application: 1-4 inch shoot growth (foliar and soil)

2nd application: 10-12 inch shoot growth (foliar and soil)

3rd application: 5 days pre-bloom (foliar)

Avoid foliar pre-bloom application in varieties that are prone to under shatter. Use high rate in pre-bloom sprays on varieties that tend to over shatter.

4th application: 'BB' sized berries (2-3mm) (foliar)

5th application: veraison (foliar and soil)

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

GRAPES

(Table, Raisin and Juice)

40 TO 128 FLUID OUNCES PER ACRE

1st application: 1-4 inch shoot growth (foliar and soil)

2nd application: 10-12 inch shoot growth (foliar and soil)

3rd application: 5 days pre-bloom (foliar)

Avoid foliar pre-bloom application in varieties that are prone to under shatter. Use high rate in pre-bloom sprays on varieties that tend to over shatter.

4th-6th applications: sizing sprays (foliar)

7th application: veraison (foliar and soil)

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

KIWIFRUIT

64 TO 128 FLUID OUNCES PER ACRE

1st application: at start of growth in the spring

2nd application: 2 weeks pre-bloom

3rd application: petal fall

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

OLIVES

64 TO 128 FLUID OUNCES PER ACRE

1st application: late winter

2nd application: pre-bloom

Repeat: every 2-4 weeks

Post-harvest application: 2-4 weeks after harvest

POME FRUIT

(Apple, Asian Pear, Crabapple, Hawthorne (Azarole), Loquat, Mispain, Medlar, Pear, Quince, Tujegold)

40 TO 128 FLUID OUNCES PER ACRE

1st application: pre-pink bud

2nd application: pre-bud

3rd application: 7-10 days post petal fall

4th application: 1/2-3/4 inch fruit

Repeat: every 2-4 weeks

Post-harvest application: 2-4 weeks after harvest

POMEGRANATE

64 TO 128 FLUID OUNCES PER ACRE

1st application: at start of growth in the spring

Repeat: every 2-4 weeks

Post-harvest application: 2-4 weeks after harvest

STONE FRUIT (Apricot, Capulin,Chokecherry, Nectarine, Peach, Plum, Plumcot, Prune, Sloe)

48 TO 128 FLUID OUNCES PER ACRE

1st application: pink or white bud

2nd application: petal fall

3rd application: jacket split

Repeat: every 2-4 weeks

Post-harvest application: 2-4 weeks after harvest

CERRY

48 TO 128 FLUID OUNCES PER ACRE

1st application: white bud

2nd application: petal fall to shuck fall

3rd application: exposed young fruit

4th application: straw color

Apply with gibberellin spray. Avoid sprays after straw-colored fruit on non-gibberellin blocks where early market is desired.

Repeat: during times of stress

Post-harvest application: 2-4 weeks after harvest

VEGETABLE CROPS

ARTICHOKE

72 TO 96 FLUID OUNCES PER ACRE

1st application: soil or transplant treatment at planting
Repeat: soil or foliar applications every 2-3 weeks until harvest is complete

ASPARAGUS

32 TO 96 FLUID OUNCES PER ACRE

Pre-plant: dip roots in a solution of 10 to 25 fluid ounces per 20 gallons of water prior to transplanting
For newly established plants, make soil or foliar applications at emergence.

Repeat: every 2-3 weeks

For mature plantings, make applications every 2-3 weeks once harvest is complete and ferns are growing.

BRASSICA (COLE) LEAFY VEGETABLES (Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Cavalo Broccoli, Collard Greens, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, Tatsoi, Turnip Greens)

40 TO 96 FLUID OUNCES PER ACRE

1st application: soil or transplant treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest is complete

BUILD VEGETABLES

 (Chive, Garlic, Leek, Lily, Onion, Shallot)

40 TO 96 FLUID OUNCES PER ACRE

1st application: soil applied treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest is complete

CUCURBIT VEGETABLES (Chayote (fruit), Citron Melon, Cucumber, Gherkin, Gourd, Momordica, Muskmelon (includes Cantaloupe), Pumpkin, Squash, Watermelon)

40 TO 96 FLUID OUNCES PER ACRE

1st application: soil or transplant treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest is complete

FRUITING VEGETABLES

(Cocona, Eggplant, Garden Huckleberry, Goli Berry, Groundcherry, Marjinya, Naranjilla, Pepper, Peppino, Rose, Sunberry, Tomato, Tomatillo)

40 TO 96 FLUID OUNCES PER ACRE

1st application: soil or transplant treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest is complete

LEAFY VEGETABLES (Anguria (Rouquette), Cardon, Celery, Celtauce, Fern, Chinese Spinach, Com Salad, Cress, Dock (Sorrel), Endive (Escarole), Fenell, Lettuce, Orach, Parsley, Purslane, Radchio (Red Chicory), Rhubarb, Spinach, Swiss Chard)

40 TO 96 FLUID OUNCES PER ACRE

1st application: foliar application at the 4-leaf stage

Repeat: foliar application every 2-3 weeks until harvest is complete

LEGUMES

(Bean (Lupinus), Bean (Phaseolus), Bean (Vigna), Broad Bean (Fava), Chickpea (Sarbanto), Guar, Jackbean, Lablab Bean, Lentil, Piss (Peanut), Pigeon Pea)

32 TO 96 FLUID OUNCES PER ACRE

1st application: soil applied treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest

OKRA

48 TO 96 FLUID OUNCES PER ACRE

1st application: soil or transplant treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest

ROOT AND TUBER (Amarcacha, Arrowroot, Beet, Burdock, Canna, Camr, Cassava, Celerric, Chayote, Chenrill, Chicory, Chufa, Dashen (Bam), Ginger, Ginseng, Horseradish, Lenten, Parsley, Parsnip, Potato, Radish, Rutabaga, Salsify, Skirret, Sugar Beet, Sweet Potato, Taniar, Turmeric, Turnip, Turnip-rooted, Yam)

32 TO 96 FLUID OUNCES PER ACRE

1st application: soil applied treatment at planting

Repeat: soil or foliar applications every 2-3 weeks until harvest

VEGETABLE GROWN FOR SEEDS

32 TO 96 FLUID OUNCES PER ACRE

1st application: at planting (soil)

Repeat: every 2-3 weeks

Apply as foliar spray pre-bloom and 7-10 days before beginning "dry down" prior to harvest.

FIELD CROPS

CORN

 (Fresh, Sweet, and Pop)

32 TO 96 FLUID OUNCES PER ACRE

1st application: soil treatment at planting

2nd application: soil or foliar applications at the pre-tassel stage
Applications can be made either foliar or to the soil.

Apply 3-5 days prior to an anticipated plant stress.

SEED CORN

32 TO 96 FLUID OUNCES PER ACRE

Apply starting at planting with repeat treatments every 1-4 weeks
Applications can be made either foliar or to the soil.

Apply 3-5 days prior to an anticipated plant stress.

HOPS

32 TO 96 FLUID OUNCES PER ACRE

Apply every 2-4 weeks

LUPINE

32 TO 96 FLUID OUNCES PER ACRE

1st application: 3-7 trifoliate leaf stage

2nd application: 2-3 weeks later

SORGHUM

32 TO 96 FLUID OUNCES PER ACRE

Make applications between 2-6 leaf stage

SUGAR CANE

32 TO 96 FLUID OUNCES PER ACRE

1st application: soil applied treatment at planting

Repeat: soil or foliar applications every 2 weeks until harvest is complete

TROPICAL FRUIT CROPS

AVOCADO

64 TO 128 FLUID OUNCES PER ACRE

1st application: pre-bloom

2nd application: post-bloom

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

BAHAMA/PLANTAIN

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-3 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

CACAO

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

COFFEE

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

GIUAVA

40 TO 96 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

JUJUBE

64 TO 128 FLUID OUNCES PER ACRE

1st application: pre-bloom

2nd application: post-bloom

Repeat: every 2-4 weeks

LYCHEE

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

MANGO

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

PALM (COCONUT, DATES, OIL)

64 TO 96 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

PAPAYA

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

PASSION FRUIT

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

PINEAPPLE

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks during the growth and fruit development periods.

STARFRUIT

64 TO 128 FLUID OUNCES PER ACRE

Foliar or soil application at planting

Repeat: every 2-4 weeks

Post-harvest application: every 2-4 weeks after harvest

Apply 3-5 days prior to an anticipated plant stress.

TREE NUTS

ALMOND

64 TO 128 FLUID OUNCES PER ACRE

1st application: pre-bloom

2nd application: petal fall

3rd application: before summer heat stress (late May-early June)

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

HAZELNUT

40 TO 128 FLUID OUNCES PER ACRE

1st application: pre-bloom

2nd application: post-bloom

Repeat: every 2-4 weeks until harvest

Post-harvest application: 2-4 weeks after harvest

PISTACHIO

40 TO 128 FLUID OUNCES PER ACRE

1st application: at early bud break

2nd application: at bloom

Repeat: every 2-4 weeks during summer months

Post-harvest application: 2-4 weeks after harvest

OTHER NUTS

 (Bechnut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Hickory Nut, Macadamia Nut, Pecan, Walnut)

64 TO 128 FLUID OUNCES PER ACRE

1st application: pre-bloom

2nd application: approximately 2 weeks after bloom

ORNAMENTALS

DECIDUOUS, CONIFEROUS TREES AND SHRUBS

48 TO 128 FLUID OUNCES PER ACRE

(1-3 FLUID OUNCES PER 1,000 SQUARE FEET)

1st application: at the initiation of new growth

Repeat: every 2-3 week intervals during the growing season

Apply 3-5 days prior to an anticipated plant stress (winter kill, frost, heat).

FIELD ORNAMENTALS

32 TO 68 FLUID OUNCES PER ACRE

Apply to the root zone and/or foliage every 1-2 weeks

GREENHOUSE ORNAMENTALS

32 TO 68 FLUID OUNCES PER 1,000 GALLONS OF WATER.

Make regular applications (drench or foliar) every 2-3 weeks