**Active Ingredients:**
- Cytokin (as kinetin, based on bioassay) \( \ldots \) 0.01% (includes:
  - 6-(4-hydroxy-3-methylbut-2-en-2-ylamino)purine
  - 4-methylaminopurine,
  - 4-dimethylaminopurine,
  - 4-propylaminopurine
- Auxin:
  - Indole-3-butyric acid \( \ldots \) 0.005%
  - Gibberellic acid A_3 \( \ldots \) 0.004%
- Other Ingredients \( \ldots \) 29.95%
- Total \( \ldots \) 100.00%

---

**FIRST AID**

**If swallowed:**
- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If inhaled:**
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call poison control center or doctor for further treatment advice.

**If on skin or clothing:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call 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 poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also call 1-800-222-1222 24 hours a day for emergency medical treatment information.

---

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

EPA Registration Number 90930-2-46661
EPA Establishment # 45246-211, 90930-PA-0001

MANUFACTURED BY:
Miller Chemical & Fertilizer, LLC
P.O. Box 333, 120 Radio Road
Hanover, PA 17331

MANUFACTURED FOR:
West Central Distribution, LLC
2710 Trott Avenue SW, P.O. Box 897
Willmar, MN 56201

---

**NET CONTENTS:** 2.5 Gallons

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**SEE INSIDE THIS LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

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2700 Trott Ave. SW • P.O. Box 897 • Willmar, MN 56201 • 320-235-8518 • www.wcdst.com
Active Ingredients:
Cyhalothrin (as kēnke, based on bioassay) .................................................. 0.017%
Includes:
6,9-dihydro-3-ethoxy-6-trans-2-erythro-purine
N,N,N-trimethylamipome, N,N-dimethylamipome,
N,N-dipropanamipome
Auxes:
Fmex-3-butylc acid.......................................................... 0.005%
Gibberellic acid A1 .................................................. 0.004%
Other Ingredients.................................................. 99.981%
Total.................................................. 100.000%

KEEP OUT OF REACH OF CHILDREN
WARNING

EPA Registration Number 89300-2-66661
EPA Establishment # 2-4524-MN-1, 89300-PH-0001

MANUFACTURED BY:
Miller Chemical & Fertilizer, LLC
P.O. Box 334, 130 Radio Road
Hanover, PA 17331

MANUFACTURED FOR:
West Central Distributors, LLC
2700 Trott Avenue SW, P.O. Box 897
Willmar, MN 56201

FIRST AID

If swallowed Call poison control center or doctor immediately for treatment advice.
Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Do not give anything by mouth to an unconscious person.

If inhaled Move person to fresh air.
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
Call poison control center or doctor for further treatment advice.

If in skin or clothing Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15-20 minutes.
Call 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 poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
You may also call 1-800-222-1212 24 hours a day for emergency medical treatment information.

SEE INSIDE THIS LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET CONTENTS: 2.5 Gallons

2700 Trott Ave, SW • P.O. Box 897 • Willmar, MN 56201 • 320-233-3518 • www.wcdsl.com
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes eye irritation. Harmful if absorbed through skin or swallowed. Avoid contact with eyes, skin, or clothing. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling.

Personal Protective Equipment

Applicators and other handlers must wear long-sleeved shirt and long pants and shoes or boots, and protective eyewear. Follow manufacturer’s instructions for cleaning/maintaining personal protective equipment. If no such instructions for nonlinting, wear a lint-reducing mask or respirator. Keep personal protective equipment separately from other clothing. When handling equipment, use closed systems, enclosed cabinets, or enclosures in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 1910.147(d)(4)). The handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Requirements

Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on fresh clothing.
- Remove personal protective equipment immediately after handling the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial Use: Do not apply directly to water or to areas where surface water is present or to adjacent areas below the mean high water mark. Do not contaminate water when disposing of equipment, washwater or waste.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Before using Cygolite read and follow the precautions appearing on the label.

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements 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 statements on the label about personal protective equipment (PPE), notification to workers 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.

PPE required for entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plastic sheet, or water covered with water soluble gloves and shoes or boots.

Chemigation System

Apply Cygolite through the following types of systems: spin-in, including center pivot, lateral move, and line, side roll, trolley, drop, solid axle, or hand move; or drip (direct) irrigation systems. Do not apply this product through any other type of system.

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

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

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

Chemigation System Connected to Public Water Systems

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals at least 69 days out of the year.
Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer, 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 physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

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 fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

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

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

Supply pesticide tank agitation, especially if product is to sit in tank for over 6 hours.

Cyanogen may be applied continuously for the duration of water application or with the first quarter to one-half of the watering period.

Mixing instructions: Fill supply tank to 1/4 to 1/2 full. Add Cyan and complete filling.

Sprinkler or Drip (Trickle) Chemigation

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

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

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 fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump when the water pressure decreases to the point where pesticide distribution is adversely affected.

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

Supply pesticide tank agitation, especially if product is to sit in tank for over 6 hours.

Cyanogen may be applied continuously for the duration of water application or with the first quarter to one-half of the watering period.

Mixing instructions: Fill supply tank to 1/4 to 1/2 full. Add Cyan and complete filling.

Use Cyan in combination with a well-balanced fertility program and good management practices. Miller Chemical & Fertilizer, LLC advises the use of soil and tissue testing, and additional nutrients and micronutrients as needed.

Refer to Label Insert for application instructions.
STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent contact with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in locked storage area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

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 with water and swirl. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinsates for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

LIMITED WARRANTY

MANUFACTURER warrants that this product (1) conforms to the ingredient statement on the label and (2) is reasonably fit for the purposes set forth in Directions for Use. EXCEPT AS WARRANTED, THE PRODUCT IS SOLD 'AS IS,' MANUFACTURER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

The manufacturer's directions regarding uses of this product are based on tests believed to be reliable. All statements made concerning this product apply only when used as directed, unless normal use conditions. FOLLOW DIRECTIONS CAREFULLY.

Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage or handling of this product in the extent allowable by State Law.

Cyglin

For use as a Plant Hormone Supplement

APPLICATION INSTRUCTIONS

SHAKE WELL BEFORE USING

Good growing conditions are necessary for the maximum benefits from utilization of Cyglin. Use a well-balanced nutrient program for maximum gain from the use of Cyglin. Cyglin, in any of its applications, is not intended to replace fertilizer or to supply nutrients that would normally be added in a conventional fertility program.

Timing of the foliar spray application is very important. Always follow directions precisely. Do not apply within eight hours of forecast rain. For best results, apply Cyglin in the early morning or late afternoon, especially when temperature exceeds 90°F (32°C).

TRANSPLANTS: For a quick start, dip roots in a solution of 1 tablespoon Cyglin per gallon of water prior to transplanting or drench flats with a solution of 1/2 oz. per gallon of water.

CROP USE GUIDELINES

This product is cleared for use on all soy and all crops.

For local use information for major and minor crops, contact your PCA or local distributor representative.

For maximum benefit, all foliar applications should include Calcium EDTA or other highly available calcium source in the tank mix.

<table>
<thead>
<tr>
<th>CROP</th>
<th>OZ/ACRE (each application)</th>
<th>TIMING AND FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cotton</td>
<td>1-2 fl. oz.</td>
<td>Apply in seed furrow.</td>
</tr>
<tr>
<td></td>
<td>2 fl. oz.</td>
<td>Spray in a band at 1 to 3 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>3-4 fl. oz.</td>
<td>Spray at pinhead or match head square.</td>
</tr>
<tr>
<td></td>
<td>6-8 fl. oz.</td>
<td>Spray at early bloom and to late bloom.</td>
</tr>
<tr>
<td>Corn (field)</td>
<td>2 fl. oz.</td>
<td>Apply in seed furrow at planting.</td>
</tr>
<tr>
<td></td>
<td>6 fl. oz.</td>
<td>Spray in band at 6 to 7 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>6 fl. oz.</td>
<td>Repeat 3 weeks later.</td>
</tr>
</tbody>
</table>

(continued)
<table>
<thead>
<tr>
<th>CROP</th>
<th>OZ/ACRE (each application)</th>
<th>TIMING AND FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn (sweet, popcorn)</td>
<td>2 fl. oz.</td>
<td>Apply in furrow prior to planting or with seed.</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>Spray in a band at 3 to 5 leaf stage (12” to 16”).</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>Repeat 2 weeks later.</td>
</tr>
<tr>
<td>Rice</td>
<td>0 fl. oz.</td>
<td>Spray at 3 to 7 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>Spray at panicle differentiation.</td>
</tr>
<tr>
<td>Sorghum (Mil)</td>
<td>2 fl. oz.</td>
<td>Apply in seed furrow at planting.</td>
</tr>
<tr>
<td></td>
<td>4 fl. oz.</td>
<td>Banded row of 5 to 7 leaf stage.</td>
</tr>
<tr>
<td>Soybeans</td>
<td>4 fl. oz.</td>
<td>Broadcast preplant incorporated with herbicide or 1-2 fl. oz./row in furrow with seed.</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>Spray at third to fourth trifoliate.</td>
</tr>
<tr>
<td>Sugar Beets</td>
<td>2 fl. oz.</td>
<td>Apply in seed furrow at planting.</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>Spray at pod fill.</td>
</tr>
<tr>
<td></td>
<td>0 fl. oz.</td>
<td>30 days after first application</td>
</tr>
<tr>
<td>Watermelon</td>
<td>0 fl. oz.</td>
<td>For winter grazing; Apply two weeks after emergence.</td>
</tr>
<tr>
<td>Barley, Rye</td>
<td>4-6 fl.oz</td>
<td>Make a second application when spring growth begins after vernalization to increase grain production.</td>
</tr>
<tr>
<td>Spring wheat, Barley, Rye, Oats</td>
<td>6 fl. oz.</td>
<td>Sprays when plants have 3 to 5 true leaves emerged.</td>
</tr>
<tr>
<td>Forage crops - Legumes or grasses</td>
<td>0-16 fl. oz.</td>
<td>Treat seed with Atrazine Seeding Booster.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sprays Cyglin 4 to 6 weeks after emergence and monthly thereafter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sprays Cyglin at 6 to 8 leaf stage.</td>
</tr>
<tr>
<td>Seed production</td>
<td>8-16 fl. oz.</td>
<td>On established crops: spray Cyglin at the beginning of inflorescence development (early flowering) and again 2 weeks later.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spray 8 to 16 oz/acre at the beginning of bloom.</td>
</tr>
<tr>
<td>Asparagus</td>
<td>12 fl. oz.</td>
<td>Spray fern 2 weeks after last harvest.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 fl. oz.</td>
</tr>
<tr>
<td>Beans (all)</td>
<td>3 fl. oz.</td>
<td>Spray/banded at the trefoilicate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 fl. oz.</td>
</tr>
<tr>
<td>Broccoli, Cauliflower, Celery, Brussels Sprouts</td>
<td>2 fl. oz.</td>
<td>Band 2 weeks after transplant.</td>
</tr>
<tr>
<td>Carrots, Beets, Other root crops</td>
<td>0-12 fl. oz.</td>
<td>Apply when seedlings have 3 to 5 leaves.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 fl. oz.</td>
</tr>
</tbody>
</table>

(continued)
<table>
<thead>
<tr>
<th>CROP</th>
<th>QUANTITY (each application)</th>
<th>TIMING AND FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cucurbita: melon, watermelon, Cucumbers, cucumbers, Squash</td>
<td>2 fl. oz.</td>
<td>Band at 2 to 4 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>4 fl. oz.</td>
<td>Band when plants show first signs of flowering.</td>
</tr>
<tr>
<td></td>
<td>5 fl. oz.</td>
<td>Broadcast 4 weeks after first application.</td>
</tr>
<tr>
<td>Grapes</td>
<td>4-8 fl. oz.</td>
<td>General: Apply Cygon at 4 oz. with all foliar nutritional or pesticidal sprays. (\textbf{Note:} ) Apply at every 2 to 4 weeks. Harvest: Apply Cygon with high phosphorus fertilizer at 2 to 4 weeks before harvest to enhance sugar accumulation.</td>
</tr>
<tr>
<td>Onions, Garlic</td>
<td>0-10 fl. oz.</td>
<td>Apply at bulb initiation. Repeat at 2 to 4 week intervals for up to 4 applications.</td>
</tr>
<tr>
<td>Peanuts</td>
<td>2 fl. oz.</td>
<td>Two weeks after emergence, banded.</td>
</tr>
<tr>
<td>Peppers</td>
<td>5 fl. oz.</td>
<td>Apply at bloom and at initial peeping.</td>
</tr>
<tr>
<td>Peppers: Bell</td>
<td>2-4 fl. oz.</td>
<td>Band at the 3 to 5 leaf stage.</td>
</tr>
<tr>
<td>Chiles, Cayenne, Jalapeno</td>
<td>4-8 fl. oz.</td>
<td>Apply at 7 to 14 day intervals for 4 to 6 applications.</td>
</tr>
<tr>
<td>Potatoes</td>
<td>4 fl. oz.</td>
<td>Add to fertilizer and incorporate in seed furrow prior to planting.</td>
</tr>
<tr>
<td></td>
<td>5 fl. oz.</td>
<td>Band at 3 days after germination.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast 2 to 4 weeks later.</td>
</tr>
<tr>
<td>Spinach, lettuce, and other leafy vegetables</td>
<td>2-4 fl. oz.</td>
<td>Begin at the 3 leaf stage and apply weekly at 4 to 6 oz. thereafter.</td>
</tr>
<tr>
<td></td>
<td>4-6 fl. oz.</td>
<td></td>
</tr>
<tr>
<td>Squash</td>
<td>3 fl. oz.</td>
<td>Band at 2 to 4 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast at early bloom.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast at 14-day intervals thereafter.</td>
</tr>
<tr>
<td>Sugarcane</td>
<td>10 fl. oz.</td>
<td>Planting: In furrow over newly laid cane. Foliar: 1st: At beginning of ratoon bud extension. 2nd: At beginning of sugar accumulation. 3rd: One to three weeks before harvest.</td>
</tr>
<tr>
<td>Strawberries</td>
<td>8 fl. oz.</td>
<td>Broadcast 2 to 3 weeks prior to coming out of dormancy.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast at early bloom and at 14-day intervals thereafter.</td>
</tr>
<tr>
<td>Tomatoes (processing)</td>
<td>7 fl. oz.</td>
<td>Apply in a band (1/4&quot;) 1 week after transplant or at 5 to 7 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast at early bloom and again 2 weeks later.</td>
</tr>
<tr>
<td>Tomatoes (fresh market)</td>
<td>2 fl. oz.</td>
<td>Apply in a band (1/4&quot;) 1 week after transplant or at 6 to 8 leaf stage.</td>
</tr>
<tr>
<td></td>
<td>4 fl. oz.</td>
<td>Band 3 weeks later.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Broadcast with calcium or foliar fertilizer every 14 days.</td>
</tr>
<tr>
<td>Nut crops - Almonds, Peanuts, Pecans, Pistachios, Filberts, Walnuts, Cashews</td>
<td>10-32 fl. oz.</td>
<td>Apply Cygon with 10 liters of clean water at mid-nut size and again one month later.</td>
</tr>
<tr>
<td></td>
<td>8 fl. oz.</td>
<td>Add 6 oz of Cygon per acre to each shuck or calcium spray.</td>
</tr>
<tr>
<td></td>
<td>10-32 fl. oz.</td>
<td>Apply prior to flowering. Ask your local PCA for specific regional timing.</td>
</tr>
</tbody>
</table>
All Evergreens: Apple, Cherry, Citrus (Orange, Lemon, etc.); Banana, Gardenia (Fuschia, Plum, etc.); Pear, Musc, Pomeg, Pineapple

Transplants: Follow general transplant instructions. 

**Fruit Trees in Production:** Spray first trees with a mixture of 1 oz. Cyglen per gallon of water (or 1 to 2 parts) in the following growth stages:
1. At bud break to increase pollination efficiency. (Cyglen will not harm bees or pollinating insects)
2. At 1 week after petal fall to promote cell division.
3. At 1 to 2 weeks before fruit drop to reduce physiological stress and reduce fruit drop.
4. At 20 to 30 days after petal fall to increase fruit size.
5. Monthly during fruit growth and development to promote nutrient translocation to produce larger and better quality fruit.

**Non-Bearing Use for TREES, FRUITS, NUTS, BERRIES, SHRUBS AND WOODY ORNAMENTALS:**
To aid in preparation of trees, fruits, berries, softwood cuttings, shrubs and woody ornamentals and to reduce transplant shock, to promote growth and vigor and reduce stress in non-bearing fruit trees such as apple, peach, pear, and grape vines, evergreens such as spruces, firs, pines, junipers, rhododendrons, azaleas, and other evergreen shrubs.

**New plantings:** Spray Cyglen at 1:2 to 1:3 parts per gallon of water (or 1 to 2 parts) to the sprayed surface at planting to improve translocation and reduce petal fall and improve root development.

**Established Plants and Shrubs:** Spray 1:2 to 1:3 parts per gallon of water (or 1 to 2 parts) to the sprayed surface at planting to improve translocation and reduce petal fall and improve root development.

For best results, apply Cyglen with foliar nutrients, micronutrients or secondary nutrient sprays such as calcium, iron, and zinc.

**TURF**

**Spring Application:** Make an early application of 1/2 to 1 fl. oz. Cyglen per 1000 sq. ft. to promote lusher, denser or stiffer growth, to develop a deep root system, and to give the turf a rapid start once winter dormancy is broken and growth begins. Continue monthly 1/2 fl. oz./1000 sq. ft. applications throughout spring and summer. Spring applications is important to develop a deep root system which will condition the turf and reduce the stress of disease and summer heat or low rainfall. Apply Cyglen with iron sulfate for maximum root growth response.

**Fall Applications:** Two to three applications of Cyglen (1/2 to 1 fl. oz. per 1000 sq. ft.) should be made after the application has begun; about eight weeks before the turf becomes dormant and eight weeks before first late frost in the northern states) to promote root growth and provide the grass with the vigor to better endure the stress of winter (reduce winter kill) and improve survival of a good healthy turf for the following spring.

**Golf Greens, Fairways, Football and Soccer Fields, and Baseball Infields and Outfields:** At the beginning of spring growth apply 1 to 2 fl. oz. per 1000 square feet at the breaking of dormancy. Make successive maintenance applications of 1/2 to 1 fl. oz. per 1000 sq. ft. monthly intervals or as needed to maintain root growth, flowering, appearance and vigor throughout the growing season. During periods of intense use apply 1/2 to 1 fl. oz. per 1000 sq. ft. weekly to the greens, infield, or playing field to maintain color, structure and new root growth and vigor between games. Make three applications of 1/2 fl. oz. per 1000 sq. ft. at weekly intervals in the fall beginning about eight weeks before the turf becomes dormant and promote root growth and increase winter dormancy to reduce winter kill.

**Bud:** Spray Cyglen to newly laid sod at 1/2 to 1 fl. oz. per 1000 sq. ft. to promote rooting and increase the rate of sod establishment. Maintain growth and vigor with monthly applications of 1/2 to 1 fl. oz. per 1000 square feet.

**Seed:** Sprinkle Cyglen at 1/2 to 1 fl. oz. per 1000 sq. ft. on seed beds for field or small fields to promote root, leaf and flowering growth, and to bring the crop to harvest more quickly. Maintain accelerated growth with Cyglen applications of 1/2 to 1 fl. oz. per 1000 sq. ft. at 2 to 4 week intervals on an as-needed basis. Sprinkle Cyglen at 1/2 to 1 fl. oz. per 1000 sq. ft. on spaced rows of seed at 1/2 to 1 fl. oz. per 1000 sq. ft. monthly to maintain health and vigor of the turf. Application rate can be increased as needed to condition the turf for stress or for periods of heavy use.
Nutritional needs: For better color response from nitrogen, iron, sulfur, zinc and other nutrient sprays use 1/2 to 1 pt. Cyglin per acre with nutrient spray solution. For greens or smaller area, add 1/2 to 1 fl. oz. Cyglin per 3 to 5 gallons spray solution.

NURSERY AND GREENHOUSE USE

To promote bud differentiation, cell division, root induction and growth, and to reduce apical dominance. Use Cyglin in your watering program or as foliar spray.

Preparation of Cuttings: Dip cuttings in rooting hormone powder or solution and stick in rooting medium. Spray or mist cuttings with a solution of 1 fl. oz. Cyglin to 4 gallons water (1 qt/100 gallons) at weekly intervals until root buds initiate. Then spray at 2 to 4 week intervals.

Transplanting: Add 1 fl. oz. Cyglin per 4 gallons of transplant solution (fertilizer-water). Drench the root zone. Follow with spray to foliar spray or add through irrigation system at 2 to 4 week intervals at the rate of 1 quart per 100 gallons.

Production: To increase growth rate, increase quality and resilience of nursery and greenhouse crops, add 1 fl. oz. Cyglin per 4 gallons (1 qt/100 gallons) of fertilizer or water solution and apply through the irrigation system or via foliar spray.

Nutritional Deficiencies: To promote rapid uptake and correction of nutrient deficiencies in ornamentals and turf, add Cyglin to iron, nitrogen fertilizer, zinc or other nutrient spray solutions at the rate of 1 fl. oz. per 4 gallons (1 qt/120 gallons). Apply as a foliar spray or soil drench.

LANDSCAPE MANAGEMENT (See Turf uses also)

Bedding Plants: Spray bedding plants at 2 to 4 week intervals with a solution of 1 fl. oz. Cyglin per 4 gallons water (1 qt/120 gallons), fungicide or nutrient spray to promote growth, flowering and minimum color development.

Lawn Care: Spray Cyglin to lawns at the rate of 1/2 fl. oz. per 1000 sq. ft. Cyglin can be added to liquid fertilizer, manure, lime, or other liquid fungicide sprays.

Transplanting of trees, shrubs or bedding plants; See transplanting instructions under nursery use.

Maintenance: To promote growth and reduce stress from drought, disease or nutrient deficiency. Spray Cyglin to foliage at the rate of 1 fl. oz. per 4 gallons of water or fertilizer or pesticide solution (1 qt/28 gallons).

Nutritional Deficiencies: To promote rapid uptake and correction of nutrient deficiencies in ornamentals and turf, add Cyglin to iron, nitrogen fertilizer, zinc or other nutrient spray solutions at the rate of 1 fl. oz. per 4 gallons (1 qt/28 gallons). Apply as a foliar spray or soil drench.

Irrigation: Mix Cyglin with root feeding solutions at the rate of 1 fl. oz. per 4 gallons of nutrient solution (1 qt/28 gallons).

SEED TREATMENT

As a seed treatment for seeds prior to planting Cyglin may be applied to seed up to 8 months prior to planting. Dilute the recommended rate with a sufficient amount of water for uniform coverage. Mix thoroughly to coat seed and allow to dry before planting. Cyglin can be applied with fungicide treatment or to fungicide-treated seed. Do not use treated seed for food, feed, or all purposes.

Commercial seed processors must apply with sufficient EPA-approved dye to assure adequate seed marking. Commercially-treated seed must be labeled in accordance with the Federal Seed Act. For seed treated as planting, treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of excess treated seed by burial away from streams and bodies of water.
<table>
<thead>
<tr>
<th>Crop</th>
<th>Recommended Rate</th>
<th>Unit/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coloc, Peanuts</td>
<td>0.5 to 1.5</td>
<td>3.0 to 10.0</td>
</tr>
<tr>
<td>Wheat, soybeans, beans, peas</td>
<td>0.1 to 0.15 (1.0 to 1.5/100lbs.)</td>
<td>0.8 to 6.9</td>
</tr>
<tr>
<td>Corn, rice, grain sorghum</td>
<td>0.1 to 0.15 (1.0 to 1.5/100lbs.)</td>
<td>0.8 to 6.9</td>
</tr>
<tr>
<td>Potato seed pieces</td>
<td>1/400 dip for 1 minute</td>
<td></td>
</tr>
<tr>
<td>Sweet corn, popcorn</td>
<td>1.0 to 2.0</td>
<td>6.0 to 12.0</td>
</tr>
<tr>
<td>Alfalfa, clover</td>
<td>0.75 to 1.5</td>
<td>5.0 to 10.0</td>
</tr>
<tr>
<td>CWets, peppers, tomatoes,</td>
<td>1.5 to 3.0</td>
<td>10.0 to 20.0</td>
</tr>
<tr>
<td>Cucumbers, melons, cantaloupes</td>
<td>0.5 to 1.0</td>
<td>3.0 to 6.0</td>
</tr>
<tr>
<td>Squash (all varieties)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carrot, lettuce, cabbage, broccoli</td>
<td>2.5 to 5.0</td>
<td>15.0 to 20.0</td>
</tr>
<tr>
<td>Onion, garlic, spinach</td>
<td>1.0 to 3.0</td>
<td>6.0 to 18.0</td>
</tr>
<tr>
<td>Turf grasses</td>
<td>1.5 to 2.5</td>
<td>10.0 to 15.0</td>
</tr>
</tbody>
</table>