



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 29, 2024

Jolanta Ozatalay  
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FINE AGROCHEMICALS, LTD  
Fine Agrochemicals Ltd., 1850 Mt. Diablo Blvd # 670  
Walnut Creek CA, 94596

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Revision to add/change referral statements, update First Aid text, replace all "do not" to "DO NOT", add minor amendments to Storage and Disposal section, and make some text as optional text.  
Product Name: EXILIS 5 XL  
Admin Number: 62097-33  
EPA Receipt Date: 03/27/2024  
Action Case Number: 00561246

Dear Jolanta Ozatalay:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Cecilia Kujawa via email at [kujawa.cecilia@epa.gov](mailto:kujawa.cecilia@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "James Parker". The script is elegant and cursive, with the first letters of "James" and "Parker" being capitalized and prominent.

James Parker, Team Leader  
BPB, BPPD  
Office of Pesticide Programs

Note for reviewer- [ ] denotes optional text

**Master Label**

**Exilis® 5 XL**

ABN: Exilis 9.5 SC

**ACCEPTED**

Jul 29, 2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 62097-33

**Sub-label A: Agricultural/Commercial Use**

**Sub-label B: Ornamental Use**

Active Ingredient: Benzyladenine.....	9.51%
Other Ingredients:.....	<u>90.49%</u>
Total:.....	100.00%

**KEEP OUT OF REACH OF CHILDREN**

EPA Reg. No. 62097-33

EPA Est. No.

**Sub-label A**

**Exilis® 5 XL**

**ABN: Exilis 9.5 SC**

**For Agricultural/Commercial Use**

# Exilis® 5 XL

**Plant growth regulator solution for use on apples, pears, pistachios and non-bearing cherries**

Active Ingredient: Benzyladenine..... 9.51%  
Other Ingredients:.....90.49%  
Total:.....100.00%

## KEEP OUT OF REACH OF CHILDREN

[See product label for [First Aid,] Precautionary, Storage and Disposal Statements, and Directions for Use.]

[See attached label booklet for [First Aid,] Precautionary, Storage and Disposal Statements, and Directions for Use.]

EPA Reg. No. 62097-33

EPA Est. No.

### NET CONTENTS:

Batch no.:

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear appropriate protective clothing. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Socks and shoes.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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**

**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.

[For 15 gal, 30 gal, and 55 gal containers] **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **PHYSICAL OR CHEMICAL HAZARDS**

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. **DO NOT** apply this product through any type of irrigation system.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. 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 this label about 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 12 hours.

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
- \* Shoes plus socks
- \* Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.

## **PRODUCT INFORMATION**

- Exilis 5 XL is a plant growth regulator for use on apples, pears and pistachio.
- Exilis 5 XL is a post-bloom thinning agent in apples and pears.

- Exilis 5 XL may increase fruit weight, but this is dependent on fruit set and the physiological condition of the trees.
- [Exilis 5 XL may increase branching and feathering of apple, pear or non-bearing cherry trees.]
- Apply Exilis 5 XL using conventional spray application machinery or as otherwise directed in this label. **DO NOT** apply Exilis 5 XL using irrigation equipment.
- The effectiveness of Exilis 5 XL depends on the variety of target apple and pear trees.
- The thinning effectiveness of Exilis 5 XL is increased by:
  - High temperatures before and after application (70-75°F (21-24°C)).
  - Disease and physiological stress of target trees. Apply reduced rates to low vigor trees, or trees under stress from drought, winter injury, etc.
- The effectiveness of Exilis 5 XL is reduced by:
  - Low temperatures before and after application. **DO NOT** apply Exilis 5 XL if the temperature is below 60°F (16°C).
  - Rainfall immediately after application.
  - **DO NOT** exceed a pH of 8. Exilis 5 XL performs best when the pH is 5-6.5. A buffer or pH enhancer may be used for this purpose.
- Direct 80% of the spray to the top 2/3rds of the tree structure.
- Use a properly calibrated sprayer to ensure uniform and complete coverage of all foliage and developing fruit without run-off. Adjust spray volume for tree size and density.
- Exilis 5 XL works best if climatic conditions allow an extended drying period. Consider application in the morning or evening when temperatures are lower and humidity tends to be higher than during the day.
- Consult your farm advisor or extension specialist for advice about tank-mixing Exilis 5 XL with other compounds.
- **DO NOT EXCEED** 61.6 fl oz of product (182 grams of active ingredient) PER ACRE PER SEASON in bearing apple and pears.
- **DO NOT APPLY CLOSER THAN 86 DAYS BEFORE HARVEST** in apple or pears.
- **DO NOT EXCEED** 20.26 fl oz of product (60 grams of active ingredient) PER ACRE PER SEASON in pistachio.
- **DO NOT APPLY CLOSER THAN 60 DAYS BEFORE HARVEST** in pistachio.

### *SPRAYING GUIDE FOR FRUIT THINNING*

When used to thin fruit, Exilis 5 XL is normally applied in a single spray program; if a second application is needed allow 7-10 days after the first to observe the effect and spray before the diameter of king bloom fruit exceeds 20mm.

Make 1-2 applications of 75-200 ppm when king fruitlets are 5-10 mm in diameter (see Exilis 5 XL Dilution Guide). The effectiveness of Exilis 5 XL depends on the variety of target apple and pear trees and weather conditions. Refer to your farm advisor or extension specialist for advice about rate of application. **DO NOT EXCEED** 61.6 fl oz of product (182 grams of active ingredient) PER ACRE PER SEASON.

### *SPRAYING GUIDE FOR FRUIT SIZING & RETURN BLOOM*

Spray 2-4 applications of 10-50 ppm at petal fall and following at 3-10 day intervals. Generally use higher rates at longer intervals and lower number of applications. Refer to your farm advisor or extension specialist for advice about rate of application. **DO NOT EXCEED** 61.6 fl oz of product (182 grams of active ingredient) PER ACRE PER SEASON.

Applications for fruit sizing may cause thinning in some varieties or conditions of application. [APPLICATION INSTRUCTIONS FOR INCREASING BRANCHING AND FEATHERING OF APPLE, PEAR AND NON-BEARING CHERRY TREES (all approved states except California)]

### **Foliar Applications:**

Application of Exilis 5 XL increases branching to help improve tree structure of nursery stock and young trees. Exilis 5 XL also improves branch angles and stimulates bud break. Make 3-4 applications of 250-500 ppm (16-32 fl. oz. per 50 gallons of water) on a 5-10 day interval to trees that have at least 28-30 inches of growth. In areas with warmer and longer growing seasons up to 5 applications may be necessary whereas in areas with cooler and shorter growing seasons fewer applications may.

For orchard trees (apple, pear & non-bearing cherry trees) the first application should be made at 1-3 inches of new terminal growth. The application should be targeted to the sites where branching is desired. 1 to 4 applications of 250 to 500 ppm (0.32 to 0.64 fl oz of Exilis 5XL per gal of spray mix) may be made to sites in the trees where branching is desired. For these applications in bearing trees, applications may be made using a backpack sprayer, spray bottle or a single nozzle attached to a boom or orchard sprayer. The area treated should be treated as to allow for sufficient coverage without runoff of the spray solution. Best results will be observed when making these applications to current year's growth.

- Optimum application timing is in the morning when temperatures are cooler and drying times are slower. Avoid applications when temperatures are below 40°F (4.4°C) or above 90°F (32°C).
- Applications can be made to nursery stock, young non-bearing trees for apple, pear and cherry. Applications can be made in bearing orchards for apple and pear.
- **DO NOT** apply Exilis 5 XL to cherry trees with fruit that are intended for harvest.
- **DO NOT** make applications in non-bearing cherry trees within one year of first anticipated harvest.
- For nursery stock and young non-bearing trees direct applications to the shoot tips of the trees.
- In bearing trees (apple & pear) applications are to be targeted to the site where branching is desired.
- In nursery stock and young trees, for second through fourth applications, make sprays after 5 inches of new growth has occurred following the previous application, approximately 7-10 days.
- **DO NOT** apply Exilis 5 XL with streptomycin or make an application of streptomycin within 1 day of application of Exilis 5 XL.
- On orchard trees (apple and pear), **DO NOT** exceed 61.6 fl.oz. (182 g active ingredient) per acre per season for all use patterns combined (branching, thinning, return bloom and sizing).



- On nursery & young non-bearing trees (apple, pear & cherry), **DO NOT** exceed 64.0 fl.oz. (189.15 g active ingredient) per acre per season.

### **Latex Applications:**

Application of Exilis 5 XL improves tree structure by improving branch angles and increasing bud break and shoot growth in nursery stock and young trees. At the location where branching is desired, apply a uniform application of Exilis 5 XL and latex paint mix at a rate of 5,000-7,500 ppm (0.8-1.2 fl. oz./pint of latex paint). Apply the Exilis 5 XL and latex paint mix using a brush or sponge to achieve thorough coverage of the bark surface. Make application only to one year old wood in the spring once terminal buds begin to swell but before shoots emerge. Applications made following shoot emergence may result in injury to the young shoots.

- **DO NOT** apply Exilis 5 XL and latex paint mix after bud break. Doing so may cause injury to shoot tips and reduce the effectiveness of the application for shoot growth.
- For best results apply in temperatures above 50°F (10°C).
- **DO NOT** use any paint that contains a mildewcide.
- A one year pre-harvest interval is required for non-bearing cherries following an application of Exilis 5 XL.

### Special Instructions to Reduce Blind Wood on Apples with Type 4 Growth Habit:

To force break of paradormant buds and promote resulting shoot extension on older wood of apple trees, make a notch immediately above the dormant bud and apply up to 1500 ppm of Exilis 5XL directly into the notch using a squirt bottle or paint brush. Notching and application should be done in the spring when temperatures warm. If applications are made after bud break, use caution to prevent contact of the Exilis 5XL solution with green tissue to avoid injury to tender shoot tips.

For optimum results, the notch must penetrate through the cambium layer. Be aware of the associated risks of bacterial infection from erwinia and pseudomonas in open wounds, and implement appropriate risk mitigation measures, including avoiding notching when conditions are favorable for infection.]

### *PISTACHIO - SPRAYING GUIDE FOR SIZING & RETURN BLOOM*

Exilis 5XL can be applied in pistachio to increase yield and reduce alternate bearing. Two applications of Exilis 5XL are to be made to the pistachio trees at a rate of 25-50 ppm per application. Applications are to be made in a sufficient spray volume to ensure complete coverage of the tree. The first application should be made in early to mid-June and the second application made in early to mid-July. Spray volumes of 100 gallons per acres have been shown to be adequate but the spray volume should be adjusted to provide proper coverage based on tree size and spacing. A low biuret urea foliar nitrogen should be tank mixed with the Exilis 5XL at a rate of 6.25 to 12.5 lbs nitrogen per acre for each spray application.

- **DO NOT EXCEED** 20.26 fl oz of product (60 grams of active ingredient) PER ACRE PER SEASON in pistachio.
- **DO NOT APPLY CLOSER THAN 60 DAYS BEFORE HARVEST** in pistachio.
- Use calibrated airblast spray equipment to ensure uniform coverage of foliage and fruit.

## EXILIS 5 XL DILUTION GUIDE

Parts Per Million	10 ppm	25 ppm	50 ppm	75 ppm	100 ppm	125 ppm	150 ppm	175 ppm	200 ppm	250 ppm	500 ppm
Fluid Ounces of Product Per 100 Gallons of Water	1.3	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	32.0	64.0

[Exilis 5 XL contains 189.15 grams active ingredient per 64 fluid ounces (one-half gallon).]

### **STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food or feed by storage and disposal.

*Pesticide Storage:* Keep container tightly closed when not in use. Store below 75°F.

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

*Container Handling:*

[for container sizes of 5 gallons and less] Nonrefillable container. **DO NOT** reuse or refill this container. 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, 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.]

[for container sizes greater than 5 gallons] Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand 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 rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

### **WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY**

Fine Agrochemicals Limited ("FINE") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, FINE makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of FINE or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of FINE or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

We particularly draw the attention of the Buyer to the fact that thinning results depend on a number of external factors such as sensitivity of specific crop varieties to chemical thinning, as well as varietal tendencies for biennial bearing and the production of small fruit. Other important factors which determine thinning performance are weather conditions at the time of application and the period immediately following, as well as flowering, pollination and the overall vigor of the tree.

To the extent consistent with applicable law: 1) FINE disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) FINE's liability under this label shall be limited to the amount of the purchase price or, at the election of FINE, the free replacement of the Product.

[Manufactured for: © Fine Agrochemicals Limited, Hill End House, Whittington, Worcester, WR5 2RQ, United Kingdom]

[Produced by: Fine Americas Inc., 1850 Mt Diablo Blvd, Suite No. 670, Walnut Creek, CA 94596, USA]

[Exilis is a registered trademark of Fine Agrochemicals, Ltd.]

**Sub-label B**

**Exilis® 5 XL**

**ABN: Configure 9.5 SC**

**For Ornamental Use**

# EXILIS® 5 XL

## Plant growth regulator solution for use on ornamentals

Active Ingredient: Benzyladenine .....9.51%  
Other Ingredients:.....90.49%  
Total:.....100.00%

### KEEP OUT OF REACH OF CHILDREN

[See product label for [First Aid,] Precautionary, Storage and Disposal Statements, and Directions for Use.]

[See attached label booklet for [First Aid,] Precautionary, Storage and Disposal Statements, and Directions for Use.]

EPA Reg. No. 62097-33

EPA Est. No.

### NET CONTENTS:

Batch no:

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear appropriate protective clothing. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Socks and shoes.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

[For 15 gal, 30 gal, and 55 gal containers] **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **PHYSICAL OR CHEMICAL HAZARDS**

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. **DO NOT** apply this product through any type of irrigation system.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. 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) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard. Do not enter or allow entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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
- Shoes plus socks
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton

## **GENERAL INFORMATION**

**DO NOT apply this product through any type of irrigation system.**

FOR USE IN: COMMERCIAL GREENHOUSES, GLASSHOUSES (WHERE PLANTS ARE GROWN IN CONTAINERS), AND ON ACTIVELY GROWING STOCK PLANTS

Exilis 5 XL increases lateral or basal branching and promotes flowering in certain ornamental crops. In addition, applications of Exilis 5 XL reduce the overall height of the plant resulting in more compact and marketable plants.

Plant response to Exilis 5 XL is strongly influenced by cultural and environmental variables. Growing media, water/fertilizer management, temperature, light, greenhouse composition, and other cultural practices may impact plant response. Plant size, container size and cultivar or variety can also influence treatment response. Although multiple cultivars have been tested for sensitivity to Exilis 5 XL and have demonstrated high levels of tolerance, it is impossible to insure an acceptable response in all cultivars. **For first time users of Exilis 5 XL, always conduct trials on a limited number of plants to determine crop response.**

## **APPLICATION INFORMATION**

Apply Exilis 5 XL as a foliar spray using standard foliar application spray equipment. Make sure that sufficient volumes are used to thoroughly wet foliage. Spray uniformity is equally important. **Uniformly apply 1-2 quarts of finished spray solution to 100 sq. ft. of area.** A high quality wetting agent or spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturer's use instructions.

## **DIRECTIONS FOR USE**

### **Christmas Cactus (*Schlumbergera* spp.):**

Exilis 5 XL can be applied as a foliar spray to: 1) promote vegetative branching; or 2) increase the number of flower buds under reproductive conditions. Results vary with cultivar; therefore, trial a small group first.

***To increase branching under vegetative conditions:*** Apply Exilis 5 XL at 100 ppm as a uniform foliar spray after planting when new vegetative growth begins.

***To increase the number of flower buds under reproductive conditions:*** Apply Exilis 5 XL at 100 to 200 ppm as a uniform foliar spray after the start of short days following leveling, or when flower buds become visible. Below are specific guidelines based on lighted or natural season grown plants.

***For floral initiation under short day conditions (i.e., lighting/black clothing):*** Wait 5 to 10 days after the start of short days to level by removing immature phylloclades. Make a single application of Exilis 5 XL immediately following or 1 day after leveling.

***For floral initiation under natural environmental conditions:*** Make a single application of Exilis 5 XL after flower buds first become visible (i.e., pinpoint bud stage). First visible bud varies by cultivar. Avoid early applications which will result in phylloclade promotion and delayed flowering.

### **Plantain Lily (*Hosta* spp.):**

Use of Exilis 5 XL on *Hosta* can promote lateral growth of finished plants by inducing the outgrowth of axillary and rhizomic buds. Exilis 5 XL can also be used to increase offsets during propagation.

***For the promotion of lateral growth on finished plants:*** Apply Exilis 5 XL at rates ranging from 1000 – 3000 ppm in a uniform spray volume. Exilis 5 XL is most effective when plants are fully established prior to application (i.e., at least 3 to 4 weeks after potting), when there is evidence of surface root development, but before flower initiation.

***For increased production of offsets (propagation):*** Apply Exilis 5 XL at rates ranging from 1000 – 3000 ppm in a uniform spray volume to fully established, actively growing stock plants. Repeat the application at 30-day intervals during the growing season. Offsets may be harvested at any time.

Treatment effects may vary by *Hosta* cultivar, and may respond differently to a given rate of Exilis 5 XL. Multiple applications at 30-day intervals using lower rates may be more effective than a single application at higher rates. Conduct trials on a small number of plants under actual use conditions to establish the proper use rates and timings.

#### **Purple Coneflower (*Echinacea* spp.):**

Foliar applications of Exilis 5 XL have been shown to increase the number of branches when applied at rates of 300 to 900 ppm during active growth.

Apply Exilis 5 XL as a foliar spray after plant establishment and resumption of growth (i.e., approximately 2 weeks after potting). Apply in a uniform spray volume of 2 quarts per 100 square feet of area. Application timing and rate may vary with cultivar. For first time users of Exilis 5 XL, determine the appropriate rate and application timing by conducting trials on a small number of plants on specific cultivars and under typical environmental growth conditions.

#### **APPLICATION INSTRUCTIONS FOR USE ON CONTAINERIZED ANNUAL AND PERENNIAL FLOWERING AND FOLIAGE CROPS AND TROPICAL PLANTS**

- Apply Exilis 5 XL as a foliar spray when plants are fully established during active growth i.e., at least 3 to 4 weeks after potting.
- Apply Exilis 5 XL at rates ranging from 50 to 500 ppm, depending on plant species and variety.
- Apply in a uniform spray volume of 2 quarts per 100 square feet of area. Cultivars within the same species may respond differently to a given rate of Exilis 5 XL. For first time users of Exilis 5 XL, **always treat a limited number of plants starting with 50 ppm on annuals and 100 ppm on perennials and tropical plants**; observe for plant responses and make rate adjustments accordingly.
- Multiple applications of Exilis 5 XL at 7-10 day spray intervals may be necessary to achieve optimum results, i.e. increased lateral growth.
- Exilis 5 XL may cause significant injury to *Exacum*. **DO NOT** use Exilis 5 XL on this species.
- Exilis 5 XL has been shown to cause a significant delay in flowering on *Gaillardia*. **DO NOT** apply Exilis 5 XL to *Gaillardia* more than once during the production cycle.



## EXILIS® 5 XL DILUTION GUIDE:

Desired Rate (ppm)	50	100	200	300	400	500	900	1000	2000	3000
fl oz Exilis 5 XL per gallon of water	0.064	0.128	0.256	0.384	0.512	0.640	1.15	1.28	2.56	3.84
ml Exilis 5 XL per gallon of water	1.9	3.8	7.6	11.4	15.1	19.0	34.0	38.0	75.7	113.5
ml Exilis 5 XL per liter of water	0.50	1.0	2.0	3.0	4.0	5.0	9.0	10.0	20.0	30.0

[Exilis 5 XL contains 189.15 grams active ingredient per 64 fluid ounces (one-half gallon).]

### **STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food or feed by storage and disposal.

Pesticide Storage: Keep container tightly closed when not in use. Store below 75°F.

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

Container Handling:

[for container sizes of 5 gallons and less] Container Handling: Nonrefillable container. **DO NOT** reuse or refill this container. 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, 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.]

[for container sizes greater than 5 gallons] Container Handling: Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand 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 rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

## **WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY**

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