



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 28, 2017

Fred Smith  
Senior Regulatory Specialist  
Agent for Fine Agrochemicals Ltd  
c/o SciReg, Inc  
12733 Director's Loop  
Woodbridge, VA 22192

Subject: PRIA Label Amendment – Addition of liner soak application method for use on ornamental plants  
Product Name: Concise  
EPA Registration Number: 62097-18  
Application Date: 9/13/2016  
Decision Number: 521369

Dear Mr. Smith:

The amended label 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 conditions that were previously imposed on this registration. You continue to be subject to existing 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 copy of the final printed labeling before you release the 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 the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Page 2 of 2  
EPA Reg. No. 62097-18  
Decision No. 521369

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Lindsay Roe at 703-347-0506 or by email at [roe.lindsay@epa.gov](mailto:roe.lindsay@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, sweeping initial "T".

Tony Kish, Product Manager 22 Fungicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# CONCISE®

## Ornamental Plant Growth Regulator

**Active Ingredient: Uniconazole-p\*** ..... 00.055%  
**Other Ingredients:** ..... 99.945%  
**Total:** ..... 100.000%

\*(E)-(+)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)-pent-1-ene-3-ol  
Contains 0.0046 lbs uniconazole-p/gallon.

**KEEP OUT OF REACH OF CHILDREN**

EPA Reg. No. 62097-18

EPA Est. No.

**NET CONTENTS:** 1 gallon (3.78L), 15 gallons (56.78L)  
Batch No.

**ACCEPTED**

Jun 28, 2017

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 62097-18

[See inside panel for Precautionary Statements]

### PRECAUTIONARY STATEMENTS

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks

Follow 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:

- 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 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.

## **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, 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 unless wearing 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
- Shoes plus socks
- Chemical resistant gloves (made of any waterproof material)

## **ENVIRONMENTAL HAZARDS**

Do not contaminate water when disposing of equipment washwaters.

## **PHYSICAL AND 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.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **RESTRICTIONS**

Do not apply CONCISE under conditions that can cause drift onto food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption.

Do not apply directly to dirt floors or to plants/pots in direct contact with dirt floors of greenhouses, lathhouses or shade structures especially if dirt flooring has high porosity and low organic content.

Do not mix CONCISE with pesticides, fertilizers, wetting agents, spreader stickers or other adjuvants.

Do not apply CONCISE to any food crops.

Do not reuse soil from plants treated with CONCISE.

## **LIMITATIONS**

Avoid spray drift onto non-target species.

This product has a potential to leach into groundwater or to run off into surface water.

Apply CONCISE to well-watered, healthy and vigorously growing plants.

Application to growth media containing pine bark will reduce CONCISE effectiveness.

## **SHAKE BEFORE USING**

## **APPLICATION INFORMATION**

**Do not apply this product through any type of irrigation system.**

### **FOR USE IN: COMMERCIAL GREENHOUSES, GLASSHOUSES, LATHHOUSES AND SHADE STRUCTURES (WHERE PLANTS ARE GROWN IN CONTAINERS)**

CONCISE is an effective growth retardant on a broad variety of ornamental crops. CONCISE reduces plant height by limiting internode elongation through inhibition of gibberellin biosynthesis. Application produces more desirable, compact and marketable plants. CONCISE has been shown to increase the quality of plants even in the absence of noticeable growth reduction. These desirable qualities include darker colors, higher chlorophyll content, greater leaf thickness, stronger stems, increased water retention and, at times, increased flower number and size.

Plant response to CONCISE is strongly influenced by cultural and environmental variables. Growing media, water/fertilizer management, temperature, light, greenhouse composition, and other cultural practices impact plant response. Plant size, container size and cultivar or variety can also affect height. **For first time users of CONCISE, treat a limited number of plants at the lowest recommended rate, observe plant**

**responses and make rate adjustments accordingly. Sequential applications at lower rates may be necessary to obtain an optimum result.**

Decisions regarding application rates of CONCISE may be made using the Graphical tracking techniques developed at Michigan State University. Graphical tracking is a grower management tool which, over time, compares actual plant height or development with desired plant height or development. Graphical tracking plots plant height graphically, once or twice a week, and enables height control decisions after comparing actual and target plant height.

### **APPLICATION INFORMATION**

CONCISE is normally applied through five different application methods: Foliar Spray, Drench, Bulb or Cutting Dip, Pre-Plant Application to the soil surface, and Pre-Transplant Liner Soak.

CONCISE is a highly active plant growth regulator. Care must be used when measuring, diluting, and applying CONCISE. Excessive doses will result in extreme stunting and may adversely affect flowering, plant appearance, quality and marketability.

Variable plant response to CONCISE due to plant surface area is possible. Extreme temperatures will influence plant response to CONCISE.

For best results, apply CONCISE in the morning or late afternoon, when plants are not environmentally stressed. CONCISE treatment retards elongation almost immediately. Rate response for most species can be determined within five to seven days after application. If desired results are not evident, reapply or increase rate.

**Temperature and light level** are important factors that must be considered in choosing the proper application rate of CONCISE. Generally, lower rates and fewer applications are required for plants grown at lower temperatures and under less light intensity. Higher rates and/or more applications are required for plants grown at higher temperatures and/or higher light intensity. Experimental data used to make label recommendations were generated in northern and southern climates on a broad range of plant species.

**Cultural practices** may impact plant response to CONCISE. Plants grown at close spacing or in small pots using high water and fertility levels may require higher rates of CONCISE. The media in which the plants are grown will influence the effectiveness of drench applications of this product. CONCISE drench applications will be less effective in media containing high amounts of pine bark.

**Varieties or cultivars** in a given plant species may require higher or lower rates of CONCISE. Taller, more vigorous varieties generally require higher application rates

than do shorter, less vigorous varieties. Consult with plant suppliers for vigor ratings and other unique growth characteristics of any new varieties.

### **FOLIAR APPLICATIONS**

Use standard foliar application spray equipment. Optimal use rates are dependent upon application volume. Plant response will vary if a proper use rate is applied at various spray volumes. Spray uniformity is equally important. **Uniformly apply 2 quarts of finished spray solution to 100 sq. ft. of bench area unless otherwise directed by this label.**

Reduce the rate of application when making foliar applications of CONCISE to plants on water collectors or on sub-irrigation benches. Increased growth reduction is likely due to CONCISE being taken up through the soil and roots with the irrigation water under these conditions.

### **PRE-PLANT APPLICATION TO SOIL SURFACE**

Application of CONCISE to the soil surface just prior to planting plugs often results in more uniform plant height. CONCISE is easily absorbed through the roots and translocates in xylem tissue to plant terminals. Generally, half rates or lower are required with pre-plant applications of CONCISE prior to transplanting plugs. Optimal rates will vary between plant species. Conduct trials on a small number of plants under typical use conditions to determine the optimum use rate. Soil media will also influence plant response to CONCISE. Media high in pine bark may require higher rates. Experimental data used to support this application technique were gathered using overhead watering, not on sub-irrigated plants.

### **DRENCH APPLICATIONS**

Drench applications of CONCISE are more uniform and generally result in more consistent height response. CONCISE is easily absorbed through the roots and translocated in xylem tissue to plant terminals. Ensure growth media is moist, but not wet at the time of drench application. This is usually achieved by watering the day before application. Varied plant response is likely if the media is too dry, which will prevent even product distribution at application.

Generally, 4 fl. oz. of drench solution is required per 6 inch pot. Larger or smaller pots will require an appropriate volume adjustment. The correct drench volume is determined by applying enough solution to achieve run through of no more than 10% of the initial volume. This assumes that the soil media is properly moist prior to application (Example: If 4.0 fl. oz. of drench is applied to a pot, allow no more than 0.4 fl. oz. to run through the bottom of pot.). Determine proper drench solution volume by conducting small trials on a few pots using untreated water in place of the drench solution.

### **PRE-PLANT BULB SOAKS**

Bulb soaks are an effective and economical method of reducing height of bulb crops. This method is also a uniform application method for CONCISE prior to planting. Soak

bulbs in a solution of CONCISE for 1 to 5 minutes prior to planting. See “Bulb Crops” section for further information.

## DETERMINING OPTIMUM RATES OF APPLICATION

**Use the rates on this label as guidelines only.**

Optimum CONCISE rates depend on the desired final plant size, in addition to many physical and environmental factors. Growing practices such as watering, potting media, fertilization, temperature and light conditions also affect the plant growth response at a specific rate.

**Use of CONCISE on plants not specifically listed on this label:** Use Table 1 as a guideline to determine optimal application rate on unlisted plants. Conduct trials on a small number of plants under actual use conditions using the lowest recommended rates to establish the proper use rate.

**Table 1 - TRIAL RATE TABLE (PPM)**

Plant Type	Solution Concentration (PPM)			
	Spray	Pre-Plant	Drench	Bulb Soak
Bedding Plants	1 to 50	0.5 to 20	0.1 to 2	n/a
Bedding Plants Plugs*	0.5 to 10	0.5 to 10	not recommended	n/a
Flowering/Foliage Potted Crops**				
Herbaceous species	5 to 40	0.5 to 10	0.1 to 1	n/a
Woody species	20 to 50	1.5 to 20	0.5 to 2	
Woody Landscape Ornamentals	10 to 50	1 to 20	1 to 2	n/a
Bulb Crops	2.5 to 20	0.5 to 10	1 to 3	1 to 10

\*Bedding plant plugs can be especially sensitive to CONCISE.

\*\*Annual or perennial

### Notes:

- For drench applications, apply about 4 fl. oz. of solution to a 6 inch pot. Adjust volume according to pot size.
- For pre-plant bulb soaks, it may be necessary to adjust both rates and soak time in order to achieve the desired effect.

### PRE-TRANSPLANT LINER SOAK APPLICATION ON PLUGS OR ROOTED CUTTINGS OF BEDDING PLANTS AND HERBACEOUS FLOWERING/FOLIAGE PLANTS

Applying CONCISE by liner soak involves submerging the roots and substrate (media) of seedling plugs or rooted cuttings in a treated solution prior to transplanting into the final container. Pre-transplant liner dip applications of CONCISE can be effective in controlling the height of very vigorous plants that tend to grow rapidly, following



transplant. Liner soak applications also allow the use of variable CONCISE rates within single mixed-plant containers, thereby providing greater plant growth uniformity.

Moisture level of the substrate at the time of liner soak treatment will influence the degree of CONCISE absorption, and thusly its availability to the roots.

At the time of CONCISE application, the substrate can be moderately dry, but prior to plant wilting. Before treatment, allow liners to dry down following irrigation. The length of time the liner remains in the CONCISE-treated solution may also affect the degree of size control achieved. For dry liners, use a soak time ranging from 30 seconds to 2 minutes.

### Recommendations

**Root Development:** The degree of root development at the time of treatment can affect the plant's response to CONCISE. Poorly rooted or immature cuttings can be excessively stunted. Therefore, treat only well rooted cuttings with liner soak applications of CONCISE.

**Solution Depth:** The depth of treated solution may affect the activity level of a CONCISE liner soak treatment. Since the majority of roots are located at the lower one-half of the plug, a solution depth covering at least 50% of the liner cell height is recommended.

**Treatment Timing:** The length of time from treatment to transplanting will have a minimal impact on CONCISE activity, allowing for good flexibility. Times ranging between 2 hours to a few days with liner soak treatments have been shown to provide equally effective results. **Under normal situations, this is intended to be a single application per liner. However, it is permissible to retreat/re-soak liners if transplanting has been delayed to the point that plants have started to regrow and the grower is not yet ready to transplant.**

**Use Rates:** Due to the number of factors that can result in treatment variability; including: substrate moisture levels, light level, growing conditions, plant cultivar, root development and desired degree of growth control, optimum CONCISE rates will vary. The key to ensuring consistency in results is to develop a practical system to standardize as many factors as possible, including: substrate moisture level, duration of soak, age of cuttings and length of time between treatment and transplant. Conduct initial trials using the rates in Table 2.

**Table 2 – TRIAL RATES (ppm) FOR LINER SOAK APPLICATION**

FOCUS RATES FOR VEGETATIVE ANNUALS ON THE LOW TO MEDIUM RANGE, WHILE HIGHER RATES MAY BE MORE APPROPRIATE TO TRIAL FOR VIGOROUS PERENNIALS.

Desired Level of Activity	Southern Climates			Northern Climates		
	ppm	fl.oz./gal.	ml/gal.	ppm	fl.oz./gal.	ml/gal.
Low	0.5 - 1	0.13 - 0.26	4 - 8	0.5 - 1	0.13 - 0.26	4 - 8
Medium	2 - 3	0.53 - 0.8	16 - 23	1.5 - 2.5	0.39 - 0.6	12 - 19
High	4 - 5	1.0 - 1.3	30 - 38	3 - 4	0.8 - 1.0	23 - 30

1. Do not reuse plug flats for CONCISE-sensitive crops (e.g., begonia, vinca, pansy) without adequate washing.
2. Avoid liner soaks for any crop in which the spread of root-borne disease is possible.

**Table 3 - MIXING INSTRUCTIONS AND RATE CONVERSION**

CONCISE mixes readily with water.

**Foliar and Soil Surface Applications:** Always be sure application equipment is clean before mixing. To prepare CONCISE for use as a spray, fill tank to one-half full, shake CONCISE container well, add the specified amount of CONCISE according to the Rate Conversion Table below, and complete filling the tank.

**Drench, Bulb Dip and Liner Soak Applications:** Add the specified amount of CONCISE to the appropriate volume of water for use as a drench, dip or liner soak solution.

PPM Equivalent Table			
PPM	ml/L	ml/gal.	fl. oz./gal.
1	2	8	0.26
2.5	5	19	0.6
3	6	23	0.8
5	10	38	1.3
10	20	76	2.6
15	30	114	3.8
20	40	151	5.1
25	50	189	6.4
30	60	227	7.7
35	70	265	9.0
40	80	303	10.2

45	90	341	11.5
50	100	379	12.7
75	150	568	19.2

### BEDDING PLANTS (ANNUAL AND PERENNIAL)

**Optimum Rate Selection, Important:** Some of the data for perennial bedding plants were generated in southern climates where more CONCISE is required for growth control. In more northern climates, application rates of 5 to 15 ppm (with multiple applications as needed) are commonly used to achieve desired results on many types of annual and perennial plants.

For first time users of CONCISE, make single or sequential applications at the lowest labeled rate to determine optimum dose for specific cultivars under local conditions.

Do not use on Begonias as they are exceptionally sensitive to CONCISE. Avoid spray drift onto Begonia cultivars.

**Foliar Spray:** Foliar applications of CONCISE will provide growth reduction of commonly grown bedding plants when applied at rates of 1 to 50 ppm. Use rates for some specific bedding plants are listed below.

Apply CONCISE as a foliar spray when plant elongation begins (plant height approximately 2 to 4 inches). See exceptions for Periwinkle, Pansy and Geranium (Pelargonium). Application timing may vary with species. Determine the appropriate growth stage for application on specific cultivars and under typical environmental growth conditions. When applying to plants at the shortest growth stage (2 inches), use the lowest specified rate. Apply uniform spray volume of 2 qts. per 100 sq. ft. of bench area at the appropriate use rate. Multiple low rate applications may give more desirable results compared to a single high rate.

**Table 4 - BEDDING PLANT – FOLIAR SPRAY RATE**

Bedding Plants	Spray Concentration Range		
	fl. oz./gal.	ml/gal.	PPM
Ageratum	5.1 to 7.7	151 to 227	20 to 30
Alyssum	1.3 to 6.4	38 to 189	5 to 25
Bee Balm (Monarda)	3.8 to 7.7	114 to 227	15 to 30
Celosia	2.6 to 5.1	76 to 151	10 to 20
Coleus	2.6 to 5.1	76 to 151	10 to 20
Coneflower	7.7 to 10.2	227 to 303	30 to 40
Dahlia	2.6 to 5.1	76 to 151	10 to 20
Dusty Miller	7.7	227	30
Hollyhock	1.3 to 10.2	38 to 303	5 to 40
Impatiens*	1.3 to 2.6	38 to 76	5 to 10
Marigold**	2.6 to 5.1	76 to 151	10 to 20
Pansy	0.26 to 1.5	8 to 46	1 to 6

Periwinkle	0.26 to 0.8	8 to 23	1 to 3
Petunia**	6.4 to 12.8	189 to 379	25 to 50
Portulaca	3.8 to 7.7	114 to 227	15 to 30
Purple Coneflower	7.7 to 10.2	227 to 303	30 to 40
Salvia	1.3 to 2.6	38 to 76	5 to 10
Shasta Daisy	3.8 to 7.7	114 to 227	15 to 30
Snapdragon**	6.4 to 12.8	189 to 379	25 to 50
Speedwell (Veronica)	5.1 to 10.2	151 to 303	20 to 40
Verbena	3.8 to 7.7	114 to 227	15 to 30
Viola	0.26 to 1.3	8 to 38	1 to 5

\*Seed propagated

\*\*Multiple applications may be necessary

### Pre-Plant Application to Soil Surface

**Optimum Rate Selection, Important:** Test on small number of plants to select optimum use rate for local growing conditions. For use of CONCISE on plants not specifically listed in the table below, begin by using a rate one-third that required as a foliar spray. Adjust rates accordingly based on results.

Apply soil surface spray immediately prior to transplanting plugs.

Apply soil applications with standard spray equipment. Product effectiveness is strongly dependent on application volume. Uniformly apply 2 qts. of finished CONCISE spray solution to 100 sq. ft. of bench area containing pots with potting mix. Ensure the soil surface is moist at time of application. Do not allow soil to dry before plugs are transplanted. After planting plugs in CONCISE treated soil, continue normal growing practices.

**Table 5 - BEDDING PLANT – PRE-PLANT SPRAY RATE**

<b>Spray Concentration Range</b>			
<b>Bedding Plants</b>	<b>fl. oz./gal.</b>	<b>ml/gal.</b>	<b>PPM</b>
Ageratum	0.8 to 1.5	23 to 46	3 to 6
Coleus	1.3 to 2.6	38 to 76	5 to 10
Dahlia	0.2	6	0.75
Geranium	1.3 to 2.6	38 to 76	5 to 10
Impatiens	0.5 to 1.3	16 to 38	2 to 5
Lobelia	1.3 to 2.6	38 to 76	5 to 10
Marigold	0.5 to 1.0	16 to 32	2 to 4
Pansy	1.3 to 2.6	38 to 76	5 to 10
Petunia	1.3 to 2.0	38 to 57	5 to 7.5
Salvia	2.6 to 5.1	76 to 151	10 to 20
Snapdragon	0.26 to 0.5	8 to 16	1 to 2
Vinca	0.13 to 0.2	4 to 6	0.5 to 0.75

**Drench Application:** Optimum rates for drench applications to bedding plants have not been determined. Conduct trials on a small number of plants. Select rates as specified in the “Determining Optimum Rates of Application” section of this label.

**Notes:**

- Some bedding plants are extremely sensitive to CONCISE. When using for the first time on a particular bedding plant, treat only a small number of plants and observe for activity.
- For use on bedding plants not specifically listed, determine optimum rate by treating a small number of plants with 1 to 50 ppm as a foliar spray. Try low rates first. Rates may then be decreased or increased to achieve the desired effect. Make the first application when new growth reaches 2 to 4 inches in height with most species.
- Cultivars within the same species may respond differently to a given rate of CONCISE – dwarf cultivars generally required lower rates than tall cultivars (e.g., marigolds).
- On plants that are more sensitive to CONCISE, multiple applications of lower rates often give more satisfactory results than a single application of a higher rate. For example, make two applications of 5 ppm instead of one application of 10 ppm.
- Some bedding plants have shown improved color and overall appearance following use of CONCISE, even when growth retardation was not evident.
- For optimum results on Periwinkle and Pansy, do not apply CONCISE until plants reach a height of 4 inches.

## **BULB CROPS**

**Optimum Rate Selection, Important:** Test on a small number of plants to select optimum use rate for local growing conditions. Multiple applications of the lower label rates may elicit a more satisfactory response. Cooler growing climates generally require lower use rates.

**Foliar Spray:** Treat bulb with CONCISE when shoots average 3 inches tall. Use a uniform spray volume of 2 qts. per 100 sq. ft. of bench area. If a second application is made, apply it when shoots average 6 inches tall. Avoid applications made after visible bud stage.

**Note:** Usually, two applications of a foliar spray at a lower rate are more effective than one application at a higher rate.

**Drench Application:** Drench applications are very effective for controlling plant height of bulb crops due to the uniform and precise application. Make applications to most bulb-type crops when newly emerged shoots are 1 to 2 inches tall.

**Note:** Guideline rate for drench application is 4 fl. oz. of solution to a 6 inch pot. Adjust volume according to pot size. Ensure soil is moist but not wet at time of application. Drench applications made early in the plant growth cycle generally cause a greater response than later applications.

**Bulb Soak:** Treatment soak times range from 1 to 5 minutes. Soak time will vary depending on bulb size, variety, cultivar, and desired final height. Lower rates may require longer soak times (5 to 10 minutes) while higher rates require shorter soak times (1 minute).

**Table 6 - BULB CROP RATE**

<b>Bulb Type</b>	<b>Solution Concentration (PPM)</b>		
	<b>Foliar Spray</b>	<b>Drench</b>	<b>Bulb Soak</b>
Asiatic Hybrid Lilies	2.5 to 10	Not Determined*	1 to 10
LA Hybrid Lilies	2.5 to 20	1 to 3	1 to 10
Oriental Hybrid Lilies	2.5 to 10	Not Determined*	1 to 10

\*Rates for these uses have not been determined.

**Notes:**

- For bulb crops not listed (Tulip, Daffodil, Hyacinth, etc.), conduct trials on a small number of plants. Select rates as specified in the “Determining Optimum Rates of Application” section of this label.
- Effectiveness of height control for bulb crops varies greatly by cultivar, more so than for non-bulb ornamental plants. Prior to widespread use, conduct trials on a small number of plants and observe for activity.
- Various Hybrid Lily cultivars will respond differently to bulb soaks, sprays, or drenches.
- Depending on cultivar and rate of CONCISE, it may be necessary to apply a touch-up spray to control late season stretch in certain Hybrid Lilies.

**GERANIUMS (PELARGONIUM)**

**Foliar Spray – Seed Geraniums:** Apply CONCISE as a foliar spray when plant height is approximately 4 inches. Apply 0.5 to 1.0 fl. oz./gal. (16 to 32 ml/gal., 2 to 4 ppm) as a uniform spray at a volume of 2 qts. per 100 sq. ft. of bench area.

**Foliar Spray – Vegetatively Propagated Geraniums:** Apply CONCISE as a foliar spray on an as-needed basis once the growth of cuttings begins (dependent on growth rate and cultivar). Apply 0.8 to 2.0 fl. oz./gal. (23 to 61 ml/gal., 3 to 8 ppm) as a uniform spray at a volume of 2 qts. per 100 sq. ft. of bench area. Growth rate must be factored into the choice of application rate. Use higher rates for more vigorously growing plants. Delayed flowering of some cultivars can occur when using rates at or above 6 ppm.

**EASTER LILIES**

**Optimum Rate Selection, Important:** Use rates for CONCISE on Easter Lilies were developed using plants grown under positive DIF temperature conditions (higher day temperature than night temperature). Easter Lilies grown under negative or zero DIF temperature conditions may require lower rates and fewer applications of CONCISE to

optimize plant response. Water requirement for Easter Lilies is reduced with application of CONCISE.

**Graphical Tracking:** Decisions regarding application rates of CONCISE may be made using the Graphical tracking techniques developed at Michigan State University. Graphical tracking is a grower management tool which, over time, compares actual plant height or development with desired plant height or development. Graphical tracking plots plant height graphically, once or twice a week, and enables height control decisions after comparing actual and target plant height.

**Foliar Spray:** Treat Easter Lilies with 0.8 to 3.8 fl. oz./gal. (23 to 114 ml/gal., to 3 to 15 ppm) CONCISE when shoots average 3 inches tall. Use a uniform spray volume of 2 qts. per 100 sq. ft. of bench area. It is best to make only one foliar application of CONCISE per crop.

**Soil Drench, All states except Florida:** Apply CONCISE when shoots average 3 inches tall. Use a solution concentration of between 0.06 and 0.13 fl. oz./gal. (equal to 1.9 to 3.8 ml/gal. or 0.23 to 0.5 ppm). Apply 4 fl. oz. of diluted solution to each pot. Use lower rates on shorter cultivars such as “Nellie White” under cool conditions. Use higher rates on taller cultivars such as “Ace” under warmer conditions. Do not make late season applications.

**Florida Only:** Use a solution concentration of between 0.11 to 0.26 fl. oz./gal. (equal to 3.2 to 8.0 ml/gal. or 0.4 to 1.0 ppm).

## POINSETTIA

**Optimum Rate Selection, Important:** Test on a small number of all new cultivars before widespread use to determine appropriate rates and timing under local growing conditions. Repeat applications of lower rates often yield superior results compared with a single application at a higher rate. For first time users of CONCISE, make single or sequential applications at the lowest labeled rate to determine optimum dose for specific cultivars under local conditions. Do not make late season applications after short-day initiation.

**Foliar Spray:** Apply CONCISE as a foliar spray when lateral shoots are 1.5 to 2.5 inches (about 10 to 14 days after pinching). Use rates are listed below. Apply spray uniformly at a volume of 2 qts. per 100 sq. ft. of bench area. Multiple applications of the lower label rates may elicit a more satisfactory response.

**Table 7 - POINSETTIA RATE**

Growing Region	Spray Concentration Range		
	fl. oz./gal.	ml/gal.	PPM
All states except Florida	0.6 to 2.6	19* to 76	2.5 to 10
Florida	2.5 to 3.8	76 to 114	10 to 15

\*In most locations, multiple applications at this rate will be necessary.



**Drench Application:** Optimum rates for drench application to Poinsettia have not been determined. Users can conduct trials based on recommendations in the “Determining Optimum Rates of Application” section of this label.

**Notes:**

- Certain varieties such as Supjibi and Freedom are more sensitive to CONCISE than others, and must be treated with the lowest specified rate for each growing region.
- Do not apply CONCISE to Poinsettias after the initiation of short days.
- Florida Only: Do not apply CONCISE to Poinsettias after October 25.

**POINSETTIA TREES**

**For use in Florida only:**

**Drench Application:** Apply CONCISE at a solution concentration of 0.5 to 0.8 fl. oz./gal. (15 to 23 ml/gal., 2 to 3 ppm) when breaks are 1.5 to 2.0 inches (about 10 to 14 days after the second pinching). Apply 8 fl. oz. of diluted solution to each pot.

**Note:**

- Do not apply CONCISE to Poinsettia Trees after October 25.

**CHRYSANTHEMUMS**

CONCISE applications provide growth control on pot Chrysanthemums as well as hardy (garden) Chrysanthemums.

**Optimum Rate Selection, Important:** Chrysanthemum cultivars vary widely in their response to CONCISE. Test CONCISE on a small number of plants to identify appropriate rates for local conditions and specific cultivars.

**Foliar Spray:** Apply CONCISE as a foliar spray when the length of the breaks is 1.5 to 2.0 inches (about 7 to 14 days after pinching). Make a uniform spray application at a volume of 2 qts. per 100 sq. ft. of bench area (except in Florida on medium and tall cultivars where 3 qts. per 100 sq. ft. is required). Make multiple applications as necessary. If random elongated stems are a problem, make additional applications using a lower rate and increase the volume of application from 2 qts. per 100 sq. ft. to 3 to 4 qts. per 100 sq. ft.

**Table 8 - CHRYSANTHEMUM RATE**

Growing Region	Spray Concentration Range		
	fl. oz./gal.	ml/gal.	PPM
All states except Florida	0.6* to 2.6	19 to 76	2.5 to 10
Florida	1.3 to 2.6	38 to 76	5 to 10

\*In cooler growing climates, utilize the lower rate and make a second application if necessary.



**Drench Application:** Optimum rates for drench applications to Chrysanthemums have not been determined. Users can conduct trials based on rates specified in the “Determining Optimum Rates of Application” section of this label.

**Dip Treatment on Cuttings:** CONCISE can be applied as a dip treatment on unrooted cuttings at 1.3 to 2.6 fl. oz./gal. (equal to 38 to 76 ml/gal. or 5 to 10 ppm) followed by a foliar spray in the low rate range. On rooted cuttings, use a solution of 2.5 ppm or less, followed by a foliar spray in the low rate range.

**Note:**

- Chrysanthemums have shown improved color and overall appearance following the use of CONCISE, even when growth retardation was not evident.

## **AZALEAS (FLORIST)**

**Optimum Rate Selection, Important:** Azalea cultivars may vary in their response to CONCISE. Test CONCISE on a small number of plants to identify appropriate rates for local conditions and specific cultivars

Use of CONCISE on Azaleas can result in increased flower number and improved appearance of some cultivars. For late season applications, use rates at the upper end of the labeled range.

**Foliar Spray:** Apply as a uniform spray at a volume of 1.5 qts. per 100 sq. ft. of bench area approximately 4 to 6 weeks after final pinch.

**Shorter Growing Cultivars (Gloria, Solitaire):** Apply CONCISE as a foliar spray at 2.6 fl. oz./gal. (equal to 76 ml/gal. or 10 ppm). If a second application is necessary, apply 1.3 - 2.6 fl. oz./gal. (equal to 38 - 76 ml/gal. or 5 - 10 ppm) 2 to 3 weeks after the initial application.

**Taller Growing Cultivars (Prize):** Apply CONCISE as a foliar spray at 2.6 to 3.8 fl. oz./gal. (equal to 76 to 114 ml/gal. or 10 ppm). If a second application is necessary, apply 2.6 – 3.8 fl. oz./gal. (equal to 76 – 114 ml/gal. or 10 – 15 ppm) 2 to 3 weeks after initial application.

**Drench Applications:** Optimum rates for drench applications to Azaleas have not been determined. Users can conduct trials based on rates specified in the “Determining Optimum Rates of Application” section of this label.

## **WOODY LANDSCAPE ORNAMENTALS**

**Optimum Rate Selection, Important:** For first time users of CONCISE for a specific plant species, treat a limited number of plants and make rate adjustments according to

the plant response desired. Application rates for some specific woody landscape ornamentals are listed below.

For landscape ornamental crops not listed, users can conduct trials based on rates specified in the “Determining Optimum Rates of Application” section of this label.

**Foliar Spray:** Apply CONCISE as foliar spray at a volume of 2 qts. per 100 sq. ft. of treated area within 7 days after pruning. Make additional applications as necessary to obtain desired results.

**Table 9 - WOODY LANDSCAPE ORNAMENTALS RATE**

Plant	Spray Concentration Range		
	fl. oz./gal.	ml/gal.	PPM
Crape Myrtle	12.8	379	50
Hibiscus*	2.6	76	10
Ixora*	3.8	114	15
Photinia	6.4	189	25
Pyracantha	6.4	189	25

\*All states except Florida. (For Florida Use Directions, see HIBISCUS & IXORA sections.)

**Drench Application:** Optimum rates for drench applications to woody landscape ornamentals have not been determined. Users can conduct trials based on rates specified in the “Determining Optimum Rates of Application” section of this label.

**Note:**

- For best results, do not treat under cool temperatures.

**HIBISCUS**

**For use in Florida only: Refer to WOODY LANDSCAPE ORNAMENTALS section for other states.**

**Foliar Spray:** Use from 1.3 to 2.6 fl. oz./gal. (38 to 76 ml/gal., 5 to 10 ppm) and apply a uniform spray at a volume of 3 qts. per 100 sq. ft. of bench area. Make multiple applications as necessary.

**IXORA**

**For use in Florida only: Refer to WOODY LANDSCAPE ORNAMENTALS section for other states.**

**Optimum Rate Selection, Important:** Timing of applications will depend on cultivar, time of year, and growing conditions. Test CONCISE on a small number of plants to identify appropriate rates for local conditions and specific cultivars.

**Foliar Spray:** Apply CONCISE as a foliar spray at 5.1 fl. oz./gal. (151 ml/gal., 20 ppm) 4 to 8 weeks after first pinch as a uniform spray at a volume of 1.5 qts. per 100 sq. ft. of bench area. If a second application is necessary, apply 2.6 to 3.8 fl. oz./gal. (76 to 114 ml/gal., 10 to 15 ppm) 3 to 4 weeks after the initial application.

## **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Keep containers tightly closed when not in use. Store in cool, dry place. Protect from temperatures below 32° F. This product may freeze. If freezing should occur, thaw and shake gently to unify the product. Do not store diluted product.

**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:** [5 gallons or less]: Non-refillable 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 if available or reconditioning if appropriate, or puncture and 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.

[greater than 5 gallons]: Non-refillable 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 if available or reconditioning if appropriate, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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