



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

84229-71

Date of Issuance:

9/19/25

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Tide Paclo 4X ME

Name and Address of Registrant (include ZIP Code):

Tide International, USA, Inc.
c/o Pyxis Regulatory Consulting Inc.
535 Dock St, Ste 211
Tacoma, WA 98402

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Continues page 2

Signature of Approving Official:

Stephanie Suarez, Ph.D., Acting Product Manager 22
Fungicide Branch, Registration Division (7505T)

Date:

9/19/25

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 84229-71."
3. Submit one copy of the final printed label for the record before you release the product for shipment.

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 FIFRA 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) lists 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 08/01/2025

If you have any questions, please contact Thomas Harty at 202-566-0394 or at harty.thomas@epa.gov.

Enclosure

{Note to reviewer: [Text] in brackets denotes optional text. In instances where a word or phrase has multiple optional text options, at least one will be used to ensure that the entire statement is clear and understandable. {Text} in braces denotes where in the final label text will appear and notes to reviewer and will not be included on the final printed label.}

Tide Paclo 4X ME

Ornamental Plant Growth Regulator

ACTIVE INGREDIENT:	% BY WT.
Paclobutrazol	4.0%
OTHER INGREDIENTS:	96.0%
TOTAL:	100.0%

TIDE PACLO 4X ME contains 0.34 lbs of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.</p>	

[See [inside] [attached] [label] booklet for [First Aid,] [additional] [Precautionary Statements,] [and] [Directions For Use,] [and] [Storage and Disposal,] [including] [Storage and Disposal [Statements] [Instructions][.]]

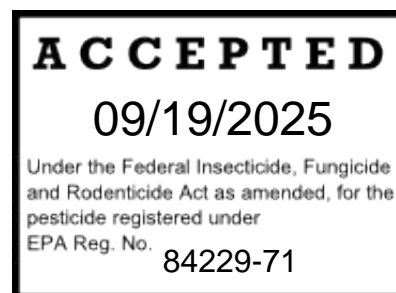
EPA Reg. No. 84229-[XX]
[Batch][Lot]No.][Batch Code will be placed on the container.]

EPA Est. No.

Manufactured For:

Tide International, USA, Inc
21 Hubble
Irvine, CA 92618
[ML02272025]

NET CONTENTS:



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive to eyes. Causes irreversible eye damage. **DO NOT** get in eyes or on clothing. Avoid contact with skin or clothing. Wear protective clothing (long sleeved shirt, long pants, socks, and shoes) and eyewear such as goggles, face shield, or safety glasses, and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

IMPORTANT: Read the entire directions for use and the conditions of sale and warranty before using this product.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made of out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride ≥14 mils, or Viton ≥14 mils.
- Protective eye wear (goggles, face shield, or safety glasses).
- 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

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.

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 or disposal of equipment washwaters or rinsate.

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

In outdoor commercial ornamental and nursery uses, follow foliar applications of Tide Paclo 4X ME by irrigation within 24 hours to remove product from foliage and limit surface movement. If overhead irrigation is not available, time applications to allow Tide Paclo 4X ME to dry on the treated surface prior to a rain event.

To limit unwanted surface runoff in outdoor ornamental uses, **DO NOT** apply when growth media is saturated.

Read all label directions carefully before use.

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:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride, or Viton.
- Protective eye wear (goggles, face shield, or safety glasses).
- Shoes plus socks.

PRODUCT INFORMATION

- The multitude of variations in application methods, cultivar, species, climactic and growing conditions makes it impossible to test TIDE PACLO 4X ME under all conditions. TREAT A LIMITED NUMBER OF PLANTS AND OBSERVE PLANT RESPONSES BEFORE APPLYING TIDE PACLO 4X ME TO A LARGE NUMBER OF PLANTS FOR THE FIRST TIME.
- TIDE PACLO 4X ME is a plant growth regulator for use on commercially grown ornamental plants grown in containers in nurseries and greenhouses.
- TIDE PACLO 4X ME reduces internode elongation, resulting in more desirable compact plants.
- Apply TIDE PACLO 4X ME by spray, drench or liner dip.
- Under certain conditions, TIDE PACLO 4X ME may be most effective when applied in sequential applications.
- Consistently agitate the spray/drenching solution of TIDE PACLO 4X ME to ensure uniform distribution during application.
- TIDE PACLO 4X ME does not require the addition of wetting agents.
- The efficacy of TIDE PACLO 4X ME is affected by environmental and cultural conditions. Conditions causing vigorous growth require higher rates of TIDE PACLO 4X ME to achieve the desired effect. Temperature is particularly important in this respect.

- Response to TIDE PACLO 4X ME treatments varies with species and variety.

In this label there is wording noting production zones for the USA in reference to rates to be applied to various plant species. The following is a description of the ornamental plant production zones in the USA. These are meant to serve as a general guideline and not exact demarcation lines for the delineation of the zones. As geographies and topographies near the zonal change areas and even within zones can vary in their microclimates, altitudes and general weather patterns, the zonal descriptions below are only meant to serve as a general guideline or starting point for the determination of rates of products to be applied.

ZONES

Northern Zone (e.g. Northern Belt Region): In general, this would be the area of the USA north of Longitude 39-degrees.

Central Zone: In general, this would be the area of the USA between 34- and 39-degrees Longitude.

Southern Zone (e.g. Sunbelt Region): In general, this would be the area of the USA south of Longitude line 34-degrees.

RESTRICTIONS

- TIDE PACLO 4X ME is an effective compound. **DO NOT** REUSE POTS, TRAYS, OR OTHER CONTAINERS THAT PREVIOUSLY HELD PLANTS OR SOIL TREATED WITH TIDE PACLO 4X ME.
- **DO NOT** use on fibrous begonias as they are very sensitive to TIDE PACLO 4X ME.
- **DO NOT** USE TIDE PACLO 4X ME on annual Vinca (periwinkle) may cause spotting of foliage.

MIXING INSTRUCTIONS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Half fill the mix tank with clean water. Accurately measure out the required amount of TIDE PACLO 4X ME according to Table 1. Add the TIDE PACLO 4X ME to the mix tank and fill the tank with the remaining required amount of water to achieve the correct concentration.

Table 1 - TIDE PACLO 4X ME DILUTION TABLE

ppm paclobutrazol desired	ml per gallon of water
1	0.10
2	0.20
3	0.30
4	0.40
5	0.50
10	1.00
20	2.00
25	2.50
30	3.00
40	4.00

ppm paclobutrazol desired	ml per gallon of water
50	5.00
100	10.0
200	20.0

APPLICATION TECHNIQUES

1. SPRAY APPLICATIONS

- Spray application must only be performed in enclosed areas, such as greenhouses, where spray drift outside the treated area cannot occur.
- A period of 30 minutes must be allowed after application before overhead irrigation or rain occurs.

When applying TIDE PACLO 4X ME by spray, it is important that:

- Sufficient volume is used to thoroughly wet plant stems.
- Application of excessive spray solution may result in greater than desired effect as TIDE PACLO 4X ME is taken up through both roots and stems.
- Uniform coverage of all plants is achieved.
- Maximum application rates must never be exceeded.

Sequential applications using 50-100% of the lowest application rate can provide more uniform growth effects and also guard against overdosing. This is particularly true when cooler temperatures or lower light conditions occur.

Generally the spray volume for small plants in small containers or plug trays which are closely spaced is 1-2 qts./100 sq. ft. of bench space. For larger plants with a well developed canopy, the spray volume is approximately 3 qts./100 sq. ft. of bench space.

2. DRENCH APPLICATIONS

Drench applications of TIDE PACLO 4X ME tend to be the most effective in reducing plant height and producing a uniform effect. Drench applications can be made, without phytotoxic effects, late in the growing cycle, at or near the point that marketable size is reached.

When applying TIDE PACLO 4X ME by drench, it is important that:

- Applications are made to moist potting media.
- Uniform distribution of drench is achieved.
- No more than 10% run through of solution occurs.
- Regard is paid to the growing media. Media containing bark or of high organic content may require the use of higher application rates.
- When applied as a drench through sub-irrigation in saucers or benches etc. reduce rates by 25-50%.
- When continuously applied through irrigation water, reduce the rate used to 5-25% of a single conventional drench application.
- Maximum application rates must never be exceeded.

Table 2 provides a guide to determining the appropriate drench volume needed for the specified pot sizes based on the capacity of a 6 inch 'Azalea' type pot. Individual pots vary in style and depth and thus capacity. Growers must determine the appropriate concentration and volume of drench to apply according to the pot volume, media and species/variety of plant considered.

Table 2 - DRENCH VOLUME GUIDELINES

Pot Diameter (inches)	Drench Volume (fl. oz./pot)	mg of paclobutrazol/pot			
		1 ppm	2 ppm	3 ppm	4 ppm
4	2	0.063	0.125	0.188	0.25
5	3	0.094	0.188	0.282	0.375
6	4	0.125	0.25	0.375	0.5
8	10	0.313	0.625	0.938	1.25
10	25	0.783	1.56	2.35	3.125
10" hanging basket	15	0.47	0.939	1.41	1.878
12	40	1.25	2.5	3.75	5

DETERMINING OPTIMUM RATES

Optimum TIDE PACLO 4X ME rates will vary between growers and will depend on the desired final plant height, growing conditions, applications techniques, species, and variety or cultivar. Conduct trials with small numbers of plants using the specified label rates to determine the optimum rates before TIDE PACLO 4X ME is applied to a large number of plants. Growers may find they have to adjust application rates, techniques, timings and treatment periods to achieve their desired effect.

- The rates on this label are rate ranges and must only be used as guidelines.
- Always start trials at the lowest rate and work up as required.
- **DO NOT** exceed the maximum rate.

For ornamental plant species not specifically listed on the label, growers should run initial trials using the rates specified in Table 3.

Table 3 - TRIAL RATES (ppm) BY GENERAL PLANT TYPE *

Plant Type	Spray	Drench
Bedding Plants	30	1
Bedding Plant Plugs	5	NR
Flowering/Foliage Plants (annual or perennial)		
-Herbaceous Species	30	1
- Woody Species	50	2
Woody Landscape Plants	100	4
Bulb Crops	100	10

NR = use is not recommended

* These trial rates are based on use in the Sunbelt Region. Run initial tests using 0.5 X the rates listed in regions north of the Sunbelt.

3. PRE-TRANSPLANT LINER DIP APPLICATIONS ON PLUGS OR ROOTED CUTTINGS OF BEDDING PLANTS AND HERBACEOUS FLOWERING/FOLIAGE PLANTS

Applying TIDE PACLO 4X ME by liner dip 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 TIDE PACLO 4X ME can be effective in controlling the height of very vigorous plants that tend to grow rapidly, following transplant. Liner

dip applications also allow the use of variable TIDE PACLO 4X ME rates within single mixed-plant containers, thereby providing greater plant growth uniformity.

Moisture level of the substrate at the time of liner dip treatment will influence the degree of TIDE PACLO 4X ME absorption, and thusly its availability to the roots. At the time of TIDE PACLO 4X ME 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 TIDE PACLO 4X ME-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.

Root Development: The degree of root development at the time of treatment can affect the plant's response to TIDE PACLO 4X ME. Poorly rooted or immature cuttings can be excessively stunted. Therefore, treat only well rooted cuttings with liner dip applications of TIDE PACLO 4X ME.

Solution Depth: The depth of treated solution may affect the activity level of a TIDE PACLO 4X ME liner dip treatment. Since the majority of roots are located at the lower one-half of the plug, ensure the solution depth covers at least 50% of the liner cell height.

Treatment Timing: The length of time from treatment to transplanting will have a minimal impact on TIDE PACLO 4X ME activity, allowing for good flexibility. Times ranging between 2 hours to a 10 with liner dip treatments have been shown to provide equally effective results.

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 TIDE PACLO 4X ME 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 dip, age of cuttings and length of time between treatment and transplant. Conduct initial trials using the rates in Table 3.

Table 4– TRIAL RATES (ppm) FOR LINER DIPAPPLICATION

RATES FOR VEGETATIVE ANNUALS SHOULD FOCUS 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
Low	2-3	0.5-1
Medium	4-5	2-3
High	6-8	4-6

- Avoid liner soaks for any crop in which the spread of root-borne disease is possible.

USES AND RATES BY CROP

BE SURE YOU HAVE READ, UNDERSTOOD AND ACTED UPON THE INSTRUCTIONS OF THE SECTION 'DETERMINING OPTIMUM RATES' BEFORE APPLYING TIDE PACLO 4X ME TO A LARGE NUMBER OF PLANTS.

A. FLORIST AZALEAS

Apply TIDE PACLO 4X ME as a spray or drench to azaleas.

Use concentrations of 100 - 200 ppm for spray applications and 5 - 15 ppm for drenches.

Make applications to control plant height and promote flower bud initiation when new growth after final pruning is 1.5 - 2 inches long.

Make applications to reduce bypass shoot development after bud set when bypass shoots are

barely visible, or about 5 to 7 weeks prior to cooling.

B. BEDDING PLANTS

Spray bedding plants with TIDE PACLO 4X ME. Use rates are:

Plant	Rate Range (ppm)	Plant	Rate Range (ppm)
Ageratum	15-45	Marigold (African)*	30-60
Alyssum	40-60	Marigold (French)	15-30
Celosia	15-45	Pansy	5-15
Coleus	15-30	Petunia	15-45
Dahlia	15-45	Salvia	20-60
Dianthus	20-60	Snapdragon *	30-90
Impatiens (standard)	10-45	Verbena	15-30
Impatiens (New Guinea)	2.5-15	Zinnia	15-45

* Apply at an early stage of plant growth with good stem coverage, especially for vigorous varieties.

- High rates of TIDE PACLO 4X ME may delay flowering, especially of impatiens and petunia.
- Late applications and overdosing may cause slow growth on transplantation. This can be avoided by using multiple applications of 25 - 50% of the specified rate and monitoring plant growth.

For bedding plants not listed above, start with a rate of 30 ppm in the Sunbelt Region and 15 ppm in the Northern Belt Region. Start applications when new growth reaches 2 inches or when plants reach marketable size.

C. BEDDING PLANT PLUGS

Spray bedding plant plugs with TIDE PACLO 4X ME. Use rates are:

Plant	Rate Range (ppm)	Plant	Rate Range (ppm)
Ageratum	5-10	Marigold (African)	10-20
Alyssum	10-20	Marigold (French)	5-10
Celosia	5-10	Pansy	1-5
Coleus	5-10	Petunia	5-10
Dahlia	5-10	Salvia	5-10
Dianthus	10-20	Snapdragon	10-20
Impatiens (standard)	0.5-10	Verbena	5-10
Impatiens (New Guinea)	0.25-5	Zinnia	5-10

- Drench applications of TIDE PACLO 4X ME are not recommended for bedding plant plugs.
- When assessing optimum rates pay particular attention to how treated plants grow after transplanting to avoid overdosing.

For bedding plants not listed above, start with a rate of 5 ppm to determine optimum rates. Start applications when plants reach the 1 - 2 true leaf stage.

D. BULB CROPS

Apply TIDE PACLO 4X ME by spray or drench. Spray applications of TIDE PACLO 4X ME are the least desirable method for controlling plant height and must be applied sequentially to maximize uniformity of the crop. Begin applications when plants reach a height of 2 – 4 inches.

Drench applications of TIDE PACLO 4X ME are very effective. For most bulb types, begin drench applications when plants reach a height of 1 - 2 inches. For bulbs which require a cold period, apply TIDE PACLO 4X ME drenches 1 to 5 days after thermal treatment.

Use rates and soak timings are:

Plant	Spray rate (ppm)	Drench rate (ppm)
Amaryllis	ND	200
Caladium	100-200	2-16
Calla Lily	ND	5-15
Daffodil	ND	20-40
Dahlia	ND	10-40
Freesia	ND	2-4
Hybrid Lily (Asiatic Oriental, LA)	200-500	4-30
Montbretia	ND	ND
Tulip	ND	5-40

ND = Rates for this particular use have not been determined. For these applications and for species not listed, run initial trials as outlined in the section 'DETERMINING OPTIMUM RATES'.

E. POT CHRYSANTHEMUMS

Apply TIDE PACLO 4X ME to pot chrysanthemums as a spray or drench.

Use concentrations of 50 - 200 ppm for spray applications and 1 - 4 ppm for drenches.

Begin applications when axillary shoots are 2 to 3 inches long. Earlier applications can be made to vigorous varieties.

- When spraying, sequential applications of reduced rates tend to produce more uniformly shaped plants.
- If late treatment is required at disbud, minimal effect on flowering will occur if drench applications are used.
- Uniform application of both sprays and drenches is critical to uniform crop development.

F. UNLISTED FLOWERING & FOLIAGE PLANTS

Apply TIDE PACLO 4X ME as a spray or drench to a wide variety of other flowering plants and foliage plants. Herbaceous species tend to require lower rates than woody species. For species not listed, run initial trials as outlined in the section 'DETERMINING OPTIMUM RATES'.

G. GERANIUMS

Apply TIDE PACLO 4X ME as a spray or drench to geraniums.

Use concentrations of 10 - 30 ppm for spray applications. Begin applications for zonal geraniums when new growth is 1.5 - 2 inches long. Begin applications for seeded geraniums at 2 - 4 weeks after transplanting or when necessary.

- Geranium species are extremely sensitive to TIDE PACLO 4X ME treatment. Growers must be cautious and conduct test trials before using drenches to apply TIDE PACLO 4X ME.
- Early applications may require lower rates to avoid overdosing.
- TIDE PACLO 4X ME will reduce late stretch when applied as the flower stems begin to elongate.

H. HIBISCUS

Apply TIDE PACLO 4X ME as a spray or drench to Hibiscus.

Use concentrations of 30 - 150 ppm for spray applications.

Begin applications when lateral shoots are 1 to 4 inches long.

- Single applications will control growth for 3 to 6 weeks but sequential applications tend to produce more uniformly shaped plants.
- Apply TIDE PACLO 4X ME 1 to 2 weeks prior to flowering to prevent late stretch.
- Conduct test trials as outlined in the section 'DETERMINING OPTIMUM RATES' before using drenches to apply TIDE PACLO 4X ME.

I. PERENNIALS

Apply TIDE PACLO 4X ME as a spray or drench to a wide variety of perennial plants.

Use rates are:

Plant	Spray rate (ppm)	Drench rate (ppm)
Alcea rosea	30-50	1-2
Asclepias	30-60	ND
Chrysanthemum	50-200	1-4
Coreopsis	80-100	5-10
Delphinium	30-60	ND
Digitalis	80-160	2-4
Eupatorium	240*	8-10
Gaura	30-80*	15
Jacobinia (pink)	5-10	0.5-1
Monarda	60-100*	6-10
Salvia	40-60	ND
Stokesia	40-80	ND
Verbena	80*	10
Veronica	20-40	ND

*Multiple applications may be required.

ND = Rates for this particular use have not been determined. For these applications and for species not listed, run initial trials as outlined in the section 'DETERMINING OPTIMUM RATES'.

J. POINSETTIAS

Apply TIDE PACLO 4X ME as a spray or drench to Poinsettias.

Use concentrations of 10 - 30 ppm for spray applications in most regions but 15 – 45 ppm in southern Florida.

Begin applications to slower growing varieties in cool climates when axillary shoots are 2 to 3 inches long. For vigorous growing varieties in warm climates, begin applications when axillary shoots are 1.5 to 2 inches long. Sequential applications may be applied 1 to 3 times, applying approximately the same amount of TIDE PACLO 4X ME in total as a single dose, at 7 to 14 day intervals, depending on plant vigor/growth.

Late sprayed applications of TIDE PACLO 4X ME will reduce plant height but may reduce bract size. **DO NOT** apply TIDE PACLO 4X ME after the initiation of short days. Generally, **DO NOT** apply TIDE PACLO 4X ME sprays after October 25 in Florida or after October 1 in other regions.

Use concentrations of 0.25 - 3 ppm for drench applications. (Based on 4 fl.oz./6 inch pot).

Make early production applications when axillary shoots are 1.5 to 3 inches long. Late season drench applications can be made after the initiation of short days in order to prevent late season stretch (i.e. growth). Late season drench applications will have a minimal effect on bract size.

- Single applications at the higher rates are very effective but sequential applications tend to produce more uniformly shaped plants and also guard against overdosing.
- **Optimum TIDE PACLO 4X ME rates and timings will vary depending on the variety. For slower growing, less vigorous varieties, use the lowest labeled rate.**

K. WOODY PLANTS

Apply TIDE PACLO 4X ME as a spray or drench to woody plants.

Effective rates vary greatly with species. For all applications, run initial trials as outlined in the section 'DETERMINING OPTIMUM RATES'.

Examples of woody plants include, but are not limited to:

Azalea	Euonymus	Juniper	Photinia
Bougainvillea	Hibiscus	Kalmia	Pine
Camellia	Hydrangea	Ligustrum	Rhododendron
Cotoneaster	Ilex (Holly)	Magnolia	Rose

USE DIRECTIONS FOR CHEMIGATION

In addition to the above use rates, the following precautions must be observed when using this product in any type of irrigation system:

Apply this product only through the following systems:

- 1) Overhead sprinklers such as impact, or micro-sprinklers, or booms.
- 2) Microirrigation such as spaghetti-tube or drip emitters.
- 3) Mist-type irrigation.
- 4) Hand-held calibrated equipment such as the hand-held wand with injector.
- 5) Sub-irrigation, such as ebb and flow and flooded floor systems, or through individual saucers.

DO NOT apply this product using irrigation systems that may result in spray drift, such as micro-sprinklers or mist-type irrigation systems, except in enclosed areas, such as greenhouses, where spray drift outside the treated area cannot occur.

DO NOT apply this product through any other type of irrigation system. Crop injury or lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have any questions about calibration, contact your 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 of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPRINKLER CHEMIGATION:

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 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 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.

Fill the supply tank with the desired amount of water. Then add the amount of TIDE PACLO 4X ME required in order to achieve the final solution rate for the specific crop to be treated. Agitate the mixture of TIDE PACLO 4X ME and water frequently during the chemigation period to assure a uniform distribution throughout the system. Apply TIDE PACLO 4X ME continuously for the duration of the water application but **DO NOT** exceed labeled rates and volumes as outlined on the product label. For overhead applications to the foliage and stems, apply at a volume of 1 to 2 qts. per 100 sq. ft. for plugs and plants with small canopies. Volumes of 2 to 3 qts. per 100 sq. ft. may be necessary for plants with large canopies. For applications to the soil, apply at a volume of 4 fl. oz. per 6 inch pot.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:

Public water system 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 daily at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems 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 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, or in cases where there is no water pump, when the water pressure decreases to the point where the 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use.

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

Container Handling: [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 $\frac{1}{4}$ 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 $\frac{1}{4}$ 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.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Tide International, USA, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold Tide International, USA, Inc. and Seller harmless for any claims relating to such factors.

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