

QUALI-PRO

PAC-LOW SC



ACTIVE INGREDIENT:

Paclobutrazol (±)-(R*, R*)-beta-
[(4-chlorophenyl) methyl]-alpha-

(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol...22.9%

OTHER INGREDIENTS: 77.1%

TOTAL: 100.0%

Contains 2 lbs. of active ingredient per gallon.

EPA Reg. No. 53883-519

EPA Est. No. 53883-TX-002

NET CONTENTS:

1 GALLON



0 72693 14008 0

**KEEP OUT OF
REACH OF CHILDREN
CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you **DO NOT** understand the label, find someone to explain it to you in detail.)

See side side panel(s) for First Aid,
Precautionary Statements, Directions for Use
and Storage and Disposal.



ADAMA

Manufactured for:

**Control
Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama
Consumer and Professional Solutions

EPA 061522

FIRST AID	
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by the poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, or Viton® > 14 mils
- Shoes plus socks

Follow 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:

- 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/clothing 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 by cleaning of equipment or disposal of equipment washwaters or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT use or store near heat or open flame. **DO NOT** mix or allow coming in contact with oxidizing agents. hazardous chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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.

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), restricted-entry interval, and notification to workers. 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.

For early entry into 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 wear:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, butyl rubber > 14 mils nitrile rubber > 14 mils, or Viton® > 14 mils
- Shoes plus socks

TURF DIRECTIONS FOR USE

This product is a plant growth regulator for non-residential turfgrass that slows grass growth for up to two months after application. The frequency of mowing can be reduced by up to 50% during the period of effective retardation. Use of this product on fine turf should be accompanied by moderate-to-high fertility to maintain turfgrass appearance and reduce discoloration. Growth and development of some grasses (e.g. *Poa annua*) can be significantly reduced, leading to selective control after prolonged use in mixed populations.

What Applications of this product to Turfgrasses Provide

- Slowed vertical growth and reduced mowing for 6 to 8 weeks on established hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees and roughs, and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf areas (use reduced rates on bentgrass and overseeded bermudagrass greens).
- Improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone.
- Reduced potential for scalping of all turfgrass areas.
- Better ball playability on hybrid bermudagrass due to increased turf density and tighter-knit turf areas.
- Suppression of *Poa annua* by reducing its growth and competitive ability.

When to Use for Growth Suppression of Warm-Season Grasses

Use anytime when established hybrid bermudagrass and St. Augustinegrass are green, actively growing and have recovered from dormancy (filled in fully following winter).

When to Use for Growth Suppression of Cool-Season Grasses

Apply in spring after green-up and after turf has been mowed once or twice. Apply at least 1 month before onset of high air temperatures. In late summer/early fall, apply at least 1 month before anticipated first killing frost.

When to Use for *Poa annua* Suppression

Apply when the *Poa annua* is actively growing. In moderate climates the application timing may be fall through late spring. In northern climates, spring and fall timings are recommended. In climates with a prolonged winter dormancy, fall applications can be made up to one month prior to anticipated first killing frost. Repeat application should be made as part of a *Poa annua* suppression program.

When to Use for Color and Quality Enhancement of Winter Overseeded Turf and *Poa annua* Suppression

Apply anytime after overseeded turf has successfully established itself (cool-season turf species should be near 85% of turf composition). **DO NOT** apply after March 15 to putting greens to avoid delay in bermudagrass green-up. Moderate soil moisture conditions should be present before and after application to achieve best regulating effect.

USE DIRECTIONS

Apply treatment solution uniformly to turf. **DO NOT** use on residential turf. For best results, apply 0.25 inch of water within 24 hours after application to remove product from foliage and onto soil surface.

After this product application, water-in within 24 hours to limit surface movement, but not to the point of runoff. To prevent product runoff, time applications to allow for watering-in and maximum absorption into treated turf prior to a rain event. **DO NOT** apply this product to turf within rights-of-ways.

Apply with standard pressurized spray application equipment with by-pass or mechanical agitation using strainer screens of 50 (or coarser) mesh. Product should be added during filling of applicator tank. When tank is allowed to stand, vigorous agitation should be used to assure material suspension before application.

Apply this product to turf in sufficient amount of water (minimum 1 gallon treatment solution per 1,000 sq. ft. = 43.5 gals./acre) to ensure uniform coverage. For best results, use 2 to 3 gallons of water per 1,000 sq. ft. A color agent or other marking device is advised to avoid skipping and/or overlapping.

Treatment Coverage Chart¹

Rate of Active Ingredient per Acre	Fluid Ounces of Product per Acre
0.10 lbs. a.i.	6.4 oz.
0.16 lbs. a.i.	10.0 oz.
0.25 lbs. a.i.	16.0 oz.
0.50 lbs. a.i.	32.0 oz.
0.75 lbs. a.i.	48.0 oz.

¹Product should be mixed with minimum 1 gal water/1,000 sq. ft. Use 2 to 3 gals/1,000 sq. ft. for best results.

Specific Rates

Warm Season Grasses	Cool Season Grasses ¹ (except putting greens)	Bentgrass Putting Greens	Overseeded Bermudagrass
0.50 lbs a.i./A (sandy soils)	0.25 to 0.50 lbs. a.i./A	0.10 to 0.25 lbs. a.i./A	0.10 to 0.16 lbs. a.i./A
0.75 lbs a.i./A (clay soils)			

¹Reduce application rate by 50% if *Poa annua* is a significant portion of turfgrass population (greater than 50%).

Apply 0.5 to 0.9 lbs. nitrogen/1,000 sq. ft. of a non-burning fertilizer product on warm and cool season grasses. Apply 0.25 to 0.5 lbs. nitrogen/1,000 sq. ft. on bentgrass greens and overseeded bermudagrass.

Results to Expect from Application of this product

When applied as directed, vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6- to 8-week period. Following applications, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

Following application of product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

Growth and competitive ability of *Poa annua* will be reduced within 1 to 2 weeks after application; regulation will last 3 to 8 weeks. Turfgrass shoots and leaves will become discolored for 3 to 8 weeks following onset of growth regulation. With proper fertilization, desired turfgrasses will be stimulated to crowd out weakened *Poa annua*.

As density of treated fairways increases due to altered growth habit, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.

Seedhead formation will not be prevented. Seedheads should be mowed off as they grow above turf cutting height to maintain a desirable-looking turf.

Excessive irrigation and/or nitrogen fertilization may shorten period of growth regulation.

Regulator response will vary somewhat according to turf variety. For St. Augustinegrass, Bitter Blue will be the most responsive and Floratam the least responsive.

HYBRID BERMUDAGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Tifway I, II	Medium/Good	5 - 6 weeks	6 - 8 weeks
Tifgreen	High/Excellent	6 - 8 weeks	8 - 10 weeks
Ormond	High/Excellent	6 - 8 weeks	8 - 10 weeks

ST. AUGUSTINEGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Floratam	Low/Moderate	4 - 6 weeks	5 - 8 weeks
Floralawn	Low/Moderate	4 - 6 weeks	5 - 8 weeks
Floratine	Medium/Good	6 - 7 weeks	7 - 8 weeks
Raleigh, Texas	Medium/Good	6 - 7 weeks	7 - 8 weeks
Bitter Blue, Seville	High/Excellent	7 - 8 weeks	8 - 10 weeks

Program Scheduling

If crabgrass or other annual grassy weeds have been a problem in the past, an application of the appropriate preemergence weed control product should be made before the use of this product. Space the applications of this product and oxadiazon-based preemergence products at least 4 weeks apart on putting greens.

If a weed, disease or insect problem occurs after application of this product, apply an appropriate control product at its recommended rate. This product is compatible with most existing control products. Use of this product in combination with fungicides containing propiconazole, fenarimol, triadimefon, and myclobutanil can result in increased growth inhibition of *Poa annua* on putting greens.

For Growth Regulation

Repeat applications can be made within the same growing season as long as the turf is actively growing. Turfgrass species and growth rate will dictate rate and timing of applications. **DO NOT** apply more than 4 quarts per acre per year (2 lbs. a.i./A).

For *Poa annua* Suppression

This product will suppress the growth and competitive ability of *Poa annua*. Apply when *Poa annua* is actively growing at 16 to 32 ounce per acre. Lower rates and more frequent applications can be made if *Poa annua* discoloration cannot be tolerated. However, only moderate *Poa annua* suppression may be achieved. **DO NOT** apply more than 4 quarts per acre per year (2 lbs. a.i./A).

For Color, Quality Enhancement, and *Poa annua* Suppression in Overseedings

On bentgrass greens and overseeded bermudagrass, repeat applications can be made as long as the turf is actively growing. **DO NOT** apply more than 4 quarts per acre per year (2 lbs. a.i./A). Apply to overseeded turf when seed has established and turf composition is near 85% of the cool season species.

DO NOT apply to overseeded bermudagrass greens after March 15th to avoid delay of spring green-up of dwarf-type bermudagrass.

DO NOT aerify or topdress and drag greens with steel mats while under growth regulation.

DO NOT seed within 6 weeks prior to or 2 weeks after application of this product.

If Embark® is used for *Poa annua* seedhead control, apply this product at least 14 days after application of Embark.

USE RESTRICTIONS

- **DO NOT** use on residential lawns.
- **DO NOT** use on bermudagrass putting greens except for winter overseeding enhancement use.
- **DO NOT** use on athletic fields under heavy traffic where maximum growth potential of turf is desired.
- **DO NOT** use on shrubs, flowers, fruits, or vegetable plants (applications to turf areas under trees will not affect/harm trees).
- **DO NOT** use during periods of extreme dry or cold weather conditions, or during heavy insect or disease activity.
- **DO NOT** apply product when soil is already saturated. Heavy rainfall or irrigation in the treated areas may cause active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.
- **DO NOT** use on areas containing greater than 70% *Poa annua*, since discoloration of *Poa annua* may be unacceptable.
- Delay treatment of newly-sodded or sprigged turf until grass has knitted down and rooted firmly.
- Delay sprigging for at least 4 weeks and sodding at least 2 weeks after application is made.
- **DO NOT** apply this product through any type of irrigation equipment.
- Withhold application on large turf areas that have been thinned from winter drainage, disease, or insects until desired fill-in is achieved.

- Assure that dosage rates are measured accurately since rates greater than those recommended may cause undesirable turf growth control and may discolor areas temporarily.
- Shake container thoroughly before use.
- For best residual activity, this product should be removed from leaf surfaces by irrigation or rainfall prior to mowing.
- Broadleaf weeds are not significantly affected by this product. To control the growth of weeds, treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.
- **DO NOT** use on areas to be cultivated for food or feed crops or to be resown with grasses within two years of treatment.
- **DO NOT** apply more than 4 qts. per acre per year (2 lbs. a.i./A).
- **DO NOT** graze treated areas or harvest for forage or hay.

TREES DIRECTIONS FOR USE*

***NOT FOR USE IN CALIFORNIA**

This product is a xylem mobile plant regulator that slows vegetative growth as well as creating other physiological effects by inhibiting gibberellin biosynthesis. This product reduces the above ground vegetative growth and changes specific morphological characteristics of the plant. This product is most effective when applied to the soil near the base of the tree either by soil injection or with basal soil drench.

This product can be used on listed trees found in such areas as urban environments, utility rights-of-way, residential areas and other non-crop areas.

Characteristics of results in the tree:

The activity of this product occurs following root uptake and xylem translocation throughout the tree canopy. This occurs within a few weeks, although maximum growth inhibition may not be fully visible for up to 18 months following application. Initial effects of this product may be observed as intense greening of the foliage with no phytotoxicity. Trees treated with this product will exhibit shorter internodes, a reduction in the diameter growth of the main stem wood, thicker leaf cuticles, and an increase in fine root growth in some species. Smaller leaf size and enhanced flowering may also be observed in some species.

USE PRECAUTIONS

- Apply at recommended rates and follow safety procedures.
- Trees not used for food production and that are not specifically listed on this label may be treated if all other label directions are followed.
- Local soil and environmental conditions can affect the degree and longevity of effect following application of this product. Follow label instructions to increase effectiveness depending on these factors.
- **DO NOT** reapply this product until symptoms from the previous applications begin to disappear, or within 3 years of the last application, whichever comes first.
- For hard-to-wet soils, the mobility of this product can be enhanced by using a nonionic, organosilicone surfactant.
- Trees growing in heavily compacted soils may need to be vertical mulched or soil aerated for this product to effectively promote root growth.
- Basal drench and soil injection application of this product may result in localized, temporary discoloration of turfgrass immediately adjacent to the treatment site.
- Avoid basal drench applications on slopes or other areas where this product or treated soil may be washed away from the base of the tree by rainfall or irrigation.
- Treatment of trees bordered by shrubs and/or herbaceous ornamentals may cause these plants to be affected if their roots extend into the treatment zone.
- **DO NOT** treat sugar maple trees or any other trees that are or could be tapped for sugar within one year of application.

- **DO NOT** treat nut or fruit trees that will be harvested within one year of application.
- **DO NOT** treat trees that are severely stressed or rapidly declining
- **DO NOT** apply this product through any type of irrigation system.

USE DIRECTIONS

APPLICATION METHODS

This product may be applied as a basal drench or by soil injection. Application should be made as close to the tree and the soil interface as possible to obtain the most consistent results. .

Basal Drench

Prior to application, make a 2" deep furrow around the base of the tree near the point of contact between the soil and the tree trunk. Apply the required dose [see Table 1 for rates based on tree size and species]. The diluted mixture of this product may be carefully poured into the furrow around the tree trunk (Figure 1) with a graduated container/jug or with a handheld hose connected to a truck-mounted tank/hydraulic sprayer. After applying, refill the furrow with untreated soil to avoid possible ground runoff.

Soil Injection

The diluted mixture of this product should be injected approximately 3-6 inches deep. Use injection equipment capable of delivery at 60-150 psi. Injection orifices should be oriented to release the diluted product horizontally at the point of injection. The required dose should be divided evenly among injection sites spaced as uniformly as possible around the tree trunk. The injection sites should be positioned to release the this product diluted mixture as close as possible to the point of contact between the soil and the tree beneath the soil so that the active ingredient may be readily absorbed by the tree (Figure 2). Injection sites should also be located next to buttress roots (Figure 2). For trees less than 6 inches DBH, use at least 4 evenly spaced injection sites per tree.

APPLICATION TIMING

Applications can be made throughout the year, weather permitting, except when the soil is frozen or saturated with water. Note: this product is absorbed by plant roots and translocated to the growing tissues in response to evaporative water loss (transpiration). If applications are made after fall leaf drop, uptake of this product will not occur until development of new leaves in the spring and resumption of evaporative water loss.

MIXING PROCEDURES

Refer to Table 1. When mixing large amounts of this product, use a suspension aid to improve suspension of the diluted mixture at a rate of approximately ½ pint to 2 pints per 100 gallons. To re-suspend a solution that has settled, use 1 to 2 pints of a suspension aid per 100 gallons. Follow all label directions and precautions on the product label of the suspension aid.

If applying mixture to compacted soils, high clay content soils, or other hard-to-wet soils, use a nonionic, organosilicone wetting agent (surfactant) to increase penetration of the soil. Mix approximately ½ ounce surfactant per 3 gallons or 1 pint surfactant per 100 gallons. Follow all label directions and precautions on the product label.

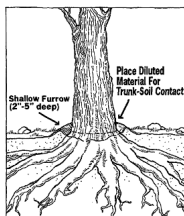


Figure 1. Placement of this product as a basal drench



Figure 2. Placement of this product as a soil injected treatment

Table 1: Amount of this product and Minimum Water Required for Specific Trees and Tree Sizes

DBH (in.)	Tree Species Group (See Table 2)											
	Group A		Group B		Group C		Group D		Group E		Group F	
	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)
4	17	500	33	667	42	833	46	917	50	1,000	67	1,333
5	20	625	42	833	52	1,042	57	1,146	63	1,250	83	1,667
6	25	750	50	1,000	63	1,250	69	1,375	75	1,500	100	2,000
7	44	875	58	1,167	73	1,458	80	1,604	88	1,750	117	2,333
8	50	1,000	67	1,333	83	1,667	92	1,833	100	2,000	133	2,667
9	56	1,125	75	1,500	94	1,875	103	2,063	113	2,250	150	3,000
10	63	1,250	83	1,667	104	2,083	115	2,292	125	2,500	167	3,333
11	69	1,375	92	1,833	115	2,292	126	2,521	138	2,750	183	3,667
12	75	1,500	100	2,000	125	2,500	138	2,750	150	3,000	200	4,000
13	81	1,625	108	2,167	135	2,708	149	2,979	163	3,250	217	4,333
14	88	1,750	117	2,333	146	2,917	160	3,208	175	3,500	233	4,667
15	94	1,875	125	2,500	156	3,125	172	3,438	188	3,750	250	5,000
16	100	2,000	133	2,667	167	3,333	183	3,667	200	4,000	267	5,333
17	106	2,125	142	2,833	177	3,542	195	3,896	213	4,250	283	5,667
18	113	2,250	150	3,000	188	3,750	206	4,125	225	4,500	300	6,000
19	119	2,375	158	3,167	198	3,958	218	4,354	238	4,750	317	6,333
20	125	2,500	167	3,333	208	4,167	229	4,583	250	5,000	333	6,667
21	131	2,625	175	3,500	219	4,375	241	4,813	263	5,250	350	7,000
22	138	2,750	183	3,667	229	4,583	252	5,042	275	5,500	367	7,333
23	144	2,875	192	3,833	240	4,792	264	5,271	288	5,750	383	7,667
24	150	3,000	200	4,000	250	5,000	275	5,500	300	6,000	400	8,000
25	156	3,125	208	4,167	260	5,208	287	5,729	313	6,250	417	8,333

(continued)

DBH (in.)	Tree Species Group (See Table 2)											
	Group A		Group B		Group C		Group D		Group E		Group F	
	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)	This product (ml)	Water* (ml)
26	163	3,250	217	4,333	271	5,417	298	5,958	325	6,500	433	8,667
27	169	3,375	225	4,500	281	5,625	309	6,188	338	6,750	450	9,000
28	175	3,500	233	4,667	292	5,833	321	6,417	350	7,000	467	9,333
29	181	3,625	242	4,833	302	6,042	332	6,646	363	7,250	483	9,667
30	188	3,750	250	5,000	313	6,250	344	6,875	375	7,500	500	10,000
31	194	3,875	258	5,167	323	6,458	355	7,104	388	7,750	517	10,333
32	200	4,000	267	5,333	333	6,667	367	7,333	400	8,000	533	10,667
33	206	4,125	275	5,500	344	6,875	378	7,563	413	8,250	550	11,000
34	213	4,250	283	5,667	354	7,083	390	7,792	425	8,500	567	11,333
35	219	4,375	292	5,833	365	7,292	401	8,021	438	8,750	583	11,667
36	225	4,500	300	6,000	375	7,500	413	8,250	450	9,000	600	12,000
37	231	4,625	308	6,167	385	7,708	424	8,479	463	9,250	617	12,333
38	238	4,750	317	6,333	396	7,917	435	8,708	475	9,500	633	12,667
39	244	4,875	325	6,500	406	8,125	447	8,938	488	9,750	650	13,000
40	250	5,000	333	6,667	417	8,333	458	9,167	500	10,000	667	13,333
41	256	5,125	342	6,833	427	8,542	470	9,396	513	10,250	683	13,667
42	263	5,250	350	7,000	438	8,750	481	9,625	525	10,500	700	14,000
43	269	5,375	358	7,167	448	8,958	493	9,854	538	10,750	717	14,333
44	275	5,500	367	7,333	458	9,167	504	10,083	550	11,000	733	14,667
45	281	5,625	375	7,500	469	9,375	516	10,313	563	11,250	750	15,000
46	288	5,750	383	7,667	479	9,583	527	10,542	575	11,500	767	15,333
47	294	5,875	392	7,833	490	9,792	539	10,771	588	11,750	783	15,667
48	300	6,000	400	8,000	500	10,000	550	11,000	600	12,000	800	16,000
49	306	6,125	408	8,167	510	10,208	562	11,229	613	12,250	817	16,333
50	313	6,250	417	8,333	521	10,417	573	11,458	625	12,500	833	16,667

*More water may be used than indicated on the table to deliver the desired rate of product. **DO NOT** use less water as distribution of the chemical in the tree can be compromised.

Table 2: Tree Species for Each Group Corresponding to Application Rates in Table 1.

Group A	Group B	Group C	Group D	Group E	Group F
Australian pine (NOT Austrian Pine)	Basswood	Australian bottle*	Ailanthus	Anaqua*	Alder
Dogwood	Cypress	Black gum	Buckeye	Baytree	Alder Arborvitae
Sweetgum (eastern US)	Elm - small ($<10"$ DBH)	Box elder	Ironwood	Beech	Ash - All Species
Redbud	Elm - Siberian	California pepper*	Silver maple - large ($>10"$ DBH)	Camphor	Aspen**
	Linden - all varieties	Elm - large ($>10"$ DBH)		Cedar - Deodara	Banyan*
	Mountain ash	Horse chestnut		Chinaberry	Birch - All Species
	Norway maple - small ($<10"$ DBH)	Live oak - small ($<10"$ DBH)		Catalpa	Black olive
	Red maple - small ($<10"$ DBH)	Norway maple - large ($>10"$ DBH)		Ebony - Texas*	Bradford pear
	Sugar maple - small ($<10"$ DBH)	Oleander*		Hickory	Cedar - All others (except Deodara)
	Sweetgum (western US)	Persimmon*		Holly - American	Cherry - black
	Tupelo	Red maple - large ($>10"$ DBH)		Locust - Honey	Cottonwood**
		Rosewood		Mesquite*	Crabapple
		Silver maple - small ($<10"$ DBH)		Mimosa*	Eucalyptus
		Sugar maple - large ($>10"$ DBH)		Oak - Black	Fir
				Oak - Live - large ($>10"$ DBH)	Hackberry
				Oak - Pin	Hawthorne
				Oak - Post	Hemlock
				Oak - Red	Jackaranda
				Oak - Sandshinnery	Juniper
				Oak - Water	Laurel
				Oak - Willow	Locust - Black
				Olive - Russian	Magnolia
				Paloverde*	Melaleuca*
				Paulownia	Mugo Pine
				Pecan*	Mulberry
				Raintree*	Oak - Laurel
				Saltcedar*	Oak - valley
				Sassafras	Osage orange
				Soapberry*	Palms*
				Sumac - African*	Pear - Bradford
				Walnut	Photinia
					Pines - All Species**
					Poplar - Lombardy,
					Tulip, Yellow*
					Redwood
					Spruce - All Species
					Sugarberry
					Sycamore**
					Tallow - Chinese
					Waxmyrtle -Pacific
					Tallowwood*
					Tamarisk*
					Willow
					Yew

* These trees may exhibit variable results.

**These trees have a limited response to this product and may need multiple consecutive years of treatment for acceptable growth control.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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 $\frac{1}{4}$ 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 puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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.

WARRANTY STATEMENT

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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, IT IS **CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CONTROL SOLUTIONS, INC., AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law, Control Solutions, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Control Solutions, Inc.

PAC-LOW SC

ACTIVE INGREDIENT:

Paclobutrazol ($\pm$)-(R*, R*)-beta-
[[4-(chlorophenyl) methyl]-alpha-
(1,1-dimethylethyl)- 1H-1,2,4-triazole-1-ethanol]..... 22.9%

OTHER INGREDIENTS: 77.1%

TOTAL: 100.0%

Contains 2 lbs. of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you **DO NOT** understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by the poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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 by cleaning of equipment or disposal of equipment washwaters or rinseate.

PHYSICAL OR CHEMICAL HAZARDS: DO NOT use or store near heat or open flame. **DO NOT** mix or allow coming in contact with oxidizing agents, hazardous chemical reaction may occur.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling. **FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL. 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.

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See side panel(s) for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

EPA Reg. No. 53883-519

EPA Est. No. 53883-TX-002

NET CONTENTS: 1 GALLON

Manufactured for:

Control Solutions Inc.

5903 Genoa-Red Bluff, Pasadena, TX 77507

EPA 061522