



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO.

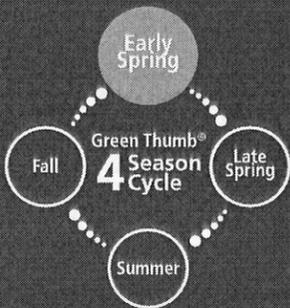


Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2011-2013 LIC. NO.

128391



8054.59

GreenThumb®

For thick, green,
crabgrass free lawns



Early Spring

Crabgrass Preventer + LAWN FERTILIZER

Controlled Release Nitrogen provides for extended feeding

Crabgrass Preventer + LAWN FERTILIZER 27-0-5

Covers up to 5,000 square feet

NET WT 16 LBS (7.26 kg)

27-0-5

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See back panel for additional precautions.

ACTIVE INGREDIENTS:	
Benfluralin, CAS No. 1861-40-1	0.77%
Trifluralin, CAS No. 1582-09-8	0.38%
INERT INGREDIENTS:	98.85%
TOTAL	100.00%
EPA Reg. No. 9198-79	EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

(Underlined letter is first letter of run code on bag.)



Crabgrass Preventer + LAWN FERTILIZER 27-0-5

Early Spring

GreenThumb®

JUL 15 2011



Early Spring

Crabgrass Preventer + LAWN FERTILIZER

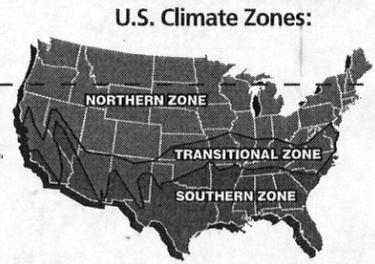
27-0-5



4 Season Cycle

Fertilizer Application Guide

TURF VARIETIES BY ZONE:
 ■ Bluegrass, Ryegrass, Fine & Tall Fescues
 ■ Bluegrass, Ryegrass, Fine & Tall Fescues, Bermudagrass, Zoysiagrass
 ■ Bermudagrass, Zoysiagrass, Centipedegrass, Bahiagrass, St. Augustine
 Abnormal climatic conditions can affect appropriate timing.



Turf Zone & Variety	February	March	April	May	June	July	August	September	October	November	December
NORTHERN ZONE Cool Season Grasses		27-0-5 Crabgrass Preventer	29-0-3 Weed & Feed		30-0-3 Lawn Fertilizer	25-0-5 Fertilizer + Insect Control		24-0-12 Winterizer			
TRANSITIONAL ZONE		27-0-5 Crabgrass Preventer	29-0-3 Weed & Feed		30-0-3 Lawn Fertilizer	25-0-5 Fertilizer + Insect Control		24-0-12 Winterizer			
SOUTHERN ZONE Warm Season Grasses	27-0-5 Crabgrass Preventer		29-0-3 Weed & Feed		30-0-3 Lawn Fertilizer	25-0-5 Fertilizer + Insect Control		24-0-12 Winterizer			

Early Spring

Crabgrass Preventer + LAWN FERTILIZER
27-0-5

Late Spring

Weed & Feed LAWN FERTILIZER
29-0-3

Summer

Insect Control + LAWN FERTILIZER
25-0-5

Fall

Winterizer LAWN FERTILIZER
24-0-12

Four Seasons

Lawn Fertilizer
30-0-3

GUARANTEED ANALYSIS

Total Nitrogen (N)	27.00%
27.00% Urea Nitrogen*	
Soluble Potash (K ₂ O)	5.00%
Plant nutrients derived from urea, potassium chloride, and polymer coated sulfur coated urea.	
*6.75% Slowly available nitrogen from polymer coated sulfur coated urea	

F483
 Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>.

A lawn will typically utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing 0.86 pounds of nitrogen per 1,000 square feet and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

PRECAUTIONARY STATEMENTS

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 by a poison control center or doctor.
- 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 15 minutes, then continue rinsing.
 - Call a poison control center or doctor for treatment advice.
- 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 mouth-to-mouth, if possible.
 - Call a poison control center or doctor for further treatment advice.

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

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning: Causes substantial but temporary eye irritation. Harmful if swallowed or absorbed through skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash clothing before reuse.

- **Personal Protective Equipment (PPE):** Wear goggles or face shield.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply in a manner which will directly expose canals, lakes, streams, ponds, marshes or estuaries to aerial drift. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run-off to water bodies or drainage systems.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.
Pesticide Storage: Keep container closed and away from food, feedstuffs and domestic water supplies. **DISPOSAL:** If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

GENERAL INFORMATION

This product has a preemergence herbicide which is applied to established turfgrasses for the control of annual bluegrass (*Poa annua*), smooth and hairy crabgrass, goosegrass, silver crabgrass or crowfoot, barnyardgrass (watergrass), and green and yellow foxtail. This product controls these annual weeds by killing their seeds as they germinate. Apply before these annual weeds begin to germinate since it does not control established weeds. When applied as directed, the following established turfgrasses are tolerant: Kentucky Bluegrass, Fescue, St. Augustinegrass, Centipedegrass, Perennial Ryegrass, Zoysiagrass, Bahiagrass, Bermudagrass.

RESEEDING

Chemicals that effectively control annual weed seeds may also affect new desirable turfgrass seedlings. Reseeding should be delayed for at least 6 weeks after applying. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using this product, the amount of seed used should be increased and equipment designed to place seed in contact with the soil (such as the Rogers Aero Seeder) should be employed. When using this product at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

APPLICATION EQUIPMENT

Apply evenly over the turfgrass area without skips or misses. A more uniform application can be made with broadcast (rotary) type spreaders by spreading half the required amount over the area and then applying the remaining half at right angles. Both drop type and rotary type spreaders may be used. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly.

GENERAL PRECAUTIONS AND RESTRICTIONS

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Apply to the turf prior to the germination of weed grasses since this product will not control established weeds. This product may thin established annual bluegrass (*Poa annua*) turfs and fine-leaved fescues at rates above 1.72 pounds per 1,000 sq. ft. This product should not be applied in the spring to turfgrasses planted the previous fall. In bermudagrass areas that have been overseeded with winter grasses, a spring application may thin the overseeded grasses. Because of varying cultural practices, this product should not be used on putting greens. Do not use on dichondra. This product should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass or Centipedegrass until these turfs are well established.

Entry Restrictions: Do not allow people or pets to enter the treated area until dusts have settled. If watering-in is required after the application, do not enter or allow other people (or pets) to enter the treated areas (except those involved in the watering-in) until the watering-in is complete and the surface is dry.

Application Restrictions: Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

APPLICATION INSTRUCTIONS

Rates, Frequency and Timing of Application: Successful preemergence control of the annual grass weeds listed on this label requires proper timing of application. Apply approximately 1 to 2 weeks prior to the germination of annual grass weeds. All summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grass weeds listed on this label, weed control results may be erratic or poor. Optimum weed control performance will be obtained if treated areas are irrigated soon after application. Any cultural practices that disturb the soil, such as aeration or verticutting, should be done prior to application.

Spring germinating summer annual grasses - crabgrass, foxtails and barnyardgrass.

Northern (cool season) turfgrasses: For preemergence control, apply 3 to 4 lbs. per 1,000 sq. ft. in the spring 1 to 2 weeks prior to the onset of conditions favorable for annual weed grass seed germination. **Southern (warm season) turfgrasses:** For preemergence control, apply 4 to 6 lbs. per 1,000 sq. ft. in the late winter or early spring one to two weeks prior to the onset of conditions favorable for annual weed grass seed germination. In areas of the United States where germination of the annual weed grass species continues for extended periods of time, a second application of this product from one half to the full recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

Late spring, early summer germinating annual grasses - goosegrass: Although classified as a summer annual grass, goosegrass normally germinates 4 to 6 weeks later than crabgrass, foxtails and other summer annual grass species. Applications should, therefore, be timed accordingly. **Northern (cool season) turfgrass:** For preemergence control, apply 4 lbs. per 1,000 sq. ft. in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass. **Southern (warm season) turfgrasses:** For preemergence control, apply 4 to 6 lbs. per 1,000 sq. ft. in the late spring or early summer one to two weeks prior to the expected germination of goosegrass.

Northern and Southern turfgrasses: In areas of the United States where preemergence control of both early germinating annual grasses (crabgrass, foxtails and barnyardgrass) and the later germinating goosegrass is desired, two applications from one half to the full recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

Poa annua (annual bluegrass): In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass areas. Irrigation and soil-incorporated reseeding will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by annual bluegrass. **Northern (cool season) turfgrasses:** For preemergence control, apply 4 pounds per thousand square feet in late summer or early fall and again in late winter or spring 1 to 2 weeks prior to the expected germination of annual bluegrass. **Southern (warm season) turfgrasses:** For preemergence control, apply 6 pounds per thousand sq. ft. in the late summer or early fall one to two weeks prior to the expected germination of annual bluegrass. In southern areas of the United States

where germination of annual bluegrass continues for extended periods of time, a second application from 3 to 6 pounds per thousand sq. ft. can be made 10 to 12 weeks after the initial treatment.

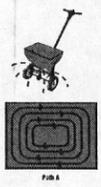
SUGGESTED SPREADER SETTINGS

Note: It is important to follow the directions on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. Do not hand spread.

BROADCAST SPREADER SETTINGS

For best results, apply in a circular path starting on the outside and working toward the center (see Path A). A little overlap of product will ensure complete coverage.

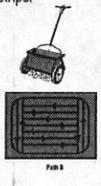
	3.2# Rate	4.0# Rate
Agri-Fab: 100.....	4 1/2	5
Earthway: 1950, 2000A, 2000AP, 2030.....	13	15
GreenThumb: GT2030, GT2170, GT2030 P-PLUS.....	13	15
Precision: SB4300.....	4 1/2	5
Red Devil: SB4300.....	4 1/2	5
Republic: EZ 540/75450.....	4 1/2	5
Scotts: Deluxe, EdgeGuard, LawnPro, SG3000, Standard.....	5	5 1/2
Scotts: EG3.....	28	29



DROP SPREADER SETTINGS

First apply 2 border strips along the edge of each end of the lawn (see Path B). Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

	3.2# Rate	4.0# Rate
Earthway: 7350, 7350SU.....	15	17
GreenThumb: 7350SU.....	15	17
Precision: DS1000.....	9	10 1/2
Red Devil: DS1000.....	9	10 1/2
Republic: EZ 530/75350.....	7 1/2	8 1/2
Scotts: AG3000.....	7	8



IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION OF LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE JURISDICTION TO STATE JURISDICTION.

Manufactured by:
 Free Flow Fertilizer
 P. O. Box 119
 Maumee, OH 43537
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GTH276T16B

