

ELANCO

HERBICIDE

Herbicide

Balan®

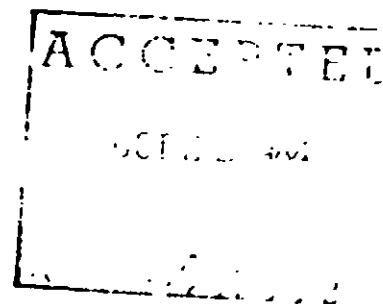
XL

Net Weight **50** Pounds

Balan XL Granular is a selective preemergence herbicide ~~being evaluated~~ for the control of crabgrass and most other annual weed grasses on lawns and golf courses in established:

Bahiagrass
Bermudagrass
Centipedegrass

St. Augustinegrass
Zoysiagrass



Active Ingredients

A-butyl-1-ethyl-4,4-trifluoro-2,6-dinitro-1,4-benzene
oryzalin 3,5-dinitro-1,1,1-dipropylsulfanilamide

10%

10%

Inert Ingredients

98.0%

Contains 1 pound active ingredient per 50 pound bag

Balan® XL the registered trademark for Elanco Products Company
benefin plus oryzalin

Keep Out of Reach of Children.

CAUTION

Human: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. In case of contact, flush with water.

Environmental: This product is toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Directions for Use: Read All Directions Carefully Before Applying

It is a violation of Federal law to use this product in a manner inconsistent with the label.

Balan[®] XL Granular is a preemergence herbicide which is applied to established warm season turfgrasses for the control of annual bluegrass, other annual summer and early crabgrass, goosegrass, foxtails, crabgrass, barnyardgrass, watergrass, and other annual weeds. **Balan XL Granular** controls these annual weeds by killing their seeds as they germinate. Apply **Balan XL** before these annual weeds begin to germinate since it does not control established weeds.

When **Balan XL** is applied as directed, the following established turfgrasses are tolerant:

Bahiagrass	St. Augustinegrass
Bermudagrass	Zoysiagrass
Centipedegrass	

Balan XL will not harm most nearby established ornamental trees and shrubs.

Application Directions

Rate, Frequency and Timing of Application

Successful preemergence control of the annual grass weeds listed on this label requires proper timing of application.

Apply **Balan XL Granular** 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 verticuring, should be done prior to application of **Balan XL**.

1 Spring germinating summer annual grasses—crabgrasses, foxtails and barnyardgrass

A Southern (warm season) turfgrasses

For preemergence control, apply 100 to 150 pounds (2 to 3 pounds active ingredient) of **Balan XL Granular** per acre in the late winter or early spring 1 to 2 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 **Balan XL Granular** at the recommended rate may be made 8 to 10 weeks after initial treatment for continued control.

2 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 of **Balan XL** should therefore be timed accordingly.

A Southern (warm season) turfgrasses

For preemergence control, apply 100 to 150 pounds (2 to 3 pounds active ingredient) of **Balan XL Granular** per acre in the late spring or early summer 1 to 2 weeks prior to the expected germination of goosegrass.

3 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, 2 applications of **Balan XL Granular** at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

4 Post annual (annual bluegrass)

In areas of heavy infestation of annual bluegrass, its elimination will temporarily result in thin turfgrass areas. Proper fertilization, irrigation and soil incorporated reseeded will encourage existing desirable turfgrasses and newly planted seedling turfgrasses to fill in these thin areas previously occupied by annual bluegrass.

A Southern (warm season) turfgrasses

For preemergence control, apply 150 pounds (3 pounds active ingredient) **Balan XL Granular** per acre in the late summer or early fall 1 to 2 weeks prior to the expected germination of annual bluegrass. In areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application of **Balan XL Granular** at 150 pounds per acre can be made 10 to 12 weeks after the initial treatment.

For application to smaller areas, apply the following amounts of **Balan XL Granular**:

<u>Balan XL per acre</u>	<u>Balan XL per 1000 sq ft</u>
100 pounds	2½ pounds
150 pounds	3½ pounds

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 **Balan XL**. When reseeding, it is essential that proper cultural practices such as soil cultivation, irrigation and fertilization be followed. For satisfactory reseeding results after using **Balan XL**, 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 **Balan XL** at the highest recommended rate, reseeding should be delayed 12 to 16 weeks after application.

Application Equipment

Apply **Balan XL Granular** evenly over the turfgrass area without skips or misses. A more uniform application can be made 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. For best results use equipment designed to apply granular herbicides and insecticides. Calibrate applicators prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

Helpful Application Techniques For Applying **Balan XL**

- When using a drop type spreader, a splash board mounted under the hopper will help dispense granules more evenly. A chain fastened to the side of your spreader will leave a marked or scuffed turf area to follow and help prevent missed areas.
- When using tractor mounted or pull type rotary applicators to apply **Balan XL**, it is suggested that a seed application ring and a lime shield be used to control distribution of granules. Early morning applications when the wind is calm and dew is on the ground are ideal. Wheel tracks are easy to follow and granules can be spread uniformly.
- Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm are ideal.

Precautions

Apply **Balan XL Granular** to the turf prior to the germination of weed grasses since **Balan XL** will not control established weeds. **Balan XL Granular** may thin established annual bluegrass (Poa) annual turfs and fine leaved turfs at rates above 100 pounds per acre (2 pounds active ingredient). **Balan XL Granular** should not be applied in the spring to turfgrass planted the previous fall. In bermudagrass areas that have been overseeded with winter grasses, a spring application of **Balan XL** may thin the overseeded grasses. **Balan XL Granular** should not be used on dichondra. **Balan XL Granular** should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass or centipedegrass until these turfs are well established.

The manufacturer makes no warranties, express or implied, concerning this product or its use which extend beyond the description on the label. All statements made concerning this product apply only when used as directed.

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