33-0-12

BARRICADE® 28

230SGN

NET WEIGHT 50 LBS. (22.7 KG.)
COVERS 12,500 Sq. Ft.

Guaranteed Analysis

Total Nitrogen (N) 33%
33.00% Urea Nitrogen
Soluble Potash (K_2O)... . . . . 12%
Derived From: Polymer-Encapsulated Urea and Potassium Chloride.
*33.00% Slowly Available Nitrogen From: Polymer-Encapsulated urea.
Chlorine (Cl), not more than 12%

Also Contains Gro-Gard™ to enhance root growth and general plant health.

Active Ingredient: GABA (gamma aminobutyric acid) 0.052%
Inert Ingredients: 0.260%
TOTAL: 0.312%

Active Ingredients

Prodiamine[N3, N3-Din-propyl-2,4-dinitro-6(trifluoromethyl)-m-phenylenediamine] 0.28%
INERT INGREDIENTS 99.72%
TOTAL 100.00%

EPA Reg. No. 8378-39 EPA Est. No. 8378-IN –1

POUNDS OF NUTRIENT/M SQ. FT.

Lbs. Per Acre	Lbs. Per 1,000 Sq. Ft.	A.I. Acre	N	P	K
174	4.00	0.50	1.32	0.00	0.48

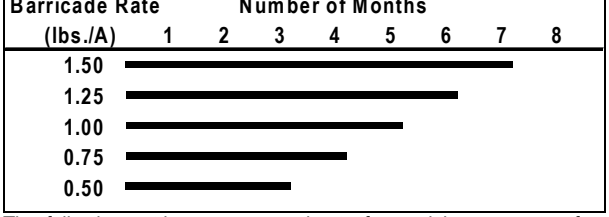
NOTE: These rates are for a double application program to achieve recommended rates. Do not apply more than 268 lbs. of product per application or more than 534 lbs. per calendar year.

General Information

Shaw's 33-0-12 with Barricade® 28 is a premium grade pre-emergent herbicide and turf food combination. This product is formulated for the demanding turf professional that wants season long control with one application of annual grasses and many common weeds depending on use rate. This product contains 100% of nitrogen from Polymer-Encapsulated Urea (SurfCote-4). SurfCote-4 is a new controlled release technology that delivers a more uniform and predictable release of nutrient for a period of up to 120 days. For Extended Release Technology, trust in SurfCote-4 to deliver the lasting performance you demand. This product also contains Gro-Gard, a proprietary blend of two bio-active amino acids and co-factors; it activates key amino acids that help regulate nutrient movement between plant cells. And with greater nutrient availability, plants can achieve their full genetic potential for growth and vigor. Gro-Gard protects your turf, optimizes nutrient uptake and movement within plants, and enhances overall plant health. Barricade® 28 offers the turf professional these unique features vs. the other "DNA" type pre-emergents

*Almost Zero Staining Potential.
*Low Levels of Active Ingredient Reduce Environmental Loading.
*Ability to Vary Length of Control with Rate.
*Low Product Solubility so Barricade Stays in Place.

Average Length of Control of Crabgrass



The following settings are approximate for applying contents of this package. Settings are based on average walking speed. Reduce settings for slower speed and increase for higher speed. Check your spreader on 250 sq. ft. and adjust to apply ¼ of 1,000 sq. ft. rate. **PLEASE NOTE**: These settings are furnished as a starting guide only.

RATES ARE FOR POUNDS PER 1,000 SQ. FT.

Spreader Settings	4.00 lbs.
Scott's Evergreen 18"	9-10
Scott's Speedy Broadcast	L-M
Earthway Broadcast	20-21
Earthway Drop 18"	13-14
Lesco	L-M

Application Instructions

Apply uniformly through suitable, calibrated commercial application equipment. **ESTABLISHED TURF:** This product is a selective pre-emergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established grass turf. The species of turf grass determines the maximum amount of material that may be applied during a year. Most effective weed control in turf grasses will be obtained when this product is activated by at least ½ inch of rainfall or irrigation within 14 days after application and prior to weed germination.

IMPORTANT: Read the entire directions for Use and Conditions of Sale before using this product. **FOLLOW DIRECTIONS CAREFULLY.**

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SurfCote-4 ™ is a registered trademark of KMB Technologies, Inc.

Product # 5112999