



Known Worldwide
 For Being Simply
 the **Best...**
Natural Fertilizers
& Soil Builders

Description:

Bio Grounds Keeper PreMixed Plus is an all natural thatch reduction and management product.

Bio Grounds Keeper PreMixed is used for the biological control, reduction and maintenance of turfgrass thatch. BGK products are university tested and proven effective in reducing thatch and enhancing disease suppression on turfgrass. BGK works by introducing aerobic carbon decomposing microbes and humic acid into the soil/thatch interface. The aerobic microbes supplied by BGK assist the existing soil microbes to accelerate the break down of the dead roots, lawn clippings, stolons, and rhizomes that make up thatch

Application Information: *Bio Grounds Keeper Premixed should be used three times a year in the first year or until the thatch level is reduced to one inch or less. After the first year and the thatch level has been reduced to one inch or less, a twice a year program is acceptable to maintain a healthy 1/4 to 1/2 inch thatch level. Where thatch level exceeds one inch, use of core aeration will assist in proper product placement to enhance decomposition.*

BIO GROUNDS KEEPER®

LIQUID NATURAL THATCH REDUCER & MANAGER

PreMixed Plus

Benefits of Thatch Decomposition:

- Promotes root growth into the soil
- Reduced plant stress under drought conditions
- Improves disease and insect management
- Reduces irrigation, pesticide and fertilizer requirements
- Ideal for application during core aerifying and verti-cutting
- Opens soil to breathing for improved biological activity
- Improved root penetration
- Thatch management is key to all integrated pest management programs

Guaranteed Analysis

Soluble Potash (K₂O)2%
 Iron (Fe).....0.14%

Derived from aerobically composted turkey litter, hydrolyzed feather meal, and Leonardite.

*2.8% slow release urea nitrogen from coated urea.

Non-Plant Food Ingredients

6.000% Humic Acid
 (Derived from Sustane® and Leonardite)
 1.5000% Soluble Carbohydrates
 (Derived from molasses)

Active Ingredients (w/w)

0.025% Bacterial Cultures
 (Total)..... 6.75 x 10⁹ CFU/g
 Aerobic heterotrophs..... 5.90 x 10⁹ CFU/g
 Bacillus subtilis..... 2.22 x 10⁶ CFU/g
 Bacillus licheniformis 2.46 x 10⁵ CFU/g
 Pseudomonas 8.50 x 10⁸ CFU/g

BIO GROUNDS KEEPER

PreMixed Plus

Application

Spray, foliar apply, soil drench or irrigate on Golf Courses, Sport Fields, Lawns, Parks and other intensively managed turfgrass systems.

For use on warm and cool season turfgrasses. Mix with water only that amount needed for a single application. Ambient daytime air temperature range for optimal product efficacy is 55°-95° F. (12°-35° C.)

Irrigate after application.

Application Rates

SHAKE CONTAINER BEFORE MIXING

4oz. per 1,000 sq. ft.

Mix 4 oz. Bio Grounds Keeper with 1-2 gallons of water to treat 1,000 sq. ft.; or 1.4 gallons with 40-50 gallons of water to treat one acre

130 ml. per 1000 sq. meters

Mix 130 ml. Bio Grounds Keeper with 4-8 liters. of water to per 100 sq. meters; or 12.72 liters with 375-750 liters water to treat one hectare.

Application Frequencies

For heavy thatch, make initial 3-5 applications once every 14 days, with subsequent applications once every 28 days as needed when air temperatures average or exceed 55° F (12° C) Continue applications for thatch control as needed.

One-time application provides 120 million CFU of bacteria per 10 sq. ft. (129 million CFU per sq. m.) when applied at recommended rate.

Recommended to be uses in conjunction with a good (dry granular) compost-based organic fertilizer program to enhance colonization of thatch decomposing bacteria and enhance microbial diversity.

Suggested Treatment Schedule

1st year of program or when thatch exceeds 1 inch			When thatch is less than 1 inch		
Cool Season Grasses					
	Month	Rate		Month	Rate
1st application	Apr./May	4oz./1000 sq. ft.	1st application	Apr./May	4oz./1000 sq. ft.
2nd application	May/June	4oz./1000 sq. ft.			
3rd application	Sept./Oct.	4oz./1000 sq. ft.	2nd application	Sept./Oct.	4oz./1000 sq. ft.
Transitional Grasses					
	Month	Rate		Month	Rate
1st application	March/Apr.	4oz./1000 sq. ft.	1st application	March/Apr.	4oz./1000 sq. ft.
2nd application	April/May	4oz./1000 sq. ft.			
3rd application	Oct./Nov.	4oz./1000 sq. ft.	2nd application	October	4oz./1000 sq. ft.
Warm Season Grasses					
	Month	Rate		Month	Rate
1st application	Feb./Mar	4oz./1000 sq. ft.	1st application	Feb./Mar	4oz./1000 sq. ft.
2nd application	Oct./Nov.	4oz./1000 sq. ft.			
3rd application	Nov./Dec	4oz./1000 sq. ft.	2nd application	Nov./Dec	4oz./1000 sq. ft.

One gallon of Bio Grounds Keeper Premixed treats 30,000 square feet.

General Directions:

Always act in accordance with local, state, and federal regulations.

Store product out of direct sunlight in a cool and dry place. Store at temperatures between 45°-100° F. (7°-38° C.) Firmly reseal container after use.

Keep away from pets and children. Product may be harmful if inhaled or swallowed, may cause irritation to eyes or skin.

FIRST AID: Skin or eye contact-flush with water. If ingested, drink water and call a physician.



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