

PAR4® 27-2-2: Natural-based fertilizer

Containing animal proteins, natural potassium sulfate and urea, this blended product brings together the best of both worlds: natural ingredients to promote soil and plant health and synthetic nitrogen for fast green up of turfgrass.



PREMIUM PRODUCT

PAR4® 27-2-2 combines the natural ingredients used in other PAR4 products: feather and bone meals and natural potassium sulfate with slow-release urea. The nitrogen from feather meal is naturally slow-release and contains amino acids which produce proteins that are the building blocks for cell structure. The P from bone meal is available to soil microbes and promotes root growth. The calcium naturally occurring in bone meal is an additional benefit.

The urea blended into this natural-based fertilizer contains a urease inhibitor (NBPT) and a nitrification inhibitor (dicyandiamide). This urea provides nitrogen over 6-8 weeks while reducing nitrogen loss due to leaching and volatilization.

ENVIRONMENTALLY FRIENDLY

A low-phosphate fertilizer, PAR4® 27-2-2 is gentle on the environment and is manufactured to our preferred specifications by an Audubon International's Cooperative Sanctuary System (ACSS) certified plant.

EASY TO APPLY

PAR4® 27-2-2 is a blended fertilizer that is nearly dust free and can be applied using conventional fertilizer equipment. At 230 SGN, PAR4® 27-2-2 is an efficient, cost-effective fertilizer for use on golf course fairways, landscape and lawn care applications.

Always perform a soil test before applying any fertilizer product.

FLEXIBLE PACKAGING AND PERSONALIZED SERVICE

PAR4® 27-2-2 is packaged in bulk bags and 50lb bags, available in truckloads delivered or pallet quantities from our Portland, OR warehouse. With our personalized service, you can be assured that PAR4® 27-2-2 gets to you when you need it.



BENEFITS:

- Promotes soil & plant health
- Time-released nitrogen
- Fast, sustained green color
- Naturally slow-release
- Contains no manure or compost
- Can be applied using conventional fertilizer equipment

OTHER PRODUCTS:

- PAR4® 13-2-7 natural-based fertilizer with methylene urea
- PAR4® 13-0-0 granulated natural nitrogen fertilizer
- PAR4® 9-3-7 granulated natural fertilizer
- PAR4® 6-2-5 granulated natural-based fertilizer with moss control
- PAR4® 5-5-5 granulated starter fertilizer
- PAR4® 2-14-0 granulated bone meal
- CALPHOS™ soft rock phosphate
- CAL-SUL® pelletized gypsum
- PEL-LIME® pelletized calcitic & dolomitic lime

Distributed by:



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See back for more information.

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Guaranteed Analysis:

Total Nitrogen (N)	27.0%
0.05% Ammoniacal Nitrogen	
23.0% Urea Nitrogen	
3.30% Water Insoluble Nitrogen	
0.65% Other Water Soluble Nitrogen	

Available Phosphate (P ₂ O ₅)	2.0%
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Soluble Potash (K ₂ O)	2.0%
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Derived from urea, blood meal, meat and bone meal, and potassium sulfate.

Suggested Application Rates

Established Turfgrass: Apply 1.85 to 3.7 lbs. per 1,000 sq. ft. (0.5 to 1 lb. of actual nitrogen per 1,000 sq. ft.). Three to four applications per year are recommended. Suggested for use on turf mowed at heights over 1/2".

Protein- and Manure-Based Fertilizer Comparison

Natural fertilizers are products derived from the remains or by-product of an organism. This includes manure-based products including biosolids and animal-derived materials like feather meal and bone meal. While the origination of the products differ and nutrient ratios are similar, that is where most of the similarities end. The chart below compares the differences of a protein-derived fertilizer (from feather meal and bone meal) and its counterpart, manure-based fertilizers.

	Protein-based fertilizers	Manure-derived fertilizers
Nutrient value	High	Low
Nutrient release	Medium – slow	Medium – fast
Effectiveness rates	Longer	Shorter
Introduction of weed seed or pathogens	Less likely	More likely
Best use	Fertilizer	Soil conditioner
Odor level	Low	High
Quality consistency	Can be controlled	Harder to control
Measuring nutrient content	Easy	Difficult
Temperature changes	Adjusts time-released nutrients	Reduces nutrient content
Application rates	Known	Difficult to determine due to inconsistent nutrient content levels

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>. For best results follow a complete fertility program that includes regular soil testing. To learn more about Valley Athletics, please visit our website at www.valleyafs.com.