

# 13-0-0 PAR4<sup>®</sup> Granulated Natural Nitrogen Fertilizer

A practical alternative to the traditional meal form of feather meal, PAR4<sup>®</sup> 13-0-0 is granulated for ease of handling and blending with other fertilizers. PAR4<sup>®</sup> 13-0-0 can be applied using conventional equipment.

## PREMIUM PRODUCT

PAR4<sup>®</sup> 13-0-0 granulated nitrogen fertilizer is a natural source of slow-release nitrogen. PAR4<sup>®</sup> 13-0-0 stimulates soil microbial populations and improves nutrient uptake. The manufacturing process produces a granule that can be applied as is, blended with other fertilizers and mixed into compost or soil mixes.

## ENVIRONMENTALLY FRIENDLY

PAR4<sup>®</sup> 13-0-0 is recognized as a safe alternative to synthetic, man-made nitrogen fertilizers. PAR4<sup>®</sup> 13-0-0 is acceptable for use in organic growing, gardening and sustainable farming. And because PAR4<sup>®</sup> 13-0-0 is naturally slow release, the environmental impact on ground water is minimal.

## EASY TO APPLY

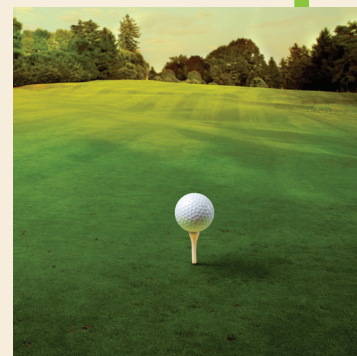
PAR4<sup>®</sup> 13-0-0 granulated nitrogen fertilizer can be applied as is or blended with other fertilizers and applied through conventional fertilizer spreaders. Ideal for use on golf courses, vineyards, orchards and nurseries, PAR4<sup>®</sup> 13-0-0 is an excellent natural nitrogen source in compost and soil mixes.

Always perform a soil test prior to applying any fertilizer product.

## FLEXIBLE PACKAGING AND PERSONALIZED SERVICE

PAR4<sup>®</sup> 13-0-0 granulated nitrogen fertilizer is packaged in 50lb bags and bulk bags. PAR4<sup>®</sup> 13-0-0 is available in truckloads delivered or in pallet quantities from our warehouse in Stockton, CA. With our personalized service, you can be assured that PAR4<sup>®</sup> 13-0-0 gets to you when you need it.

*See back for more information.*



**BRIDGEWELL**  
AGRICULTURE

**Distributed By—Bridgewell Agriculture**  
12420 SE Carpenter Dr. | Clackamas, OR 97015  
877.760.5410 | 503.723.5410 | Fax 503.723.5455  
fertilizersales@bridgewelllab.com | BridgewellAgriculture.com

# 13-0-0 PAR4<sup>®</sup> Granulated Natural Nitrogen Fertilizer

## BENEFITS:

- A natural source of nitrogen
- Granulated for ease of handling, blending and spreading
- Consistently-sized granules
- Can be applied using conventional fertilizer spreaders
- Acceptable for use in organic and sustainable growing



- PAR4<sup>®</sup> 1-0-2 Kelp Meal
- PAR4<sup>®</sup> 2-14-0 Granulated Bone Meal
- PAR4<sup>®</sup> 9-3-1 High Nitrogen Bat Guano
- PAR4<sup>®</sup> 9-3-7 Granulated Multi-Purpose Fertilizer
- PAR4<sup>®</sup> Greensand (Glaucanite)
- PAR4<sup>®</sup> Prilled Calcium Sulfate (Gypsum)
- Archipelago Bat Guano™
- Azomite<sup>®</sup> Trace Mineral
- Calphos™ Soft Rock Phosphate

## PAR4<sup>®</sup> 13-0-0 Guaranteed Analysis

Total Nitrogen (N)	13%
Available Phosphate (P)	0%
Potash (K)	0%
Derived from hydrolyzed feather meal, meat meal and blood meal.	
<b>Suggested Application Rates</b>	
This fertilizer can be blended with other fertilizer ingredients. For best results, formulate 13-0-0 at 50% or greater of the total weight of the blend.	
<b>Established Turfgrass</b>	
Use as a topdressing for greens, tees, roughs and fairways or any established turf. Apply 3.85 - 7.7 lbs per 1,000 sq. ft. (0.5 - 1 lb actual N). Results are enhanced during aeration.	
<b>Established lawns</b>	
Spring application	15 lbs. per 1,000 sq. ft.
Early summer application	10 lbs. per 1,000 sq. ft.
Late summer application	10 lbs. per 1,000 sq. ft.
<b>Vegetable gardens and flower beds</b>	
10 lbs. per 1,000 sq. ft.	

## 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.html>. For best results follow a complete fertility program that includes regular soil testing. To learn more about Bridgewell Agriculture, please visit our website at [www.BridgewellAgriculture.com](http://www.BridgewellAgriculture.com).