

# PAR4® 9-3-7: Protein-Based Multi-Purpose Natural Fertilizer

Manufactured using feather meal, bone meal and potassium sulfate, PAR4® 9-3-7 is a homogeneous, granulated natural fertilizer. Perfect for any turf, ornamental and agricultural application, PAR4® 9-3-7 includes ingredients which have a proven record of efficacy.

## PREMIUM PRODUCT

PAR4® 9-3-7 natural fertilizer is made from feather meal, bone meal and potassium sulfate. Amino acids in feather meal produce proteins which are the building blocks for cell structure. Feather meal releases nitrogen slowly at low temperatures and faster at higher temperatures. Bone meal supplies some nitrogen, acts as the main source of phosphorous and contains calcium, an essential element in soil and plant health. Feather and bone meals contain trace elements and micronutrients that are primarily chelated making them more easily used by plants. Potash and sulfur are derived from mined potassium sulfate.

PAR4® products contain no manure or compost.

## ENVIRONMENTALLY FRIENDLY

PAR4® 9-3-7 is low in heavy metals. PAR4® products are manufactured in state-of-the-art facilities whose management believes in environmental stewardship. Because PAR4® 9-3-7 fertilizer is built from naturally slow-release ingredients, environmental impact on waterways and aquatic organisms is minimal.

## EASY TO APPLY

PAR4® 9-3-7 is a consistently sized granule and is nearly dust-free. It can be applied using conventional fertilizer equipment and is safe for use around children and pets. PAR4® 9-3-7 can be applied to golf course fairways, athletic fields, in soil mixes, to feed containerized plants, flower and vegetable gardens, and in other turf and ornamental applications.

Always perform a soil test before applying any fertilizer product.

## FLEXIBLE PACKAGING AND PERSONALIZED SERVICE

PAR4® 9-3-7 is packaged in 50lb bags and bulk bags, available in truckloads delivered or pallet quantities from warehouses in Portland, OR and Stockton, CA. With our personalized service you can be assured that PAR® 9-3-7 gets to you when you need it.

*See back for more information.*



### PAR4 9-3-7 BENEFITS:

- Contains 9% nitrogen, 3% phosphorus and 7% potash
- Manufactured from feather meal, bone meal and potassium sulfate
- Consistent, quality-controlled processing
- Contains no manure or compost
- Time-released N; not dependent upon temperature
- Fewer applications required; reduced labor costs
- Can be applied using conventional fertilizer equipment
- OMRI listed

### OTHER PRODUCTS:

- PAR4® 13-0-0 granulated natural nitrogen fertilizer
- 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 and dolomitic lime

Distributed by:



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## PAR4® 9-3-7 Guaranteed Analysis

Total Nitrogen (N)	9.0%
Water Soluble Nitrogen	0.09%
Water Insoluble Nitrogen	8.1%
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	3.0%
Soluble Potash (K <sub>2</sub> O)	7.0%

Derived from feather meal, bone meal and sulfate of potash.



## Suggested Application Rates

<b>Established lawns</b>	
Spring application	15 lbs. per 2,500 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.

	<b>Protein-based fertilizers</b>	<b>Manure-derived fertilizers</b>
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](http://www.valleyafs.com).