



# PENNAMIN®

## PATENTED AMINO ACID SPRAYABLE POWDERS

### ABOUT

**Pennamin®** amino acids and micronutrients safely and efficiently deliver foliar micronutrition and non-leaching organic nitrogen. Pennamin products improve the efficiency of fertilizers, support turf & ornamental vigor, enhance root development

### PENNAMIN ADVANTAGE

- Pennamin products are readily absorbed by turf and ornamental foliage.
- Pennamin products have a low C:N ratio (6:1), which assures that the organic nitrogen is utilized by turf and ornamentals.
- Pennamin products help chelate soil micronutrients, making them more available

#### Application Instructions

##### **Pennamin Fe&Mn, Driver-P, High K, Perfect K**

Apply 0.40 – 2 oz. per 1000 ft<sup>2</sup>

(1 – 5 lb. per acre). Apply every 14 to 28 days as needed.

Applications on turf and ornamentals can be made throughout the growing season.

##### **Pennamin Si**

Cool Season – Apply 0.2 - 0.5 oz. per 1,000 ft<sup>2</sup> (0.5 - 1.5 lb. per acre)

Warm Season – Apply 0.2 - 0.9 oz. per 1,000 ft<sup>2</sup> (0.5 - 2.5 lb. per acre)

### PRODUCT OPTIONS

#### Pennamin® FeMn

9-0-0 with 4% Fe & 3% Mn

**57% Amino Acids**

#### Pennamin® Driver-P

12-0-0

**80% Amino Acids**

#### Pennamin® High-K

6-0-15 with 9% Ca

**40% Amino Acids**

#### Pennamin® Perfect-K

8-0-9+5% Ca with 2% Mg, 0.1% Fe, 0.05% Cu, 0.05% Mn, 0.05% Zn and 0.02% B

**64% Amino Acids**

#### Pennamin® Si

10-0-0 with 4% Si

**64% Amino Acids**