

PENNAMIN[®] Si

L-Amino Acid Sprayable Powder

PERFORMANCE
NUTRITION

10-0-0 + 4% Si

GUARANTEED ANALYSIS

Total Nitrogen (N) 10.0%
10.0% Other Water Soluble Nitrogen
Silicon (SiO₂) 4.0%
Derived from amino acids, opaline silica and IDS

AMINO ACID PROFILE

Amino Acid	Total AA %	Free AA %	Amino Acid	Total AA %	Free AA %
Alanine	3.5%	3.4%	Methionine	0.4%	0.4%
Arginine	4.7%	4.3%	Phenylalanine	3.5%	3.3%
Aspartic Acid	5.3%	5.2%	Proline	7.8%	7.8%
Cystine	1.5%	1.0%	Serine	9.0%	9.0%
Glutamic Acid	7.9%	7.5%	Threonine	3.4%	3.4%
Glycine	5.9%	5.7%	Tyrosine	0.6%	0.5%
Histidine	0.5%	0.5%	Valine	5.9%	4.1%
Isoleucine	3.4%	2.6%	Total Amino Acid %:		70.3%
Leucine	5.6%	5.2%	FREE Amino Acid %:		65.2%
Lysine	1.4%	1.3%	N from Amino Acids:		9.6%

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS: None

This product has been reviewed and was found to be non-hazardous per the GHS Standard.

COMPATIBILITY

DO NOT mix with Phosphates

Do not mix with pesticides or other chemicals without a compatibility test. **Pennamin Si** is compatible with most common foliar pesticides and nutrients; however, USER ASSUMES FULL RESPONSIBILITY to ensure compatibility when tank mixing with other products.

F1129

GENERAL INFORMATION

Pennamin[®] Si contains 10% N and 4% Si, as well as a comprehensive package of 17 L amino acids, all of which are free amino acids. Amino acids are a source of organic nitrogen, an essential nutrient for all plants and microorganisms, and are easily broken down and digested. **Pennamin Si** also supplies 4% silicon, which can improve leaf and stem strength, alleviate abiotic stresses as well as improve plant growth and development.

Pennamin Si is rapidly absorbed through the stomates and translocated within the plant to enhance general vigor.

APPLICATION INSTRUCTIONS

Pennamin products can be incorporated into liquid fertilizers or applied separately. Soil applications may be made either by sprinkler or band application.

Use a minimum of 5 gallons of water per pound of **Pennamin**.

Cool Season Grasses:

Greens and Tees: Apply 0.5 to 1.5 pounds of **Pennamin Si** per acre (0.2 to 0.5 ounces per 1,000 ft²).

Fairways: Apply 0.5 to 1.5 pounds of **Pennamin Si** per acre (0.2 to 0.5 ounces per 1,000 ft²).

Warm Season Grasses:

Greens and Tees: Apply 1.0 to 2.5 pounds of **Pennamin Si** per acre (0.4 to 0.9 ounces per 1,000 ft²).

Fairways: Apply 0.5 to 1.5 pounds of **Pennamin Si** per acre (0.2 to 0.5 ounces per 1,000 ft²).

Note: Low rates are intended for weekly maintenance. High rates are to be used for corrective applications. Adjust rates for bi-weekly applications.

MIXING INSTRUCTIONS

Fill tank with half the water, add **Pennamin Si** while agitating solution, then add balance of water.

CONDITIONS OF SALE

Seller warrants this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions and use. No one other than an officer of the seller is authorized to make any warranty, guarantee, or direction concerning this product. Because time, place, rate of application and other conditions of use are beyond the sellers control, the sellers liability from handling, storage, and use of this product is limited to replacement of the product or a refund of the purchase price.

Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm> or by writing to LidoChem LLC at the address on this label and referring to the lot/batch # on this container.

Guaranteed and Distributed By:
LidoChem LLC - Performance Nutrition Division

20 Village Court, Hazlet, NJ 07730

Phone: (732) 888-8000 | Email: info@pnfertilizers.com

Pennamin is a registered trademark of LidoChem LLC ©2025 LidoChem LLC

NET WEIGHT

50 lb. (22.7 kg.)

DO NOT STORE SOLUTION