



FERTUM® SILICIUM PK

Seaweed Extract 0-10-7

PRODUCT SPECIFICATION

IMPROVES PLANT DEVELOPMENT

CHARACTERISTICS

FERTUM® SILICIUM PK is a liquid fertilizer based on Silicon, in SiO₂ form, enriched with phosphorus, potassium and natural seaweed extracts. Its active component is hydrolyzed in the roots forming monosilicic acid when applied via irrigation or to the foliage. The silicon is quickly transported throughout the plant through the xylem maximizing the physical and chemical properties and the development of the plant's cells and structure.

FERTUM® SILICIUM PK allows the quick absorption of mineral nutrients because they are combined with natural low molecular weight chelating agents.

BENEFITS OF USING **FERTUM® SILICIUM PK**

- Develops a thicker and more protective cuticle.
- Improves strength of vegetative structure and of fruits.
- Protects plants from an excessive loss of water due to transpiration.
- Improves stem condition in grapes and of pedicels in cherries.
- Decreases cracks in cherries.
- Increases volume and mass of roots.
- Intensifies sugar content in fruit.
- Increases horticulture yields and improves the production of fodder.
- Allows a higher tolerance to stress conditions (transplant, temperatures, drought, wind. etc.).

GUARANTEED ANALYSIS

ELEMENT	CONTENT
Available Phosphate (P ₂ O ₅)	10%
Soluble Potash (K ₂ O)	7%
Derived from: Durvillaea antarctica, Macrocystis pyrifera. Phosphoric Acid, Rock Phosphate	
ALSO CONTAINS NONPLANT FOOD INGREDIENT	
0.57% Silicon Dioxide (SiO ₂) Derived from: Diatomaceous Earth	



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Recommendations for the use of FERTUM® SILICIUM PK

Directions for use: Dilute dosage in a minimum of 20 gallons of water or the usual amount used for spraying 1 acre.

Crop	Application Stage	Dosage pints/acre	N° Applic.
Annuals			
Cereals (corn, maize, sorghum)	Apply to plants with 4 - 6 leaves.	2.5-4.5	2-3
Sugar beet	Apply to plants with 4 - 6 leaves. Repeat every 15 days.	2.5-3.5	2
Wheat, oats, barley, lupins, rapeseed.	Apply to plants with 4 true leaves.	2	2-3
Fruit Trees and vides			
Apples, pears, quince	From 1" size fruit till the beginning of color change, every 15 days.	2.5-3.5	2-3
Blueberries, raspberries, blackberries , other berries	During sprouting apply to foliage. Repeat 15 days after.	2.5-3.5	2
Kiwi	8"-12" shoots - Repeat before flowering	2.5-3.5	2-4
Oranges, lemons, mandarins, other citrus, avocado	Induction of new shoots during spring and during autumn.	2.5-3.5	3-5
Stone fruits, almond, olive, walnut, European hazelnut, cherries	Apply after fruit set 15 days.	2.5-3.5	3-4
Strawberries	Fruit development and growth.	2.5	2
Table grapes, wine and pisco grapes.	Apply on 12" shoots and repeat just before flowering.	2.5-3.5	2-4
	Apply between berry set and veraison, to improve berry and stem condition.	2.5-3.5	2-4
Vegetables			
Potatoes	One week after plant emergence.	2	2-3
Vegetable nurseries	Saturation of the substrate with irrigation before sowing. Dilute at a 1% rate.	Irrigation at 5%	
Others			
Flowers and lawn	Apply every 7-10 days.	Irrigation at 2-3%	
Forage crops, permanent meadows	Beginning of the fast growth stage - 3 weeks later - Repeat application after each mowing	3.5-4.5	4-5
Forest nurseries (open-air)	First sprouts - Repeat every 10 days.	Irrigation at 5%	



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Compatibility: FERTUM® SILICIUM PK is compatible with most phytosanitary products; however, avoid mixing with pure products like: unchelated calcium, phosphoric acid or nitric acid, and products with a strong alkaline reaction. We recommend you perform physical compatibility tests with mixtures. FERTUM® SILICIUM PK must be incorporated as the last component of a mixture. Avoid concentrated tank mixes with a final pH below 5.5.

Preparing the mixture:

Shake each container before use and dilute previously in the usual amount of water required for irrigating 1 ha. Apply directly in the tank of the spraying equipment half filled with water, and then it must be agitated and filled up to the total volume agitating regularly. Once the mixture has been prepared it should be used immediately agitating regularly.

Re-entry period: You can re-enter the treatment area immediately.

Phytotoxicity: No phytotoxicity occurs if the product is applied at the recommended doses.

Caution: Store in a dark and cool place. Keep away from direct sunlight. FERTUM® SILICIUM PK is not toxic or dangerous for the user or the environment. Not flammable. If product comes in contact with eyes or skin, flush with water. Wear protective clothing required by local workers safety regulations. Keep out of the reach of the children and pets.

NOTICE: The seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. The buyer shall assume all risks of use including, but not limited to crop injury, ineffectiveness or other unintended consequences as may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of the seller. In no case shall Fertum USA Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Shelf Life: 2 years

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