

— INORGANIC FOLIAR FERTILIZER

· PRODUCT OF GREECE

BIOKA.

"Potassium that spreads
before it feeds."

A liquid potassium soap formulated for foliar uptake - built to wet the leaf surface first, so the potassium behind it can travel further, faster, and correct deficiency where it starts: at the leaf.

POTASSIUM SOAP

40 % w/v

PH (100%)

9.5

CONDUCTIVITY

45.5 $\mu\text{S}/\text{cm}$



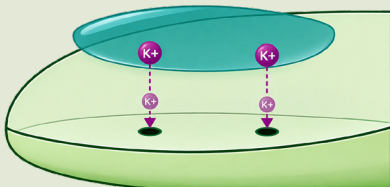
— WHAT IT IS

Bioka is a liquid potassium fertilizer built around a 40% potassium soap base — a formulation chosen for what it does at the moment of contact, not just what it delivers afterward. Most potassium products are only as good as their ability to stay on the leaf; **Bioka's** soap chemistry is naturally surfaceactive, so it spreads and wets rather than beading and rolling off.

Once on the leaf, that same surface activity keeps working — easing ion penetration and supporting more efficient potassium uptake through periods of high demand, when crops are sizing fruit, filling grain, or building sugar.

The result shows up in the parts of the crop that are judged by taste and appearance: **flavor, aroma, sugar accumulation, size** and **shelf life**. Bioka is nutritional only — always run a jar compatibility test before tank-mixing with other inputs.

soap film spreads



LEAF CROSS-SECTION · STOMATA UPTAKE

**SURFACTANT FILM → STOMATAL
ENTRY → POTASSIUM DELIVERED**

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— HOW IT WORKS

Three actions, one droplet.

1

Wets

The soap base drops surface tension on contact, so spray sheets across the leaf instead of beading and rolling away — even on waxy or hairy foliage.

2

Penetrates

Even coverage keeps the leaf surface wet longer, giving potassium ions more time and more contact area to move in through the stomata.

3

Nourishes

Potassium reaches the tissue where it's needed most — correcting deficiency and supporting size, flavor, aroma and sugar accumulation.

— APPLICATION & DOSAGE

Field dosage guide

CROP GROUP	APPLICATIONS	DILUTION RATE
General foliar <i>All crops · repeat every 15-20 days</i>	As required	2 – 5 L / 1000 L water
Stone & pit fruit	1 – 3	2 – 3 L / 1000 L water
Horticultural crops <i>Vegetables incl.</i>	1 – 3	2 – 4 L / 1000 L water
Vine	2 – 3	2 – 3 L / 1000 L water
Watermelon & melon	1 – 3	2 – 4 L / 1000 L water
Ornamentals <i>Small plants</i>	1 – 3	2 – 2.5 L / 1000 L water
Tobacco	Per hectare	6 – 8 L / 1000 L water



Available in

1L, 5L and 20L

— TIMING BY CROP STAGE

When to spray

Fruit trees

Coffee, avocado, mango — apply during fruit development and coloring to improve marketability and shelf life.

Horticultural & veg

Start at fruit set and continue through expansion and ripening, every 10-15 days.

Cereals

Maize, wheat — apply from end of tillering through grain filling to improve test weight and grain quality.

Ornamentals

Apply during flower bud formation, in the cooler hours of early morning or late evening.

— GUARANTEED ANALYSIS

Composition

Potassium Soap	40% w/v
pH (100%)	9.5
Electrical conductivity (1/1000)	45.5 μ S/cm
Formulation	Liquid
Application	Foliar only

— HANDLING

Storage & use notes

Store cool, dry and well-ventilated, away from direct sunlight, frost and extreme heat. Keep tightly closed in original packaging, out of reach of children, pets, food and animal feed.

Before large-volume mixing: run a jar compatibility test. Apply in the cooler hours of the day, and avoid application during water stress unless the crop is under irrigation.