TECHNICAL DATA SHEET

K-HUMATE® 26%

SOIL

PRODUCT CATEGORY

Concentrated Liquid Soil Conditioner

ELEMENTAL ANALYSIS:

Elemental Analysis:	%W/V
Potassium Humate*	26.00
Potassium (K)	5.0

* Humic acid levels determined using the CDFA method.

KEY BENEFITS:

K-HUMATE® 26% has the potential to:

- Improve cation exchange capacity (CEC) and water holding ability.
- Improve retention and plant uptake of essential nutrients.
- Promote better soil structure.
- Increase the effectiveness of applied fertilizers.
- Improve beneficial microorganisms in the soil.
- Improve yield and quality.

APPLICATION RATES & TIMING:

Crop	Rate L/ha (Minimum Per Season)	Timing
Almond	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Apple	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Avocado	20-30 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Banana	20 L/ha	Apply at early shoot development and 4-6 weeks later.
Brassica	20 L/ha	Apply at planting or early in crop cycle. Repeat 6 weeks later.
Broadacre	10-20 L/ha	Apply in furrow at planting. Can be mixed with UAN.
Canola	10-20 L/ha	Apply in furrow at planting. Can be mixed with UAN.
Carrot	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks later.
Cereals	10-20 L/ha	Apply in furrow at planting. Can be mixed with UAN.
Cherry	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Citrus	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Cotton	10-20 L/ha	Apply at planting or early in crop cycle.
Green Beans	20 L/ha	Apply at planting or early in crop cycle. Repeat 4-6 weeks later.
Lettuce	20 L/ha	Apply at planting or early in crop cycle. Repeat 4-6 weeks later.
Legumes, Field Peas	10-20 L/ha	Apply in furrow at planting. Can be mixed with UAN.
Lucerne	10-20 L/ha	Apply after each cut.
Macadamia	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Mango	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.

Continued overleaf

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Melons	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks later.
Onion	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks later.
Orchard Crops	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Potatoes	20 L/ha	Apply with base fertilizer application or as early in the crop cycle as possible.
Pumpkin	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks later.
Stone Fruit	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Strawberry	20 L/ha	Apply at planting or early in crop cycle. Repeat every 6 weeks until end of harvest.
Sugar Cane	20 L/ha	Apply at planting or ratoon. Ideal to inject in furrow with fertilizer band.
Sweet Potato	20 L/ha	Apply with base fertilizer application or as early in the crop cycle as possible.
Table Grape	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.
Tomato	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks.
Turf	20 L/ha	Apply every 4-6 weeks during active growing season.
Vegetables	20 L/ha	Apply at planting or early in crop cycle. Repeat 6-8 weeks later in long cycle annual crops.
Wine Grape	20 L/ha	Preferably 3 applications beginning with first fertilizer application for crop cycle, then 4-6 weeks apart.

APPLICATION GUIDELINES:

MIX WELL BEFORE USE

Best Timing and Application of K-HUMATE®: Apply throughout the growing season for improved nutrient uptake and microbial activity, preferably before fertilizer applications.

Fertilizer compatibility: K-HUMATE® has limited compatibility in solutions with low pH, or containing divalent cations like calcium, zinc etc. Solutions with sulphates or phosphates can also present issues. If mixing with other products, test for compatibility with a small quantity in a jar.

If mixing with UAN, add K-HUMATE® to the solution prior to the addition of UAN.

TYPICAL CHEMICAL CHARACTERISTICS:

pH:	>10
Colour:	Dark Brown
Form:	Liquid
Odour:	Slight pungent
Density @ 20°C:	1.1g/cm^3
Solubility in Water:	Fully miscible

PACKAGING SIZES AVAILABLE:

20 L, 200 L and 1000 L

IDEAL STORAGE CONDITIONS:

Store in cool and dry conditions
(Preferably below 30°C)

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