

**PRODUCT INFORMATION:**

Bio Basics K + 1-0-24 contains potassium, which is essential for photosynthesis, stomatal opening, carbon dioxide uptake, water conservation and leaf blade strength. Bio Basics K + potassium is chloride free.

**COMPATIBILITY WITH OTHER MATERIALS:**

Bio Basics K + is compatible with most liquid fertilizers, insecticides, fungicides, herbicides and nematicides. Check the compatibility of untried chemical mixes. Always jar test when in doubt.

**DIRECTIONS FOR USE:**

May be applied through irrigation system at lower rates for continuous feed. Grass types and seasonal influence should determine rates. Boom Spray: Rates are from 4 oz. as a maintenance rate, to 12 oz./1000 as a corrective rate. Use 3 to 4 times per month. Use 2 gallons/1000 as a carrier. Always use the best management practices and tissue test to maintain and maximize performance. Allow to dry 30-45 minutes and lightly water in for best results. Potassium performance will be best managed when combined with a complete micronutrient package with each application.



**Manufactured and Guaranteed By:**  
**Medina Agriculture Products Co., Inc.**  
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Phone: 830-426-3011

# Bio Basics®

## K 1-0-24

*A Liquid Potassium Product for  
Potassium Deficiencies in Turf*



### Guaranteed Analysis

<b>Total Nitrogen (N)</b> . . . . .	<b>1.00%</b>
<b>1% Nitrate Nitrogen</b>	
<b>Soluble Potash (K<sub>2</sub>O)</b> . . . . .	<b>24.00%</b>
<b>Sulfur (S)</b> . . . . .	<b>15.00%</b>
<b>15% combined Sulfur (S)</b>	
<b>Humic Acid</b> . . . . .	<b>0.50%</b>

**DERIVED FROM:**

**Potassium Nitrate, Potassium Thiosulfate,  
Seaweed Extracts, Humic Acid and water**

**NET CONTENTS:**

**2.5 Gallons/9.46 Liters  
11.91 Lbs. Per Gallon at 68°F**

**NET WEIGHT:**

**29.77 Lbs. (13.50 KG)**

**NOTICE OF WARRANTY:** Medina Agriculture Products, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Product ineffectiveness and other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product not in accordance with the directions, all of which are beyond the control of Medina Agriculture Products, Inc. In no case shall Medina Agriculture Products, Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product that is not in accordance with the directions. Medina Agriculture Products, Inc. makes no warranties of merchantability or fitness for a particular purpose, nor any other express or implied warranty except as stated above.

**CAUTION:** Harmful if swallowed. May be harmful or irritating to eyes, skin and respiratory system. Do not ingest. Avoid contact with skin and eyes. Do not inhale spray mist.

**Bio Basics™**  
**K+1-0-24**

# Technical Product Specifications/Guideline



## Product Analysis

1.0% Nitrate Nitrogen  
24% Potash  
15% Sulfur  
Trace Humic Acid & Seaweed Extract

*High analysis Potash with a stable pH for maximum use during all seasons with minimum risk normally associated with other K sources.*

## Features/Benefits

- Low salt index
- Enzyme Activator
- Required for Protein synthesis in higher plants
- Functions in osmoregulation and pH stabilization
- K has the major role for turgor changes in guard cells during stomatal movement (Humble-HSIAO, 1970)
- K and gibberellic acid act synergistically for stem elongation; K and reducing sugars act together to improve or produce turgor potential for cell extension

## Suggested Rates

Normal maintenance: 4 oz. per 1000 sq. ft. 3 to 4 times per month (tissue test to verify)

Corrective rate: 12 oz. Per 1000 sq. ft. 3 to 4 times per month (tissue test to maintain maximum performance)



Manufactured & Guaranteed By:  
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