



**DUAL CHELATE  
FERTILIZER**  
THE SCIENCE IN PLANT NUTRITION

# CRYSTAL KN (LIQUID POTASSIUM NITRATE)

NPKS: 4-0-12-0

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A plant-available liquid Nitrogen fertilizer with Potassium. Used throughout season and post-harvest.

## Benefits of Crystal KN (Liquid Potassium Nitrate)

Readily available form of nitrogen and potassium.

Enhances plant development and vigor while promoting greener growth and larger yields.

Increase sugar content in fruits and vegetables.

Enhances firmness and shelf life of produce

Potassium is involved in the translocation of plant nutrients, water, and other substances within the plant.

Replenishes nutrients lost at harvest and encourages strong bud development for the following season.

## The Importance of Nitrogen

Nitrogen is a vital macronutrient that all plants need for healthy growth. It is an essential constituent of the chlorophyll molecule, nucleic acids, and proteins.

Nitrogen promotes vegetative growth and is quickly taken up by plants.

## The Importance of Potassium

Potassium acts as a regulatory element controlling plant water status and activation of many enzymes. Potassium also plays a role in enhancing resistance to abiotic stress such as drought, frost, pests, and diseases.



# CRYSTAL KN

Physical Properties - pH: 8.1-8.9, Specific Gravity: 1.1-1.2  
Analysis W/V%: 3.60% N, 11.60% K

## Application Guide

Crop	Foliar	In-Furrow / Fertigation	Comments Foliar
<b>Broadacre and Row Crops</b> Cereal, Canola, Rice, Field Peas, Broad Beans, Lentils, Chick Peas, Pasture, Cotton, Maize, Sorghum.	2- 3 L/ha diluted in a minimum of 50- 100 L of water	10-25L/ha	Apply through foliar and fertigation as required during the crop cycle.
<b>Tree Crops - Deciduous</b> Almond, Stone fruit, Pome fruit, Pistachio, Walnut, Hazelnut	N/A	20-50L/ha	Apply through foliar or fertigation as required during the crop cycle.
<b>Tree Crops - Evergreen</b> Avocado, Citrus, Macadamia, Lychee, Mango, Olives	N/A	20-50L/ha	Apply through fertigation as required during the crop growth cycle.
<b>Fruiting Vegetables</b> Tomatoes, Capsicum, Cucurbits, Eggplant, Melon	N/A	10-30L/ha	Apply through fertigation as required during the crop growth cycle.
<b>Leafy Vegetables</b> Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	N/A	10-20L/ha	Apply through fertigation as required during the crop growth cycle.
<b>Root Vegetables</b> Potato, Sweet Potato, Carrot, Beetroot, Leek, Onion, Radish	5- 10 L/ha diluted in a minimum of 400- 700 L of water	10-25L/ha	Apply through foliar or fertigation as required during the crop growth cycle.
<b>Vine and Berry Crops</b> Wine and Table Grapes, Blueberry, Raspberries	N/A	20-40L/ha	Apply through fertigation as required during the crop growth cycle.



FOLIAR



FERTIGATION



IN-FURROW

**Disclaimer:** Please be aware that fertiliser can burn and or damage crops and pasture. Visible nutrient deficiency symptoms, analytical results and nutrient removals are the most commonly used criteria to determine the appropriate application rate. There are a number of factors including (but not limited to) weather, soil conditions, application methods, irrigation and management practices which are beyond the control of Dual Chelate Fertilizer and cannot be foreseen. Therefore, Dual Chelate Fertilizer accepts no responsibility whatsoever for any damage, loss or other consequences following the use of this guide or product.