

PRODUCT INFORMATION SHEET

Potassium Nitrate

Horticultural Grade (HG)

Potassium Nitrate is a fully water soluble, highly efficient nitrogen and potassium fertiliser with high potassium content. Ideal for use in greenhouses, fertigation systems and for foliar fertilisation of cereal, vegetable, fruit, flower and ornamental crops.

It improves the quality and shelf life of fruits and vegetables, contributes to better accumulation of starch in potatoes, sugar in sugar beet and other root crops, and helps strengthen the stems preventing crops from drowning.

Product Characteristics

- Fully water soluble (WS), and therefore immediately plant available
- White free flowing crystals, yellow-grey shade
- Application of potassium nitrate improves plant resistance to stress conditions

Purchasing Requirements

- Potassium Nitrate is a class 5.1 Dangerous Good
- For farms under 2ha, a 1 tonne limit applies
- Drivers licence is required for all cash/ non-commercial sales

Packaging

Available in 25kg bags only



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Application | Fertigation

Crop	Application	Total dosage in kg / ha
Fruit trees	Possible use from the beginning of fertigation program till 3 - 4 weeks before harvest	150 - 400 kg
Vineyards (<i>adult table grapes</i>)	Possible use from the beginning of fertigation, thanks to nitrogen as nitric form	100 - 250 kg
Citrus (<i>adult trees</i>)	During the entire fertigation program	150 - 400 kg
Vegetables	Beginning of vegetative growth and possible use till 2 - 4 weeks before harvesting	100 - 300 kg
Processing vegetables		
- Potatoes	From tuber initiation till ripening stage	100 - 200 kg
- Tomatoes	From 1 month after transplantation until start of maturation stage	150 - 300 kg
Banana	During the entire fertigation program	200 - 500 kg

Application | Foliar

Crop	Application	Dosage in kg/ application *	Concentration of spray solution (w/v)
Apple, pear	1 - 3 applications: End of flowering stage / early fruit enlargement	4 - 12 kg	0.5 - 1.5%
Stone Fruits	2 - 3 applications: From fruit setting until fruit colouring	5 - 10 kg	1.0 - 1.5%
Citrus	1 application: During fruit development	6 - 15 kg	1.5 - 2.5%
Olive	3 - 4 applications: During spring, before flower induction and during fruit development stage	8 - 18 kg	1.5 - 2.5%
Banana	4 - 10 applications: From "small" stage till beginning of fruit filling	6 - 15 kg	1.0 - 2.0%
Vegetables	2 - 4 applications: As of fruit setting, 10 day intervals	4 - 8 kg	0.5 - 1.0%

**dependent on amount of water used*

Application rates and dosages listed in this brochure are a guide only. They are subject to soil and climatic conditions, influence of previous crops and other factors. For exact application rates and dosages contact your Baileys Area Manager for a soil, plant and /or water analysis.

