

## PRODUCT INFORMATION SHEET

# WS NPK 18 - 8 - 15 + 2Mg + TE

WS NPK 18 - 8 - 15 + 2Mg + TE with balanced NPK levels is part of our Water Soluble NPK range.

WS NPK 18 - 8 - 15 + 2Mg + TE is recommended when high rates of all nutrients are required by the crop during critical growth stages, e.g. during intensive shoot and/or fruit development, after winter dormancy, or for intensive nutrients charging of perennial crops at autumn time. They can also be used when plants need extra care after being exposed to stress. Turf farms and major sporting complexes can use WS NPK 18 - 8 - 15 + 2Mg + TE as it efficiently directs nutrients into the leaf for rapid plant uptake, especially when tie up issues are evident. It encourages strong root development, energy production and is perfect for use in new turf or renovation situations.

These water soluble NPKs are rich in nutrient content and based upon the highest quality raw materials: highly soluble, dust-free and with a low sensitivity for caking. The raw materials also have a high, efficient nutrient content and a limited amount of undesired salts. The products are Chlorine and Sodium free. Low biuret urea is used when urea is required. The Water Soluble NPKs are supplemented with high levels of fully chelated trace elements.

WS NPK 18 - 8 - 15 + 2Mg + TE can be used in combination with other fertilisers in the Water Soluble NPK product line.

## Product characteristics

- A highly efficient source of nitrogen (N), phosphorus (P), potassium (K) in a fully balanced ratio.
- To be used throughout the entire crop cycle
- Highly soluble, pure, free of dust and with limited sensitivity for caking
- Highly concentrated formulas rich in nutrient content
- Low on sodium and chloride
- Trace elements are fully chelated
- Specially designed for foliar feeding
- Specially designed for fertigation in soil as well as high tech, soilless
- Compatible with most water-soluble fertilisers, except fertilisers containing Calcium. In this case, two tanks are required, or fertilisers should be applied separately

## Packaging

Available in packages of 25 kg



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## Dosing instructions | Fertigation

Crop	Application date	Dosage in kg / ha
Fruit trees	Just after flowering stage, during intensive vegetative growth and fruit development	100- 200 kg
Vineyard	Just after bud opening until main vegetative growth stage	100 - 150 kg
Citrus	After winter, during early vegetative growth	150 - 300 kg
Vegetables (potato, onion, carrot)	From vegetative growth till tuber initiation and until 10 days before end of tuber enlargement	100 - 200 kg
Vegetables (tomato, cucumber)	As of start vegetative growth until beginning of fruit setting	150 - 300 kg
Banana	All season	150 - 250 kg

## Dosing instructions | Foliar

Crop	Application date	Dosage per application *	Concentration of spray solution (w/v)
Fruit trees (stone fruit)	During intensive growth, fruit development (15 days interval)	3 - 6 kg	0.3 - 0.5%
Citrus	During vegetative growth and after harvest	5 - 10 kg	0.5 - 1.0%
Strawberry	During early vegetative growth and after each harvest	2 - 5 kg	0.3 - 0.5%
Melon	During vegetative growth	3 - 6 kg	0.5 - 0.8%
Banana	All season, at times of growth initiation, flowering	5 - 10 kg	0.3 - 0.5%
Vegetables (onion, carrot, potato)	3 applications during growth stages	3 - 6 kg	0.3 - 0.5%
Vegetables (tomato, cucumber)	As of start vegetative growth until beginning of fruit setting	5 - 10 kg	0.4 - 0.6%
Field crops (corn, rape, wheat, sugar, beets)	From enough foliar coverage 3 applications during growth stages	3 - 6 kg	0.5 - 1.0%
Olive	Spring, during vegetative growth, flowering and until two weeks after fruit set	5 - 10 kg	0.5 - 1.0%
Vineyard	3 times from early vegetative growth and until start of fruit development	3 - 5 kg	0.3 - 0.5%
Turf	Use every 2-4 weeks within the growing season or apply when plant tissue results show deficient levels	25 - 30kg per ha	1:10

\* Depending on the amount of water used.

In case of foliar feeding as part of a spray-mix, testing the intended spray-mix on a small area is recommended prior to commercial treatment. The mentioned indicated dosages, number of applications, concentration and application stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages, concentrations and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and / or plant analyses.



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**PRODUCT SPECIFICATION SHEET****WS NPK 18 - 8 - 15 + 2Mg + TE****Section 1****Description:**

Product name	WS NPK 18 - 8 - 15 + 2Mg + TE
Chemical Formula	18 - 8 - 15 + 2Mg + TE
Appearance	Powder
Origin	Holland

**Section 2****Chemical composition (typical):**

Total Nitrogen (N)	18.7 %
Nitric Nitrogen (N-NO <sub>3</sub> )	5.4 %
Ammoniacal Nitrogen (N-NH <sub>4</sub> )	3.6 %
Urea Nitrogen (N-NH <sub>2</sub> )	9.8 %
Phosphorus (P)	7.9 %
Potassium (K)	15.0 %
Magnesium (Mg)	1.8 %
Sulphur (S)	2.4 %
Iron (Fe), EDTA-chelated	0.0560 %
Manganese (Mn), EDTA-chelated	0.0280 %
Zinc (Zn), EDTA-chelated	0.0080 %
Copper (Cu), EDTA-chelated	0.0064 %
Bore (B)	0.0096 %
Molybdenum (Mo)	0.0040 %

**Section 3****Physical properties:**

Density (in g/cm <sup>3</sup> ) +/- 10%	1.0 gr/cm <sup>3</sup>
pH (in 0,1% water solution)	5 - 7
EC (in 0,1% water solution)	1.1
Solubility in water (in g/l) +/- 10%	473.3

