



Hydrocomplex™

Partner

12.5.15
+Mg +S +TE

A balanced formulation for a more uniform crop.



Yara Specialities
Growing Your Potential



Further Information:

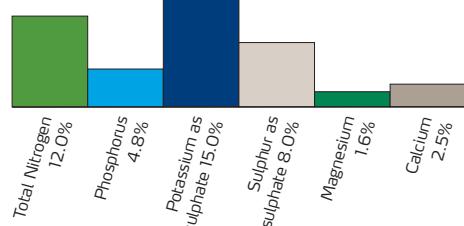
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Compound formulation for better crops

Each prill of Hydrocomplex™ is a complete balanced package of plant nutrients, which avoids segregation and uneven application.

Hydrocomplex™ - Formulation



Minimum nitrogen losses

As there is no urea Hydrocomplex, losses to the atmosphere through volatilisation are minimised.

Immediate plant response

40% of the nitrogen in Hydrocomplex is in the readily plant available form of nitrate nitrogen, meaning plants can use the available nitrogen immediately.

Sustained plant response

60% of the nitrogen in Hydrocomplex is present as ammonium nitrogen, which ensures a longer lasting effect.

Low in impurities

Compared to many phosphate fertilisers, Hydrocomplex has very low heavy metal impurities including Cadmium.

Product	Cd mg/kg of P
Hydrocomplex	25 max.
DAP/MAP/TSP	50-100
Single Super	100-200

Ideal as a base dressing

Hydrocomplex is best recommended as a base dressing before the planting of a new crop. Hydrocomplex can also be side-dressed to accelerate vegetative growth.



Compatible with Calcium Nitrate

For optimum yield results, use a base dressing of Hydrocomplex, top-dress with Hydro Calcium Nitrate. Using this program provides all required nutrients, including Calcium, which can increase shelf life and storage capabilities.

Immediate Phosphorus response

65% of the phosphorus in Hydrocomplex is water soluble and immediately available for the crop. The remaining 35% has a sustained response as it gradually dissolves.

High in potassium low in chloride

All potassium in Hydrocomplex is represented as potassium sulphate, which in turn ensures very low chlorides. High levels of potassium also helps create strong cells in fruit and leaves, which lowers disease risk, improves storability and reduces bruising.

Plant available Sulphur

Because sulphur is mobile in the soil, maintenance levels are essential for balanced plant growth. Sulphur in Hydrocomplex is in the sulphate form and so is available for immediate plant uptake.

Magnesium for better crops

Magnesium is vital for photosynthesis and is an essential nutrient for any fruit, vegetable grain or pasture. The magnesium in Hydrocomplex is water-soluble.

Trace elements in every prill

Iron (0.2%), zinc (0.02%), manganese (0.02%) and boron (0.015%) are contained in each prill of Hydrocomplex. Trials have shown improved uptake of trace elements when they are included within the NPK prill of Hydrocomplex.

These results were part of a recent study of the uptake of zinc and manganese by tomatoes.

Product	Mn	Zn
No trace element	70	11
Hydrocomplex	106	20
Mn and Zn applied separately as sulphates	53	16

Plant Mn and Zn contents are mg/kg dry matter.

Free flowing and dust free

With 85% of prills within 2-4mm in size, Hydrocomplex gives uniform spreading up to 30 metres in width. Handling in spreaders or precision seeders is also easy as the prills are hard, with a very low dust component (less than 1kg/tonne).

Free flowing for easy handling and spreading, Hydrocomplex contributes to more uniform crops and better quality product.

Applications	kg/ha
Vegetables	400-1000
Fruit trees	400-600
Vines	250-800
Nurseries	400-600

Hydrocomplex may be applied pre-plant, broadcast or side-dressed.

Available from