Hakaphos® Verde

COMPO GmbH & Co. KG
Gildenstraße 38
48157 Münster
Germany

E-Mail: info@compo.de

Water soluble NPK compound fertilizer with magnesium, sulphur and micronutrients. Free of sodium and urea, low in chloride (Cl < 1 %). For application in dissolved form via fertigation.

Technical data*:

Total Nitrogen (N):	15,0 %
Nitrate Nitrogen (NO_3-N):	4,0 %
Ammonium Nitrogen (NH_4-N):	11,0 %
Urea Nitrogen (NH_2-N):	-
Phosphorous Pentoxide (P_2O_5), water-soluble:	10,0 %
Potassium Oxide (K_2O), water-soluble:	15,0 %
Calcium Oxide (CaO), water-soluble:	-
Magnesium Oxide (MgO), water-soluble:	2,0 %
Sulfur Trioxide (SO_3), water-soluble:	31,0 %
Boron (B), water-soluble:	0,010 %
Copper (Cu), water-soluble:	0,020 %
Iron (Fe), water-soluble:	0,050 %
Manganese (Mn), water-soluble:	0,050 %
Molybdenum (Mo), water-soluble:	0,001 %
Zinc (Zn), water-soluble:	0,020 %
Color:	green
Density (g/l):	-

Cu, Fe, Mn, Zn chelated by EDTA.

* All percentages are by weight.

Recommendations for application:

This fertilizer product contains all necessary plant nutrients for a complete fertilization of agricultural and horticultural crops. Its excellent solubility prevents clogging of drip emitters and sprayer nozzles. As, however, certain types of water may lead to precipitation even without the addition of fertilizer, special care is required where such waters are used.

This product can be applied in dissolved form through an irrigation system. This fertigation leads to reduced nutrient leaching and thus fertilizer amounts needed when compared to conventional fertilization.

Notice to buyer:

Careful tests have proven that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use are beyond our control and we are unable to foresee all circumstances arising there from, we are only liable for a consistent quality of the product. The risk of storage and use is not borne by us.

Miscibility:

This fertilizer is miscible with virtually all common plant protection agents; it is not miscible with strongly alkaline products or with mineral oils. A simple compatibility test with the intended mixing partners is recommended before practical use.

Storage:

This fertilizer can be stored in the unopened original container for several years. Opened containers should be used up or be resealed immediately; the product is hygroscopic. Any hardening of this product that may occur during prolonged storage does not influence the chemical quality and solubility of the product.

Last update: 11/06/2012

Application rates

COMPO GmbH & Co. KG
Gildenstraße 38
48157 Münster
Germany

E-Mail: info@compo.de

Recommendation for application per crop:

400 l water/100 m^2	Fertilizer concentration	Fertilizer g/100 l water	Number of fertilizer applications/week
vegetables			
nursery	0.1 - 0.3	100 - 300	1 - 2
transplanted	0.2 - 0.4	200 - 400	1 - 2
cut flowers	0.2 - 0.3	200 - 300	1 - 2
potted plants			
nursery	0.05 - 0.3	50 - 300	1 - 2
main development	0.1 - 0.4	100 - 400	1 - 4

If leaves are wetted by the concentrated fertilizer solution used for liquid fertilization, it is recommended to rinse the plants with clear water.

General Information:

Generally: frequent applications at low rates yield the best results.

Fertilizer rate and timing depend significantly on the fertigation technique used that no valid general recommendations can be given.

For fruits and vegetables the following maximum amounts should not be exceeded with continuous drip irrigation.

Sensitivity of crops	Max. amount of fertilizer in g/l water[1]	Crops
high	1.3	deciduous fruits, citrus, strawberry, peppers, lettuce, carrots, beans
medium	2.5	tomato, melon, other cucurbits, spinach
low	5.0	beetroots, asparagus

[1] When the electric conductivity (E.C.) of the irrigation water is close to 0. The maximum amount of fertilizer which may be applied should be reduced in case of irrigation water with high E.C.

Last update: 23/11/2011