



**PRODUCT INFO  
& DATASHEET**

# **SICORGAN-N HIGH**

## **Organo-mineral NPK 10.4.3 + 1 MgO (45 OM)**

### **in 4-5mm pellets - Made in Belgium**

06/2019

#### **1/ PRODUCT DESCRIPTION**

The high nitrogen content of SICORGAN-N HIGH will stimulate the general development of all crops and plants. Nutrients are released at a slower, more consistent rate, helping to avoid a boom-and-bust pattern. It also helps to retain soil moisture, reducing the stress due to temporary moisture stress. Organic fertilisers also have the advantage to avoiding certain long-term problems associated with the regular heavy use of chemical fertilisers. These problems include: the possibility of "burning" plants with the concentrated chemicals (i.e. an overprovision of some nutrients); the progressive decrease of real or perceived "soil health", apparent in loss of structure, reduced ability to absorb precipitation, lightening of soil colour, etc.; the necessity of reapplying chemical fertilisers regularly (and perhaps in increasing quantities) to maintain fertility; the cost (substantial and rising in recent years) and resulting lack of independence.

#### **2/ PRODUCT COMPOSITION & CALCULATED AVERAGE ANALYSIS**

Dry matter	88% min.	<b>SICORGAN-N HIGH NPK 10.4.3 + 1 MgO</b>	
Humidity	11% max.	<b><u>contains all trace elements:</u></b>	
Organic matter (OM)	45% min.	Iron (Fe)	450 mg/kg
Total Nitrogen (N)	10%	Manganese (Mn)	250 mg/kg
Phosphate (P2O5)	4.0%	Zinc (Zn)	300 mg/kg
Potassium (K2O)	3.0%	Copper (Cu)	40 mg/kg
Calcium (CaO)	7.9%	Boron (B)	30 mg/kg
Magnesium (MgO)	1.0%	Molybdenum (Mo)	< 5 mg/kg
Sulphate (SO4)	6.2%	<b><u>Other characteristics</u></b>	
Sodium (Na2O)	0.5% max.	C/N	> 2
Chlorine (Cl)	0.5% max.	<b><u>Heavy Metals</u></b>	
pH (10% solution)	6	Arsenic (As)	< 2.0 mg/kg
Density	+/- 725-800 kg/m <sup>3</sup>	Cadmium (Cd)	< 0.20 mg/kg
Pellet diameter: 4-5mm (ideal for mechanical spreading)		Chromium (Cr)	< 10 mg/kg
		Mercury (Hg)	< 0.05 mg/kg
		Lead (Pb)	< 5 mg/Kg
		Nickel (Ni)	< 5 mg/kg

#### **ATTENTION:**

As this is a natural product there may be analysis deviations between different production batches that can go up to +/- 10-15%

#### **3/ ADVANTAGES**

NPK 10.4.3 is an ecologically sound fertiliser pellet free from pathogens. It contains organic material such as humic acids able to release micro-nutrients in the soil. The nutrients gradually become available for absorption by the roots of the crop.

Sound fertilisation with NPK 10.4.3 prevents deficiency symptoms during the growing season. This positive effect of NPK 10.4.3 represents a considerable saving of chemical fertilisers. This benefits the environment and prevents degradation of soil fertility.

Besides these benefits, the use of NPK 10.4.3 leads to an increase in the microbiological activity in the soil and improves the structure and porosity of the soil.

A large proportion of the product consists of protein made up of amino acids. These amino acids are gradually released as a result of the breakdown of the organic structures. The slow release character allows plants to use the nutrients before leaching occurs.

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#### **4/ ADDED VALUE & ADVANTAGES**

- \* Stimulates activity of micro-organisms in soil.
- \* Excellent source of humus
- \* Good balance of minerals.
- \* Avoid a boom and bust pattern of fertilisation.
- \* Helps to retain soil moisture, reducing temporary moisture stress.
- \* Homogeneous and stable thanks to very modern drying technology.
- \* Traceability thanks to controlled modern production.
- \* Fermented. Pasteurization according to European standard Regulation (EC) No: 1069-2009.

#### **5/ APPLICATIONS**

Golf courses, lawns, rice cultivation etc. General recommendation : 1-2 tons per ha. Frequency depends on soil and crop. On rice use 500 – 1000 kg/ha. For other crops: same as for Sicorgan NPK 4.3.3 + 1 MgO.

#### **6/ EASY TO USE**

The ideal granular shape makes SICORGAN-N HIGH very easy to spread using a fertiliser distributor. It goes without saying that the product can also be distributed by hand or using a row fertilizer. SICORGAN-N HIGH can be stored for long periods in dry, well-ventilated buildings.

#### **7/ PACKING**

In 25 kg net multicolor SICORGAN polyethylene (pe) bags (with product label *-can be in any language: you provide us ready to print translation of our English standard text in your language*), bags without pallets about 22.2 MT/20' fcl or 19.2 MT/20' fcl if on pallets or 27.6 MT/40' fcl (loose bags) or 27.90 MT/40' fcl (bags on pallets).