



**PRODUCT INFO  
& DATASHEET**

*Technical Data Sheet & Certificate of Analysis*

**NATURACTIV® (or SICORGAN®) ORGANIC NPK 11-0-5**  
*100% plant based fertilizer, being also suitable as Vegan fertilizer*  
*small round shaped balls (71.90% OM)*

04/2021

**1/ PRODUCT DESCRIPTION & BENEFITS**

Organic NPK 11-0-5 (Granular) consists of organic raw materials with substantial levels of natural sugars. Due to fermentation processes the organic materials are upgraded to an excellent fertilizer. The high level of trace elements and sugars supports a healthy soil life and provides healthy plant growth. The amino acids in Organic NPK Granular can also be absorbed at low temperatures.

Because of the balance between slow and quick released nitrogen elements, effect is ensured up to several weeks. Approximately 50% of the nitrogen is released during the first four weeks. Organic NPK 11-0-5 is supplied without the use of preservatives. The round shape guarantees a good flowability on the land.

Organic NPK 11-0-5 is a 100% natural product and is suitable for use in organic farming in accordance with EU regulations.

**BENEFITS:**

- Easily applied with spreading machinery
- Natural fertilizer
- Fully plant based
- Ensures stable plant growth
- Supports the soil life
- Efficient use of minerals
- Increases abiotic stress tolerance
- Provides a compact rhizosphere

**2/ PRODUCT SPECIFICATIONS\* & CERTIFICATE OF ANALYSIS (average)**

Parameters	% product w/w
Shape	Granular (white – black)
Bulk density	0.83 kg/l
Dry matter	97.10%
Moisture	2.9 %
Organic matter	71.90%
Ash	25.20%
pH	4.5
Amino acids	10-11%
Energy value	9.626 MJ/Kg
EC	130 µS/cm
Nitrogen (total)	11%
Phosphorus (P2O5)	0,36%
Potassium (K2O)	4.45 %
Sulfur (SO4)	3.27 %
Sulfur (S)	n/a
Calcium (Ca)	1.3 %
Magnesium (Mg)	0.32 %
Sodium (Na)	2.63 %
Chlorine (Cl)	2 %
Copper (Cu)	5.65 mg/kg
Iron (Fe)	541 mg/kg
Manganese (Mn)	62.6 mg/kg
Zinc (Zn)	20.9 mg/kg
Silicon (Si)	421 mg/kg
Molybdenium (Mo)	0.96 mg/kg
Boron (B)	7.45 mg/kg

\* **Organic origin, this can cause a deviation up to 10-15% between different lots.**

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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## INGREDIENTS

Contains 100% Sugarcane extract.

## FREE AMINO ACID PROFILE

L- $\alpha$ -amino acid / g/kg product			
Alanine	10,9 g/kg	Leucine	3,4 g/kg
Arginine	1,9 g/kg	Lysine	1,2 g/kg
Aspartic acid	10,3 g/kg	Methionine	0,5 g/kg
Cysteine	0,5 g/kg	Phenylalanine	2,2 g/kg
Glutamic acid	63 g/kg	Proline	2,2 g/kg
Glycine	3,4 g/kg	Serine	0,7 g/kg
Histidine	1,4 g/kg	Threonine	1,3 g/kg
Hydroxyproline	0 g/kg	Tyrosine	1 g/kg
iso-Leucine	1,1 g/kg	Valine	2,9 g/kg

## 3/ COMPATIBILITY

Organic NPK 11-0-5 can be used in combination with most of SICO's organic fertilizers, bacterial products, mycorrhiza products and plant enhancers. Application of Naturactiv Fulvic Master amplifies the effect of Organic NPK.

## 4/ USAGE RECOMMENDATIONS/APPLICATION

Dosage depends on the current conditions such as soil condition, climate, location, etc. Apply Organic NPK 11-0-5 under dry conditions and avoid remains of the product on the leaves. Application of Organic NPK 11-0-5 on the leaves, can cause burns in sensitive crops.

It can be spread with the aid of a granule and/or fertilizer spreader. The spreading chart is available on request, consult us for tailor made advice (in case of order only).

## APPLICATION ADVICE PER CROP

Crop	kg/ha
Grassland	225-275 kg/ha
Agriculture (maize/cereals)	250-325 kg/ha
Agriculture (root/tuber vegetables)	400-500 kg/ha
Fruit trees	300-450 kg/ha
Lettuce/vegetables	100-200 kg/ha
Greenhouse vegetables	50-250 kg/ha
Perennial crops	200-400 kg/ha
Greenhouse (cut flowers, soil bound)	100-120 gr/m <sup>2</sup>
Potting soil (mixing)	1.5 - 3 kg/m <sup>3</sup>

\* The exact dosage depends on local soil & weather conditions

## 5/ STORAGE

Store in closed bags. The product must be stored in a dry, frost-free place, away from direct sunlight.

Shelf life: 3 years minimum, if properly stored.

## 6/ HEALTH AND SAFETY INFORMATION

Not for consumption. Wash hands after handling the product. In the case of an accident or if you feel unwell, seek medical assistance.

KEEP OUT OF REACH OF CHILDREN

## 7/ PACKAGING

- in 25 kg bags, 852 x 25 kg loose stowed = 21,300 kgs net/20'
- or 21 pallet spaces of 50 x 25 kg bags (1250 kgs) = 26,250 kgs net/40'
- in 900 kg big bags

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