



PRODUCT INFO
& DATASHEET

NATURACTIV® (or SICORGAN®) LIQUID ORGANIC FERTILISER **NPK 7.2.2 (50.9% OM) + 21% Amino Acids** **- Made in E.U. -**

04/2021

1/ INTRODUCTION

* **Sicorgan-L NPK 7.2.2** can be applied to all kind of crops, it is extremely effective for plants during fast vegetative growth.

Sicorgan-L NPK 7.2.2 contains a sophisticated combination of fast and slow release nitrogen. This enables the liquid fertiliser to stimulate the plants health and soil life for more than three weeks. The product contains macro and micro elements, as well as amino and humic acids. It can be applied through drip irrigation canal and drip irrigation but the most effective way to apply this fertiliser is foliar application.

*** Benefits**

- Total package of all micro-nutrients
- Provides the plant with adequate nitrogen during fast vegetative growing periods
- Less leaching of precious minerals
- Fast available nutrients
- Improves soil life
- Increased resistance and recovery to abiotic stress
- Stimulates vegetative growth without weakening the plants

*** Advice**

Sicorgan-L NPK 7.2.2 performs best when applied at the beginning or during crucial moments in the crop growth cycle. In periods when the plant requires high levels of nitrogen, this fertiliser is the best choice to provide the plant some extra energy and boost the plant's growth. This product contains 13% free amino acids - that are easily absorbed by the plant and used as a nitrogen source. Amino acids are easily available and in contrast with inorganic N (NO₃) these amino acids can be used directly by the plant as building blocks for proteins.

It is advisable to use it in periods when the crop needs a boost, such as:

- at the beginning of the growth phase
- during crucial moments in the growth cycle

2/ PRODUCT SPECIFICATIONS

*** Certificate of Analysis**

Product :	Organic Fertiliser liquid
Shape :	liquid
Bulk density :	1.350 kg/m ³
Dry matter :	59.0 %
Moisture :	41.0 %
Organic matter :	50.90 %
Amino acids (total weight) :	19-21%
pH :	5.5 – 6.0
Nitrogen (N) :	6.8 %
Nitrogen nitrate (NO ₃ -N) :	<0.1 %
Nitrogen ammonium (NH ₄ -N) :	0.8 - 1.0%
Phosphate (P ₂ O ₅) :	2.2 %
Potassium (K ₂ O) :	2.0 %
Magnesium (Mg) :	0.2 %
Calcium (Ca) :	0.2 %
Sodium (Na ₂ O) :	1.1 %
Sulfur (S) :	1.7 %
Sulfur (SO ₃) :	4.3 %
Chlorine (Cl) :	0.41 %

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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Trace elements :

Iron (Fe) :	83 mg/kg
Zinc (Zn) :	38 mg/kg
Boron (B) :	18 mg/kg
Manganese (Mn) :	19 mg/kg
Copper (Cu) :	<5.0 mg/kg
Molybdeen(Mo) :	<5.0 mg/kg

Because of its natural origin, NPK values can vary up to 15%

Aminogram Sicorgan-L NPK 7.2.2 +21% Amino Acids

Alanine	15.4	Leucine	<0,5
Algrinine	1	Lysine	0.7
Aspartic acid	22.9	Methionine	<0.5
Cystine	<0.5	Phenylalanine	<0.5
Glutamine	50	Proline	29.7
Glycine	0.7	Serine	0.9
Histidine	<0.5	Taurine	0.7
Hydroxyproline	<0.5	Tyrosine	0.5
Isoleucine	1.1	Valine	1.1

* Plant absorbable Amino Acid ** Unit: g/kg

3/ APPLICATION INSTRUCTIONS & USAGE RECOMMENDATIONS

*** Application**

Foliar application of **Sicorgan-L NPK 7.2.2** has the fastest effect on the crop. The nitrogen is easily absorbed by the leaves and the trace minerals are also readily available to the plant. This effect strengthens the plant. In the soil these minerals could be trapped and made inactive by soil particles, however, when foliar applied they are directly available to the plant during key growth period.

This liquid fertiliser can also be applied through drip irrigation and it will not block inline filters. Providing plants with nutrients through drip irrigation will increase the plants performance and yield. Nutrient delivery by drip irrigation increase nutrient uptake efficiency (compared to solid fertiliser). Nutrients are directly available in the active root zone of the plants and quickly absorbed by the plant. This limits leaching of mobile nutrients like N and K but also enhances availability of less mobile nutrients like P. The nitrogen in this fertiliser contains fast available N and slower released N making it useful for a longer period in the soil both feeding the plant and essential soil organisms. Apply product within 4-6 hours after preparation and clean the spraying tank before and after application. It is compatible with most commonly used fertilisers, sulfur based products, alkaline products or oiled based products.

*** Recommendations for use**

CROP	DOSAGE	APPLICATION TIME	BIOLOGICAL EFFECT
Forage	Foliar: 1-2 l/ha	Every 3-4 weeks	Shorter growth cycles, root recovery and increased biomass
Cereals	Foliar: 1-2 l/ha	During important growth stages, i.e. booting, flower set, before/during stress moments	Increased resistance for abiotic stress, enhanced growth in spring and increased effectiveness of pesticides
Seedlings	Foliar: 1-2 l/ha Drip: 2 l/ha	Every 14 days until transplanting	Healthier plants and better root development
Potatoes	Foliar: 3 l/ha Drip: 3-5 l/ha	Start when the plants are approx. 15 cm high and repeat every 20-25 days	Increased productivity and a more even tuber size
Vegetables & berries	Foliar: 2-3 l/ha Drip: 3-6 l/ha	Just after planting the seedlings, again after 7 days and then repeat every 15-20 days prior to fruiting	Increased flowering and fruit setting and a more uniform crop in early production
Fruits	Foliar: 2-3 l/ha Drip: 3-6 l/ha	Every 15-20 days, starting before flower setting	Increased flower setting, fruit calibre and weight and an improved absorption of deficiency correctors
Ornamental plants	Foliar: 2-3 l/ha Drip: 3-5 l/ha	Every 14 days	Increased sturdiness and improved leaf and flower colour
Grapes	Foliar: 2-3 l/ha Drip: 3-6 l/ha	Apply during flowering, after flowering and at the beginning of fruit growth	Boost vegetative crop growth without weakening the plants. Improved leaf and flower color, fruit uniformity and sugar content

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4/ TRANSPORT & STORAGE

Store the product dry, frost-free and out of direct sunlight. During big and/or sudden temperature changes, crystals may form.

This product does not contain preservatives, this can cause instability during (long-term) storage. Shake or stir before use to prevent thickening.

5/ HEALTH AND SAFETY INFORMATION

Not intended for ingestion. Wash hands after use. Wear protective clothing while using this product. In case of accident or if you feel unwell, seek medical advice.

KEEP OUT OF REACH OF CHILDREN

5/ PACKINGS

* In a 20ft container we have 10 (floor) pallet spaces

- 1 ltr bottles, 720 bottles per pallet x 10 = 7,200 ltr/20' container
- 5 ltr jerrycans, 252 jerrycans = 1,260 ltr per pallet x 10 = 12,600 ltr/20' container
- 20 ltr jerrycans, 34 jerrycans = 680 ltr per pallet x 10 = 6,800 ltr/20' container
- 1000 ltr IBC x 10 = 10,000 ltr/20' container

* If in 40ft container we have 21 (floor) pallet spaces

* On a standard truck we have 24 (floor) pallet spaces

Always of course limited by max. allowed gross payload of the chain transport system (density: 1 ltr = 1.35 kg)