



**PRODUCT INFO
& DATASHEET**

SICORGAN NPK 4.3.3 + 1 MgO (68 OM)
Organic fertiliser & soil conditioner in 4-5 mm granules
Pure dehydrated poultry manure - Ideal for mechanical spreading
Cheapest granulated (pelleted) 100% natural fertiliser
For the cultivation of any type of plant
- Made in Belgium -

1/ INTRODUCTION

SICORGAN is an organic fertiliser granulated (pellet) (4-5 mm) made exclusively from dehydrated poultry manure. The fertiliser is an ecologically and hygienically responsible product. The special fermentation and drying process ensures that any germs and seeds that may be present are killed. The raw materials for SICORGAN are supplied by selected companies that satisfy strict requirements of hygiene and quality. In the ultra-modern factory, the sophisticated production process is continuously checked and monitored. **SICORGAN is an ecologically and hygienically sound fertiliser pellet.** The organic material consists primarily of humic acid structures that release the minerals present in the soil. As a result, minerals become available gradually for absorption by the roots of plants.

Correct fertilisation with SICORGAN prevents symptoms of deficiency in the crops during the growing season. This positive effect of SICORGAN means a considerable saving in mineral fertilisers. Less use of mineral fertilisers is also good for the environment and prevents alkalisation of the agricultural land.

Besides these benefits, the use of SICORGAN leads to an increase in the microbiological activity in the soil.

The organic substances in SICORGAN are broken down by the soil life into humic acids and amino acids. This process requires oxygen and therefore attracts air, so that the agricultural soil becomes airier and spongier. Air in the soil is just as important for plants as water and minerals. Spongy soil also prevents suffocation of the roots.

- Our SICORGAN® products:**
- are ideal for well balanced agriculture
 - have high concentration of organic elements
 - are easily absorbed in the soil, stimulating root formation
 - will develop the biodiversity in your soils !

2/ GENERAL FEATURES & BENEFITS OF OUR SICORGAN® ORGANIC FERTILISERS

- Pasteurisation according to European standard 1069/2009
- Source of highly needed quality humus
- Homogeneous and stable thanks to very modern drying technology
- Traceability thanks to controlled production process
- Stimulate activity of micro-organisms in your soils
- Contain natural essential trace elements: Fe, Mn, B, Mo, Zn, Cu

3/ PRODUCT COMPOSITION & CALCULATED AVERAGE ANALYSIS

		<u>SICORGAN organic NPK 4.3.3 + 1 MgO</u>	
		<u>contains all trace elements:</u>	
Dry matter	88% min.	Iron	(Fe) 1200 mg/kg
Humidity	12% max.	Manganese	(Mn) 480 mg/kg
Organic matter (OM)	68%	Zinc	(Zn) 420 mg/kg
Total Nitrogen (N)	4%	Copper	(Cu) 110 mg/kg
Organic N	3.8%	Boron	(B) 46 mg/kg
Ammoniacal-N (N-NH ₄)	0.2%	Molybdenum	(Mo) 12 mg/kg
Phosphate (P ₂ O ₅)	3%	Cobalt	(Co) N/A
Potassium (K ₂ O)	3%		

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Calcium (CaO)	9%	<u>Other characteristics</u>	
Magnesium (MgO)	1%	Humic Acids (HA)	6.4%
Sulphate (SO ₄)	1%	Fulvic Acids (FA)	16.2%
Sodium (Na ₂ O)	0.5% max.	C/N	±10
Chlorine (Cl)	0.5% max.		
pH (10% solution)	6.7		
Density	+/- 725-800 kg/m ³		
Pellet diameter: 4-5 mm (ideal for mechanical spreading)			

4/ PRODUCT CHARACTERISTICS

SICORGAN has a low C/N ratio. This means that they free nitrogen when soil microorganisms decompose the organic material. The soil organisms will also decompose organic material with a high C/N ratio. Decomposing or mineralization depends on temperature, moisture and aeration of the soil. When temperature runs up in spring, mineralization will speed up when plant grows. When you apply SICORGAN, nitrogen will be available at this moment because of the mineralising of the product. **When an ordinary organic fertiliser is used, plant growth will be negatively affected by low nitrogen availability.**

Microorganisms demanding air from outside will decompose the organic material in SICORGAN. This will aerate the soil and stimulate root activity. Organic material is also important for moisture holding in the soil and will prevent erosion. **SICORGAN absorbs 3 times its weight in moisture while the pellet will break down.** Farmers have noticed this when they apply the product localised filling a hole. After the growing season a network of roots is observed in the place where they brought in SICORGAN. This is also the best way to show that SICORGAN does not burn the roots.

5/ APPLICATIONS – Recommended quantities per hectare

These recommendations are indicative only as also the type of soil is important. **As SICORGAN is an excellent basic fertiliser it can always be used as it is a structural improvement of the soil and the plant!**

Tomatoes:	1000 – 1500 kg*	Lettuce:	1000 – 1250 kg
Cucumbers:	1000 – 1500 kg*	Leek:	1250 – 1750 kg
Sweet peppers:	1000 – 1500 kg*	Asparagus:	1500 – 2000 kg
Egg plants:	1000 – 1500 kg*	Strawberries:	2000 – 3000 kg
Cabbage:	1250 – 1750 kg	(Water)Melons:	1250 – 1750 kg
Vineyards:	300 – 500 gr/vine max. 1750 kg	Citrus: (in production)	1500 – 2000 kg
Wheat & maize	1000 – 1500 kg	Wheat & maize (corn):	1000 – 1500 kg
Tobacco-plant:	1250 – 1500 kg	Cereals:	1000 kg/ha on stubbles when preparing the soil
Carrots:	1000 – 1250 kg	Fodder crops:	1000 – 1500 kg/ha when preparing the soil
Potatoes:	750 – 3000 kg	Lawns & Golf pitches:	1250 – 1500 kg/ha, twice per year depending on organic materials requirement
Flowers (greenhouse):	60 – 120 g/sqm	Chilli:	1250 – 1500 kg/ha*
Olive & Fruit trees & Banana:	2 – 5 kg/tree & plant		
Palm trees & Ornamental trees:	(max. 1750 kg)		
Floral crops:	2000 - 3000 kg		
(Roses, gladioli, tulips)			
Rice	+/- 500 kg/ha. Use also 50 kg/ha Urea 46% N		

* Use double these quantities in greenhouses.

Above mentioned, figures are indications only for basal fertilisation. The optimal dosage depends on local conditions as type of soil, water availability etc. In most cases additional chemical fertilisers are required to meet total nutrient demand of the plants. For further information contact your local agricultural adviser. The effect of fertilisers is bigger if applied locally. If the crop is placed on or in a ridge you can spread SICORGAN on the land before forming the ridges. SICORGAN is an excellent fertiliser to use at drip irrigation. In that case you put a certain quantity under or around the drip opening. In meadows SICORGAN can be utilised by spreading out the product during spring and after summer.

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6/ SYNOPSIS – Great value for small investment

Fertiliser value:

- Complete basic fertiliser, contains organic material and all minerals and trace elements for optimal crop yield.
- Organic N and P act as slow release fertiliser, which do not wash out minerals.
- Increased availability of minerals and trace elements through complexity by organic compounds.
- Combination of basic organic and top mineral fertilisers results in highest yields.

Source of organic matter:

- Homogeneous and constant quality
- High organic matter content
- Low C/N prevents temporary N-immobilization

Transport and storage:

- Low moisture content enables long-term storage under appropriate conditions without significant effect on product quality.

Soil quality and environment:

- Improves soil structure
- Increases water holding capacity of soil
- Reduces leaching of nutrients
- Stimulates soil micro organisms
- Free from weed seeds and pathogens
- 100% natural product

Advantages for application:

- Easy to use
- Clean and hygienic
- Hardly any dust content
- Pellet breaks rapidly down
- Packed in nice strong plastic bags



7/ GUARANTEED QUALITY & SAFETY

Our products are pasteurized in accordance with the European standard 1069/2009. That means that the final product has gone through heat treatment (= hygienization) for at least 60 minutes with a minimum temperature of 70° Celcius. This treatment suppresses spore formations (clostridium perfringens), toxin formation (salmonella) and weed germination and as such results in a fertilizer which is free from bacteria, germs and weed seeds.

8/ PACKING

In 25 kg net multicolor SICORGAN polyethylene (pe) bags (with product info -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).

Product is free from sand and soil and seed weeds. Product is free from pathogenic vegetative bacteria, coccidia helminths and viruses, Foot-and Mouth Disease, Fowl Cholera, Fowl Pest, Avian Influenza and New-Castle Disease. Salmonella is not present in the product.

After processing the product has not been exposed to contamination.

Attention. As this is a 100% natural product there may be analysis deviations between different production batches that can go up to +/- 10-15%.

Methods of sampling and of analysis and tolerances allowed as per E.C. regulations.

Attention: this is a natural product and there can be deviations in the chemical analysis from batch to batch.

Our SICORGAN organic NPK's are approved by Control Union Certifications standards on Inputs (based on EEC 834/2007 and 889/2008). Certificate No. C829772INP-03.2019. Registration No. CU829772, ECOCERT, FiBL, OMRI listed.

**SICO ORGANIC FERTILISERS
YOUR INDISPENSABLE GROWTH SUPPORT**