sonar agro

Field Crops

FERTILIZER

CE

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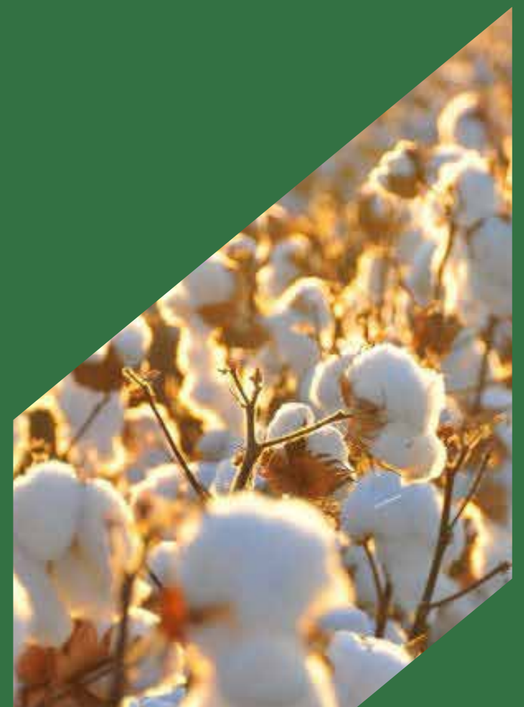

Presentation

Field Crops

Sonaragro in its aim to offer our customers the latest technology in plant nutrition for extensive crops presents the new range of **field crops** products.

Sonaragro starts this new process by presenting products belonging to the following categories:

- PROTECTORS
- MACRONUTRIENTS
- MICRONUTRIENTS
- SEED ACTION
- pH REGULATORS / SURFACTANTS

High technology in fertilization improves human nutrition

The possibility of formulations, equilibria and combinations with microelements, organic matter and inhibitors of nitrification and urease is very high with respect to the solid complexes, which allows much better its adaptation to the soil and phenological situations of the plant.

Origin

Field Crops

Average fertilizer productivity, as measured by the amount of product obtained per kilogram of fertilizer nutrient, varies considerably, reflecting factors such as differences in agro-ecological resources (soil, terrain and climate) and economic incentives. Fertilizer productivity is related to soil moisture availability and, hence, to irrigation.

Where used correctly, the increase in the solar energy captured by the biomass as a result of the application of fertilizers represents several times the quantity of energy used to produce, transport and spread them.

In developed countries, there has been a marked improvement in the efficiency of fertilizer use. However [...]is often inefficient.

In general, in developed countries, there has been a marked improvement in the efficiency of fertilizer use. However, in developing countries, fertilizer use is often inefficient. For example, in the case of rice, the N losses are more than half of the quantity applied. This is not only an environmental hazard but also a substantial economic loss.

The farmers require simple and sustainable techniques. Fertilizer-use recommendations need to change with new developments, such as new varieties or better methods for assessing crop requirements.

sonar agro **Field Crops**

Products

With Field Crops range we will obtain healthier extensive crops and enhance yield and quality

XCrop Spur

Composition	%w/w
Magnesium (MgO)	12,0
Iron (Fe)	3,2
Manganese (Mn)	0,5
Zinc (Zn)	1,0
Total Nitrogen (N)	8,5

XSilic

Composition	%w/w
Silicon (SiO_2)	18,0
Calcium (CaO)	13,5
Magnesium (MgO)	5,5
Density	1,3
pH	5-6

XN21

Composition	%w/v
Total Nitrogen (N)	21,0
DCD (Dicyanamide)	0,8
pH (1% water solution 20ºC)	6-7
Density (g/cm^3 at 20ºC)	1,16

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XCrop Spur

Special for field crops

- Efficient nutrient uptake
- Improves plant growth/vigor, increases flowering and fruiting
- Increased retention of flowers and fruits
- Increases resistance and helps overcome stress conditions
- A long-lasting effect

Composition	%w/w
Magnesium (MgO)	12,0
Iron (Fe)	3,2
Manganese (Mn)	0,5
Zinc (Zn)	1,0
Total Nitrogen (N)	8,5

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YIELD + QUALITY

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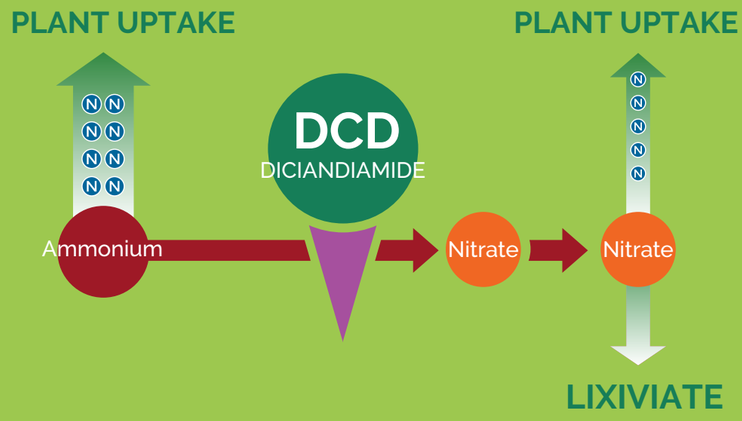
XN21

Special for field crops

- Promotes growth and vegetative development and increased production
- Rapid and prolonged nitrogen supply
- Revitalizing and stimulating

NITRIFICATION INHIBITORY PROCESS



Nitrogen solution with Dyciandiamide

Composition	%w/v
Total Nitrogen (N)	21,0
DCD (Dicyanamide)	0,8
pH (1% water solution 20°C)	6-7
Density (g/cm³ at 20°C)	1,16

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DCD
Nitrification
Inhibitor
Fertilizer

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XSilic

Special for field crops

Biological stress benefits

IN SOIL	IN PLANT	
	PHYSIOLOGICAL	MECHANICAL
	Increase resistance to pathogens and insects	
		Increase resistance to strong wind and rain
	Alleviate drought	
	Alleviate salt stress	
Alleviate P deficiency		
	Improve K, P, Ca uptake	
	Reduce uptake of nutrients (P,N) in excess	
Alleviate Fe toxicity		
Alleviate Mn, Cd and As toxicity		
Alleviate Al and Zn toxicity		

Silicon and Calcium Magnesium fertilizer

Composition	%w/w
Silicon (SiO_2)	18,0
Calcium (CaO)	13,5
Magnesium (MgO)	5,5
Density	1,3
pH	5-6

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