



# CEREALSPRINTER®

## FOR AUTUMN WINTER STRAW CEREALS AND INDUSTRIAL SUMMER CROPS

**PACKAGING** 1Kg Bottle 1250 Kg tanks  
6 Kg cans  
25 Kg cans  
250 Kg drums

TOTAL  
AMINO ACIDS  
**25%**

100%  
WATER  
SOLUBLE



**CEREALSPRINTER®** is a preparation for foliar use by means of spray bars. For autumn-winter straw cereals and summer crops such as rice, maize, sunflowers and soya beans.

**The main action is to provide nitrogenous nourishment and vegetative stimulation during the most important phenological stages of the growth cycle.**

Can be mixed with pesticides and weed killers (as long as they do not have a strong acid reaction) to substitute the "wetting agents" in order to prevent- assist possible effects of plant stress caused by aggressive mixes. Such mixes must be made only immediately before sowing in the field.

**There are three types of nitrogen that provide nourishment:**

- 1) Punctual nourishment provided by urea nitrogen.
- 2) Gradual and persistent nourishment in the days following treatment provided by condensed nitrogen.
- 3) Energetic stimulating function performed by organic nitrogen (amino acids).

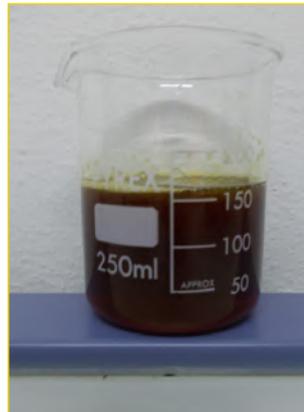
**CEREALSPRINTER®** is a liquid preparation whose characteristics ensure stability over time. It does not create sediment or coagulate; it persists in its original state even when stored for a number of months (in ideal storage conditions).

**CEREALSPRINTER®** used as is does not require special attention any different from that paid to ordinary professional farming products. However, if mixed with phytochemicals the prescriptions for such preparations must be observed.

Acts at a minimum temperature of 13-14°C; treatment during summer must be carried out at the coolest time of day (not during the hours of strong sunlight).

It is mainly used on the leaves, but the part that falls to the ground is not wasted, as it is absorbed by the plant's roots.

Can also be mixed with hydrosoluble salts if it is to be included in an overall nourishment plan.



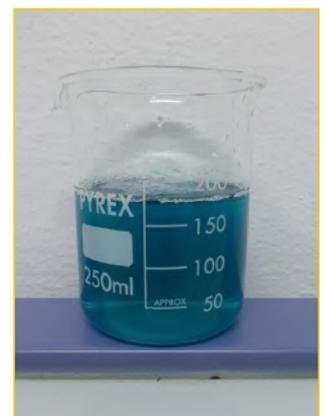
CEREALSPRINTER®



CEREALSPRINTER®  
diluted 500g/100l H<sub>2</sub>O



CEREALSPRINTER®  
in solution with 500g  
wetttable sulphur



CEREALSPRINTER®  
in solution with 1kg copper  
sulphate

### PREPARING A NUTRITIONAL MIX

- 1) First pour water into the mixing tank.
- 2) Slowly and gradually pour CEREALSPRINTER® into the tank (see back of info card for doses).
- 3) Stir to make a smooth mix.  
At this stage mineral salts or pesticides can be added in the recommended doses.
- 4) **Attention:** the organic-mineral nature of the product may produce a "foam effect". This can be eliminated with a special anti-foaming agent or by slowing down the mixing operation.
- 5) Use special nozzles to spray the leaves; we recommend using all the mix so that sediment is not formed by any solution left in the tank.

## AVERAGE CONTENTS OF PREPARATION AS IS

Total nitrogen (N)	18%
Organic nitrogen (N)	4%
Urea nitrogen (N)	5,8%
Nitrogen (N) from urea condensed with aldehydes (formurea)	8,2%
Organic carbon (C)	12%

**Raw Materials:** hydrolysed animal epithelium + urea and condensed nitrogen

Specific weight	1,2 kg/l
Solids	63% (organic + mineral)
pH	7 - 7,5
Salinity	15 dS/m
Total amino acids	25% on product as is
Free amino acids	5% of total on product as is
Colour of product as is:	brown

**N.B.:** Contains no biuret = biuret is a molecule formed by condensation of two molecules of urea. It can be toxic for roots = when > 1% distributed; and for leaves = when > 0.30% distributed. There is no free formaldehyde, as it is reacted with plain urea.

## DOSES AND APPLICATION METHOD FOR CROPS

In all cases mentioned below dilution is approximately 300-500 g/100l water.

### STRAW CEREALS (common and durum wheat, barley, oats and triticale)



Using **CEREALSPRINTER®** is recommended at different times in the phenological stages:

**1)** Possible treatment at the tillering-stem elongation stage for the purpose of allowing the crops to start growing again after cold and rainy spells in winter. It also helps plants to withstand ear differentiation occurring at the base of the culm before it begins to elongate. In this case the function is NUTRITIONAL. If a single session is required, doses may vary from 25kg to 50kg/hectare/treatment, according to the condition of the soil and the foliar canopy. 4.5 to 9 kg of nitrogenated units respectively are delivered.

**2)** Otherwise **CEREALSPRINTER®** can be used mixed with weed killers in spring and with fungicides in April-May. In such cases doses are reduced to 6-8 kg/hectare/treatment.

Here the action is synergic: CARRIER-ANTISTRESS-NUTRITIONAL

**3)** At the booting- earing stage. Also here to "target" help in one of the most important periods of growth. In this case doses may vary from 6 to 10kg per treatment according to the condition of the crop. The action is mainly NUTRITIONAL

### RICE



For rice **CEREALSPRINTER®** is mainly used mixed with phytochemicals (instead of wetting agents), acting as an ANTISTRESS because treatment is often aggressive (given the watery environment) and the plant needs a tonic. Also used mixed with fungicides to combat *pyricularia oryzae* (blast or rotten neck) in July. Doses vary from 7-10kg/hectare/treatment.

### MAIZE-SUNFLOWERS



**CEREALSPRINTER®** can be used at two different phenological stages:

**1)** At the 5-6th leaf stage, as proper foliar fertiliser (when it falls to the ground it is in any case absorbed by the roots) in a difficult growth "starting" situation (sown on damp terrain or late) in order to render growth homogeneous. Recommended doses go from 30 to 60kg/hectares/treatment, delivering approximately 5-11 nitrogenated units.

**2)** At post-flowering, at the beginning of the ripening stage, to sustain this important kernel filling stage. Recommended doses are approximately 15-20kg/hectares/treatment

### SOYA BEANS



As soya beans are part of the leguminous family of plants they do not require large quantities of nitrogen for their vegetative cycle. The application of **CEREALSPRINTER®** therefore depends on the situation in the field and is restricted to three periods to deliver targeted nitrogen nutrition:

**1)** At the 6-7th leaf stage, to assist the crops in the event of stress related to temperature changes, or sowing in difficult conditions (damp terrain, sowing on unploughed ground for second harvest). Also here the product that falls to the ground will be absorbed by the roots. Doses vary a great deal according to whether fertilisers were used during sowing.

NP: 20 to 60kg/hectare/treatment

**3)** At the filling and ripening stage, to increase average pod weight. Also here doses may vary from 12 to 20kg/hectare/treatment. Must be calculated according to the general condition of the crops and the overall fertilisation plan.

### Safety indications:

- **CEREALSPRINTER®** does not require any "hazard" indication, nor do the raw materials used in its formulation.

In addition, it comes with a Safety Sheet which shows the normal warnings regarding care and behaviour

- Use according to "good agricultural practice"

- The product is stable at ordinary temperatures and pressure

- Keep at a temperature of 4°C to 25°C

- The product is not combustible

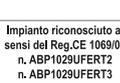
**The above mentioned doses are indicative and may change according to climatic characteristics of each area (fertility: physical and biological; rainfall and temperature). Also, they should be included in the entire fertilization plan.**

Product should not be in contact with plant's roots. The product is for professional use only.  
Keep out of reach of children and animals

Keep in a sheltered dry place.



The analytical data written on packaging follow the instruction of the regulation in force. All data included in this publication are indicative. FOMET reserves the right to change them without prior notice.



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