

# GROSTART CEREALI NP

## 10-40




### STARTER EFFECT SLOW-RELEASE NITROGEN

GROSTART CEREALI NP 10-40 is a microgranular fertilizer (1,5 - 2,2 mm) with a "starter" effect, to be localized at sowing/transplanting. It promotes root development, plant vigor and the anticipation of phenological phases, by stimulating the germination process and helping to overcome transplanting stress. The nitrogen present, inhibited with dicyandiamide (DCD, nitrification inhibitor), is gradually transformed into the nitric form, supporting the development of the plant for a prolonged period even after emergence from the ground. The formula is completed with important microelements, useful for preventing deficiencies and counteracting antagonism phenomena. In particular, the presence of Zinc makes GROSTART CEREALI NP 10-40 to act as a biostimulant in auxin metabolism, which guarantees the primary roots to immediately benefit from phosphorus, necessary for fast and abundant adventitious root growth.

The efficacy of the product is improved by the microgranular formulation obtained through compaction, a dry granulation process borrowed from the pharmaceutical industry that uses mechanical compression to agglomerate the particles of the raw materials. This allows for microgranules to be obtained without adding solvents, which can have a negative impact on the final solubility of the product. The compacted microgranule is characterized by easy and fast disintegration, ensuring a rapid assimilation of nutrients by the roots.

| CROP         | TIME OF APPLICATION | DOSE/HECTARE* |
|--------------|---------------------|---------------|
| Cereal crops | Localized at sowing | 25-50 kg      |

| COMPOSITION  |        |
|--|--------|
| Total nitrogen (N)   | 10.00% |
| Ammoniacal nitrogen (N)  | 10.00% |
| Inhibitor content as a mass percentage of the total nitrogen   | 2.50%  |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) total  | 40.00% |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in water                                 | 36.00% |
| Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate and in water | 40.00% |
| Copper (Cu) total  | 0.08%  |
| Iron (Fe) total  | 0.50%  |
| Zinc (Zn) total  | 0.10%  |

| PHYSICO-CHEMICAL FEATURES                    |  |   |   |
|--|--|---|---|
| <b>MICROGRANULE</b>                          |  |   |   |
| Density (g/cm <sup>3</sup> )/Specific weight |  | 0.90  |   |
| Granulometry (mm)                            |  | 1.5-2.2   |   |
| <b>METHOD OF USE</b>                         |  |  |  |
|  | Cover fertilization  | Pre-sowing fertilization  | Fertilizers for compost integration   |

**PACKAGING: 25 KG - PALLET 1000 KG, BIG BAG 4 X 250 KG**