

CALCIUM STAR

TOP DRESSING GRANULAR INORGANIC NITROGEN FERTILIZER WITH CALCIUM
ENRICHED WITH TRACE ELEMENTS & CONTROLLED RELEASE FACTORS

Ca

30-0-0 + 6CaO + T.E.

for Acidic Soils

It has the ability to **neutralize soil acidity** which can cause adverse effects on many crops and also toxicities in general.

for Alkaline Soils

The poor physical properties of alkaline soils are due to the exchangeable Sodium. This product can **replace Sodium with Calcium**. The divalent Ca ion takes Sodium places into the soil molecules and then Sodium exits completely out of the system with the waters of drainage.

for soils suffering from calcium deficiency

CALCIUM STAR supplies the soil with a high content of calcium (CaCO₃ 10% - CaO 6%) to cover all soil's and plant's needs (even the most demanding).

IDENTITY OF CALCIUM STAR AND CRF

This fertilizer contains NITROGEN into Nitric and Ammoniac form. This fertilizer is Controlled Release, **due to NITRIFICATION INHIBITORS** it contains and its "**CONTROLLED RELEASE (CRF)**" Technology. The inhibitors intercept the action of nitrating microorganisms (nitrosomonas, nitrobacter) and thus nitrification of nitrogen is **prolonged** from 2-14 days in common Nitrogen fertilizers (at temperatures of 12-16 °C), **to over 60 days**. In this way, **it covers with nitrogen the crucial period of growth and fruiting of plants**.

CALCIUM STAR VS NITROGEN FERTILIZERS

CALCIUM STAR, compared to ordinary top dressing Nitrogen fertilizers, outperforms in three key areas:

- ✓ **Offers not only Nitrogen but also Calcium and Trace elements** (according to Reg.2003/2003E.C.: B,Co,Cu,Fe,Mn,Mo,Zn) which are essential for the proper growth of all crops.
- ✓ **Provides plants with the Nitrogen they need by a stable NITROGEN offer curve** so that they do not face nitrogen deficiency but at the same time, they are not exposed to high nitrification peaks that have as a result undesirable overgrowths.
- ✓ **Required in smaller quantities** as it is **FULLY ASSIMILABLE** by its **CONTROLLED RELEASE SYSTEM**. Thus, it is 100% assimilable by the plants and **not 50% rinsed as conventional nitrogen fertilizers do**.

APPLICATION

Application during fruit setting, or during the first stages of Calcium's or Nitrogen's deficiency.

DOSAGE

General dosage: **50-200 kg / hectare (5-20 kg/1000 m²)**

The exact amount of application is determined based on soil's or crop's deficiencies, on the planned applications of other Nitrogen fertilizers and on the crop's stage.