

WOPROFERT

Calcium Ammonium Nitrate 27 % N.

Calcium Ammonium Nitrate or CAN contains 27 % N and 20 % of ground limestone, The main components nitrate and ammonium are present in an ideal ratio and make CAN an affordable fertilizer for healthy plant growth in agriculture and horticulture, it supplies nitrogen to plants in a balanced and secure manner. At the same time, the combination of ammonium nitrogen and nitrate nitrogen makes CAN a special product with neutral chemistry (pH) which can be applied universally and is suitable for all crops, all seasons, soils and locations, It is suitable for multiple methods of application; by drill, broadcast or through fertigation.

The advantages of Calcium Ammonium Nitrate

This product is universal – it can be applied in the case of all types of crops, regardless of the application period (before sowing, for top dressing).

CAN contains calcium and magnesium which improve the efficiency of absorbing nitrogen by the plants' roots and reduce nitrogen losses, thus making fertilization more profitable; it also protects subsoil waters against pollution by nitrogen compounds. It can lengthen the florescence, promote the root, stem & leaf to grow normally. Ensuring the colour of the fruit is bright and the fruit candy can be increased.

Calcium Ammonium Nitrate can be considered as near-neutral in its effect on soil pH and therefore can be used on soils that have a low pH without lowering further.

This product can be used on perennial fruit crops (where soil incorporation of lime is difficult)

CAN is a nitrogen fertilizer which contains equal parts of fast acting nitrate-nitrogen and longer lasting ammonium-nitrogen.

Volatilization of nitrogen from CAN is negligible, therefore the timing of the applications is flexible.

Application

The composition of readily available nitrate nitrogen and reserved N (nitrate available after its conversion from ammonium nitrogen) is optimal for providing all crops with targeted nutrition.

The nitrate nitrogen that is available immediately after the application and absorbed in water is taken up directly by the plant and nutrient losses are almost eliminated.

CAN is a hygroscopic product and needs very low moisture to be absorbed by the plants. It is equally effective in water stressed areas where soil has low moisture.

The Calcium and Sulfur available in CAN is also helpful in soil reclamation.

Reccomentations

Calcium Ammonium Nitrate can be applied in base dressings and side dressings, but the actual rates will depend on the farm type, the region and the season. It is most beneficial however when split applied (where possible) on a 4 - 6 weekly basis to ensure a continuous nitrogen supply. Actual spreading rates will vary according to farm type, climate, productivity, soil type and crop type. Soil testing and fertilizer plans are available to ensure you use the right product at the correct rate.

Source general information on this product:

