

# Potato

## The fertilization of the potato

The potato belongs to the Solanaceae family and is used both for fresh consumption and industrial processing. For its optimal cultivation it needs structured, fresh, deep and not excessively solid soils with plenty of **humified organic matter**. Like all solanaceae it has major nutritional needs, starting with **potassium**, necessary to obtain a good-quality production, good conservation and storage capacity to enable consumption far from the harvest.

## Pre-seeding fertilization

At pre-sowing, the most complete and suitable fertilizer is **DIABLO S**, organo-mineral fertilizer **NPK (Ca-S) (9-12-18) (8-15)** with **potassium sulphate, sulfur, calcium** and some microelements. The formulation with high quality raw materials along with the organic highly humified matrix, increases the fertilizer's efficiency.

In addition to nitrogen, DIABLO S has a high content of **phosphorus and potassium** which is present in the most assimilable and valuable form of **potassium sulphate**, necessary for the plant productivity. The fertilizer contains: **sulfur**, present in the most suitable form to achieve protein synthesis and plant development; **calcium**, which is important for the formation and texture of cellular membranes and whose correct concentration in the plant is directly related to the greater resistance and preservation of the tubers; **boron**, a microelement which is involved in the transmission of sugars from the leaves to the reserve organs, to allow a better accumulation of starch and greater dimension of the bulbs; **iron**, contributing to photosynthetic processes by optimizing the synthesis of sugars by the foliar apparatus; **zinc**, important for the enzymatic processes involved in the production of auxins and other phytohormones that are responsible for the correct growth of the plant.



## Fertilization during the cultural cycle

The remaining amount of nitrogen necessary for the crop to support the vegetative activity can be added during the tamping phase with **SUPER AZOTEK N32 (S7)**, an organo-mineral nitrogen fertilizer with **sulfur**. Thanks to its content of **humified organic substance** and the presence of **three forms of nitrogen, with different degrees of release and mineralization** the product is able to meet the nitrogen needs of the potato until the end of the cycle.



# Potato

## Organic farming

In addition to SUPERSTALLATICO and MICROLIFE, UNIMER offers **ARMONY S**, an organo-mineral fertilizer **NPK (Mg-S) 4-8-10 (2-8)** with **low chlorine content**, containing **magnesium** and **sulfur** for pre-sowing fertilization. ARMONY is made from **natural components certified for organic farming** with a high content of **humified organic substance**.

To meet the further nitrogen needs of the crop, UNIMER also recommends the use of **ENDURANCE N8** with **iron and zinc**, an organic nitrogen fertilizer made from **high-quality protein meals** with gradual mineralization and nitrogen release times, allowing a complete absorption by the plant.

