

Water storage effect for drought

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Without Hybrid Innovation - **Standard**



With Hybrid Innovation - **Standard**
Soil moisture reserve

In a field test under conditions of unprecedented heat (>36°C) and extreme water scarcity in Germany in 2019, the following results were achieved applying the Hybrid Innovation - **Standard**:

- **Yield increase up to 25%**
- **Increase in protein up to 14.5%**
- **Increase in gluten up to 32%**

(Eurofins Agrosience Services-Group
Agrartest GmbH www.vup.de)



**Newly certified for the EU
since 2020**

Hybrid Innovation - Standard

Registration number: BAES-DMT-2020-0459-06

Hybrid Innovation - Extra

Registration number: BAES-DMT-2020-0456-06

Hybrid Innovation - Premium

Registration number: BAES-DMT-2020-0458-06



Soil improvers dry, granular on the basis of tripolite

European Patent Application:

20 186 721.5

Approved for use in the
European Union:

Individually approved according
to **§9 DMG 1994** under
Austrian law www.baes.gv.at



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For more information, please visit
our regional website

www.evin-rajskivrt.si

Nitrogen 0.4% min
Phosphorus in the form of P_2O_5 0,1% min
Potassium in the form of K_2O 1,0% min
Magnesium as MgO 1,5% min



Soil improvers dry, granular **Hybrid Innovation - Standard, - Extra, - Premium»** on the basis of tripolite with water storage effect for periods of drought

According to the results of the spring-summer tests 2019 in Germany, which were carried out under conditions of unprecedented heat in Central Europe (36 ° C and higher), the dry soil additive “Standard, Extra, Premium” has proven to be the most effectdiatomaceous earthive means of retaining humidity in the soil.

At the same time, the dry soil additive “Standard, Extra, Premium” ensured a 25% increase in yield under conditions of extreme water scarcity. Such results are achieved due to the efficient, loss-free use of nutrients by plants contained in the dry soil additive "Standard, Extra, Premium" and because of their direct placement in the root zone.

There is currently a progressive transition worldwide from conventional chemical fertilizers to the use of organic fertilizers and soil conditioners that do not harm nature and at the same time increase yield.

The dry, biologically pure soil additive “Standard, Extra, Premium” based on natural components is an ecologically harmless product.



Technical description

The dry soil additive «Standard, -Extra, -Premium» consists of the tripolite of sedimentary origin and contains potassium, phosphorus, a number of trace elements and amorphous silicon, which is necessary for the formation of the root system and stems of the plant.

During the production process, the soil is enriched with selected growth stimulators of natural origin (including humic acids, fulvic acids, amino acids, micro-elements, and vitamins and nitrogen in the form of urea <1%).

Reason for use

1. The product is not removed from the soil by the groundwater and remains in the upper layers of the soil after sowing. This means that all elements and growth regulators remain accessible to the crop plants. With traditional fertilizers, the loss amounts to around 70%.
2. The supply of the cultivated plants with nutrients during the entire vegetation period and an earlier ripening of the fruits through the deposition of humidity and trace elements on the roots of the plant is guaranteed.
3. Acid and loamy soils are enriched with oxygen.
4. The product binds heavy metals and prevents them from being absorbed by the plants.



Advantages of using natural ingredients from the soil additive «Standard, - Extra, - Premium»

1. Production of organic agricultural products under environmentally friendly conditions;
2. Increase in the yield of agricultural crops (cereals up to 25%, potatoes up to 40%, vegetables up to 60%);
3. Improvement of the quality of agricultural products (improvement of taste, increase of gluten in wheat, increase of sugar in sugar beet, preservation of vitamins in vegetables);
4. Increasing the efficiency of nutrient uptake, stimulating the growth and development of plants and at the same time slowing down the ripening time of the plant by 5-10 days;
5. Reduction of stress period during the application of chemical pesticides (after treatment with pesticides, the time of the suppression of plants is 7-10 days. When using the dry soil additive «Standard, Extra, Premium», this effect is reduced to only 1- 2 days);
6. Increasing the resistance to unfavorable environmental factors (temperature changes, drought, waterlogging, frost) by strengthening the root system and the immunity of the plants against bacterial and fungal diseases;
7. Strengthening the germination energy and favoring the germination of the seeds as well as ensuring the survival of plants.
8. Restoration of the humus layer and useful micro flora, increase of soil fertility and neutralization of the effects of products of technogenic pollution.

Soil improvers dry, granular «Standard»

Standard concentration of growth substances + concentration of nutrients

CEREALS AND LEGUMES: Wheat, rye, barley, oats, buckwheat, rice, peas, beans, lentils, maize (for seed production)

TECHNICAL CULTURES: Soybean, sugar beet, sugar cane, rapeseed, sunflower, cotton

VEGETABLES AND MELONS: Potatoes, tomatoes, cucumber, beetroot, cabbage, carrots, radishes, eggplant, zucchini, onion, garlic, watermelon, melon, pumpkins, pumpkin

FEED PLANTS: Maize (silage, green fodder), clover, alfalfa, cereal grasses (common ball grass, meadow fescue, meadow fleece), vetch and oat mix, natural hayfields and grazer

FRUIT: Apple tree, pear, cherry, plum, peach, apricot, quince, citrus fruits, coffee

BERIES: raspberries, currants, honeysuckle, gooseberries, grapevines, strawberries



Scattering by machines – 300-500 kg/ha

Soil improvers dry, granular «Extra»



Special combination of growth substances + double concentration of nutrients

For potatoes outdoors

Scattering by machines –
30-60 kg/ha

The potato is one of the most profitable crops, but it requires a lot of work and attention to all components and cycles during its production - from agricultural technology to seeds, the selection of fertilizers and necessary micro-elements.

The complex natural soil additive "Extra" is offered for the cultivation of highly productive potato varieties that come onto the market as an end product or are further used in other production lines.

«Extra» can be used both independently and together with other organic and mineral fertilizers. Its composition contains the necessary minimum of bound nitrogen, potassium and phosphorus as well as a large number of macro and micro elements, from amorphous silicon to rare trace elements. In addition, "Extra" contains a number of natural growth stimulants and amino acids that increase the efficiency of nutrient absorption, activate the growth of potato tubers and increase the yield by up to 30%. The use of «Extra» enables the binding of heavy metals in the soil. In addition, the soil additive "Extra" increases soil fertility and restores the humus layer and useful microflora. The greatest demand for further processing is for potatoes with a high dry matter. It was found that the dry matter results to around 30% from the moisture supply of the vegetation period. At this point, we want to emphasize the ability of the soil additive "Extra" to reserve water. If the soil additive "Extra" is present in the root area of the plants, it stores the humidity for a long time and supplies the potatoes in the garden evenly with water. In addition, the soil additive "Extra" can reduce the required amount of water by half or more due to its water storage ability.

Before the potatoes are planted, 30 kg of soil additive "Extra" must be applied per 1 ha of field. When using the soil additive «Extra», it is advisable to observe the modern methods of fertilizer application. The soil additive "Extra" is placed under the potato tuber when planting. This achieves the maximum effect of (organic) fertilization for potato growth and guarantees the continuous water supply.




Soil improvers dry, granular «Premium»

Exclusive combination of growth substances + double concentration of nutrients + peat

For lawns:
Football fields, golf turf, other types of turf



Scattering by machines – **300-500 kg/ha**

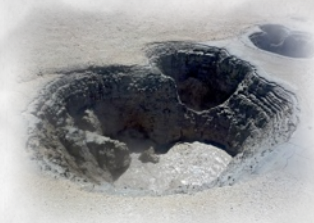
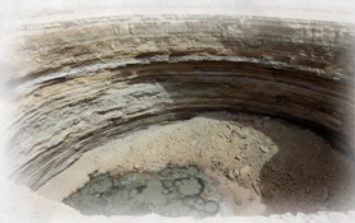


Our credo is
the sustainable innovation.

Our principle is
the environmental friendliness.

Our goal is
the maximization of the benefit
for humanity.

Our current job is
the production of novel
Eco-Organic products.



We source raw materials and ingredients from Europe, Asia, Africa, South America and Australia