NovaFerm® Multi

Indispensable to modern farming
Preparation authorized in an agri-environmental program

Manufacturer:
Nova Scienta Ltd.
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Results

Results of the usage of NovaFerm® Multi

Composition:
Natural microbial preparation
(Azotobocter vinelondii, Azospirillum lipoferum, Bacillus subtilis, Bacillus megaterium)

NovaFerm® Multi

The strains of natural bacteria settling in the root zone of the preparation have a positive effect on soil life processes.

As a result of the increasing biological activity, the development of the roots is stronger and the nutrient supply of the plant is improved. In the soil, the living flora stabilizes and increases the resistance of plants to fungal diseases (mainly Fusarium), thus significantly reducing the mycotoxin load. Nutrient uptake is accelerated, harmonious throughout the growing season.

In addition to the yield, the increase of the yield, the values of quality and starch content (e.g. protein content) improve.

pH value: 6,5 - 7,5

Density: 1,02

Nova Scienta Ltd.

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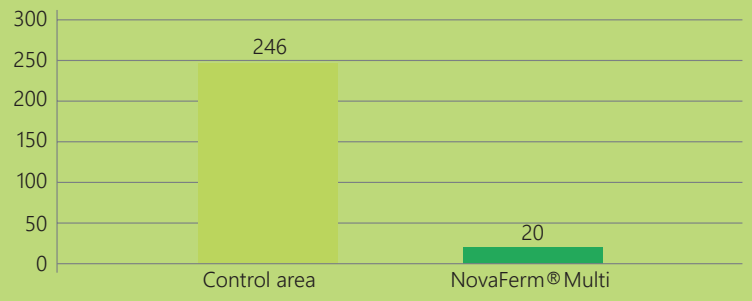
Maize production results

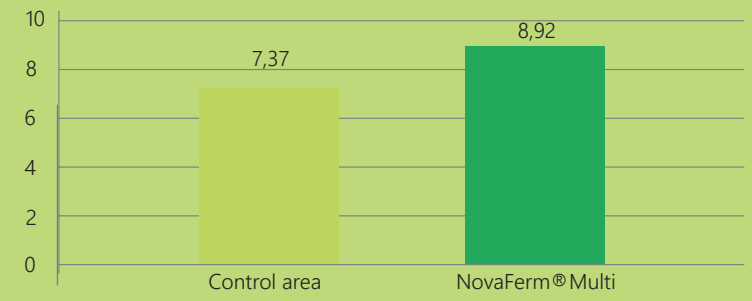
Mikotoxin (ppb)

Toxin: zearalenon (F2) mikoloxin

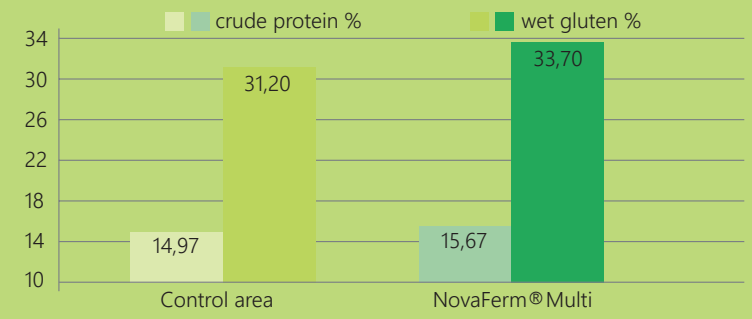


Yield (Uh)

NPK (Conlrol: 200 kg/haNPKJ, Treated : 200 kg/ha NPK - ,1 1o 1/ha NF)

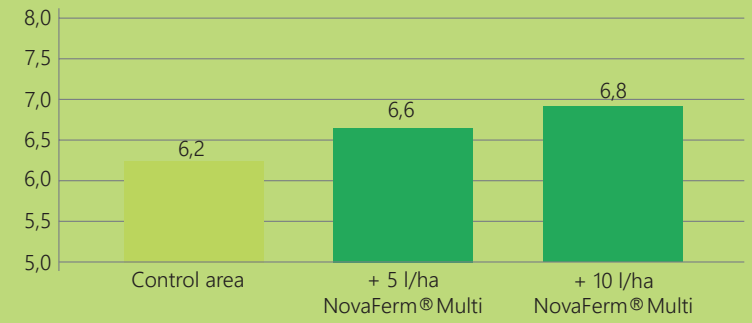


Production results in winter wheat



Yield (t/h)

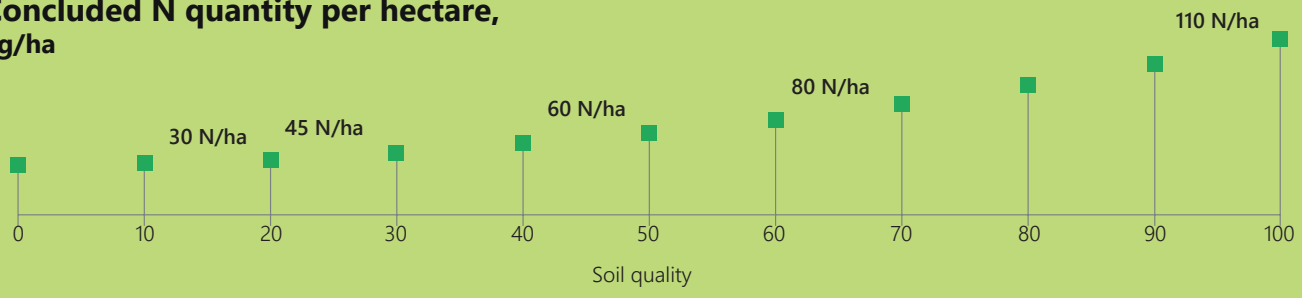
N (control, 200 kg/ha CAN 27% N, treated 200 kg/ha CAN 27% N + 1 x1 0 1/ ha NF



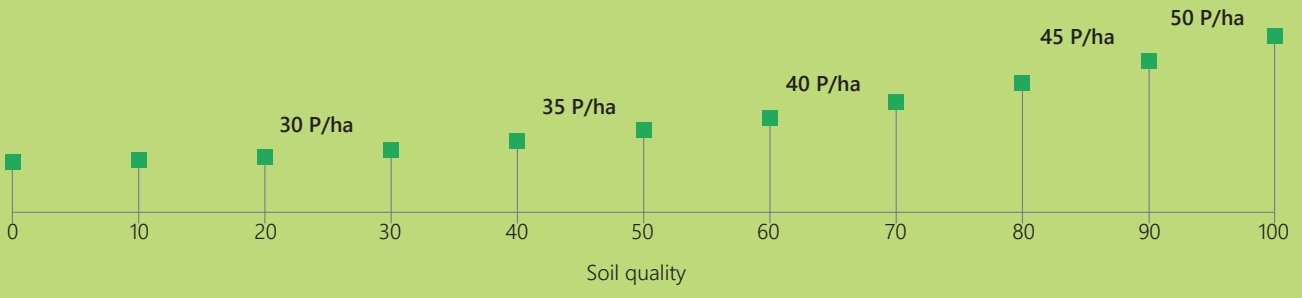
NovaFerm® Multi

- fixing nitrogen from the air, in organically bound forms that are continuously available to the plant and does not leach out of the soil;
- reveals biologically and chemically bound nutrients (e.g. phosphorus and potassium) to the plant;
- decompose plant residues, eliminates the possibility of overwintering of pathogens and pests;
- increases the humus content, stabilizes pH value, promotes earthworms and other shredding organisms;
- improves plant health, quality, root development and increases yield;
- with regular application, it permanently stabilizes and improves the pH value of the soil.pH-.
- Depending on the soil quality, by application 10 l/ha of NovaFerm® Multi on average
  ø a binds 80 kg/ha of N*,
  ø a provides 40 kg/ha of P_20_5 *and
  ø a 30 kg/ha of K_2O* for the plant.

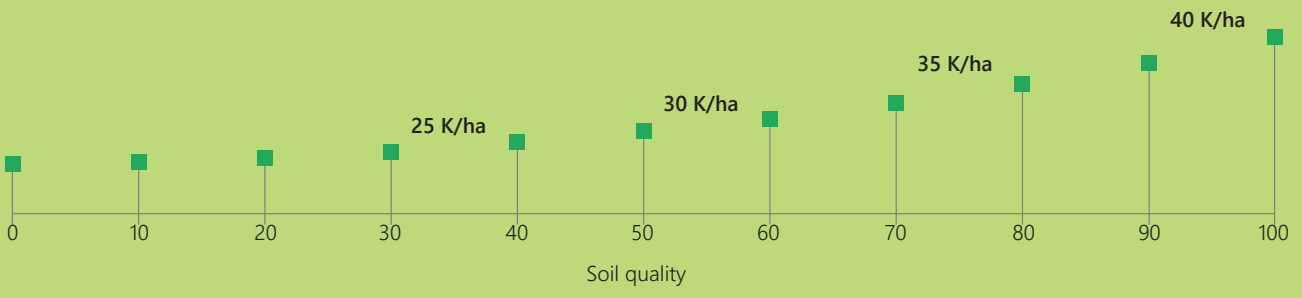
Concluded N quantity per hectare,
kg/ha



Released P quantity per hectare,
in form of P205, kg/ha



Released K quantity per hectare
in form of K20, kg/ha



5-year soil test relevant average values, before sowing and after harvest (UKSUP, Slovakia)

Application

NovaFerm® Multi

Plant health begins in the soil

AUTUMN

NovaFerm® Multi with dose of 10 l / ha spray with 200-300 l / ha of water on the stubble residues of the precrop or on the soil, then mixing to soil by plow or discing, or apply it together with animal liquid slurry by injection.

SPRING

NovaFerm® Multi with dose of 10 l / ha spray with 200-300 l / ha of water on surface of soil, then mix to seed-bed by discing / mixing operation (PPI, pre-plant incorporation). This treatment will enhance the efficiency of the previous winter treatments.

Due to the increased resistance and tolerance of the preparation to sunlight, extreme heat, cold and other physical and chemical stressors, the application to the soil can take place even a few days later. Therefore, the use of the preparation is well compatible with normal agricultural practice. It binds nitrogen from the air, has a positive effect on the supply of macro-, meso- and microelements, decompose stem residues, has a depressant effect on pathogenic fungi living in the soil.

ADVANTAGES

- a bacterial spores and other persistent formations are activated only after incorporation into the soil
- elevated UV- and direct light tolerance
- elevated heat and cold tolerance
- can be mixed with more pesticides
- not harmful to bees
- preparation authorized in integrated and ecological farming

The result is:
Healthy crops and good yields!
An indispensable tool in water protection and agri-environmental management!