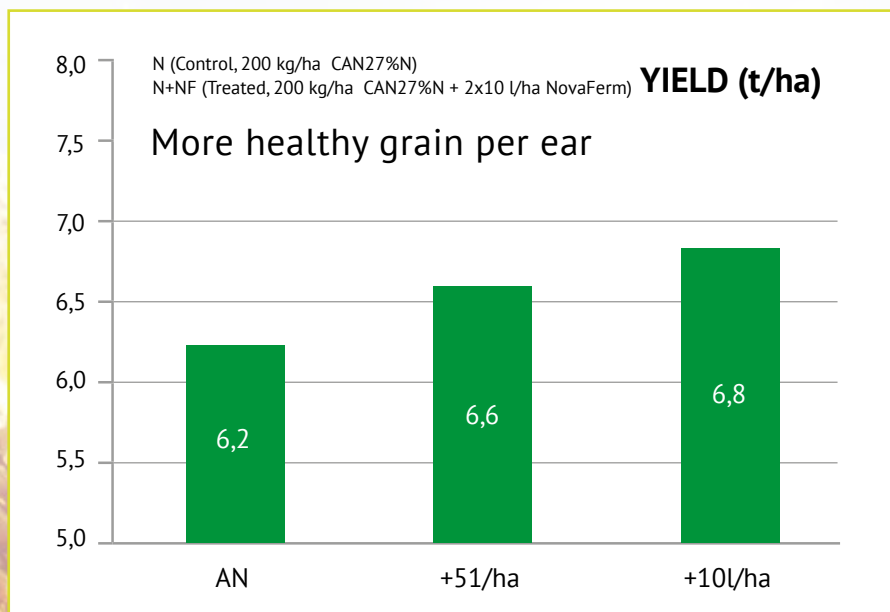
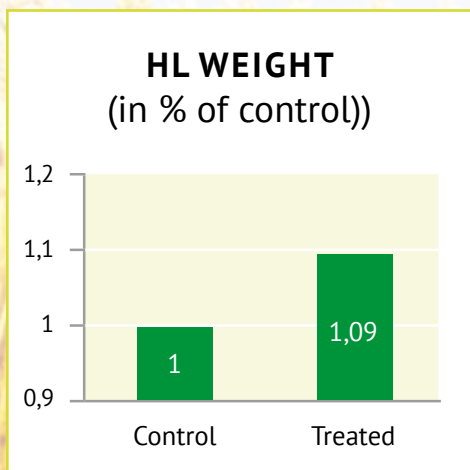
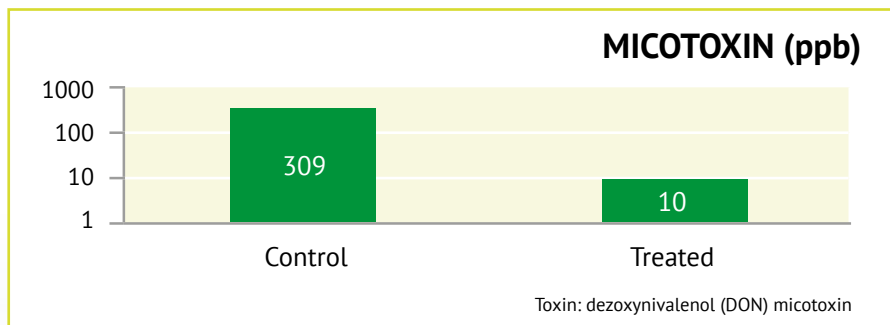
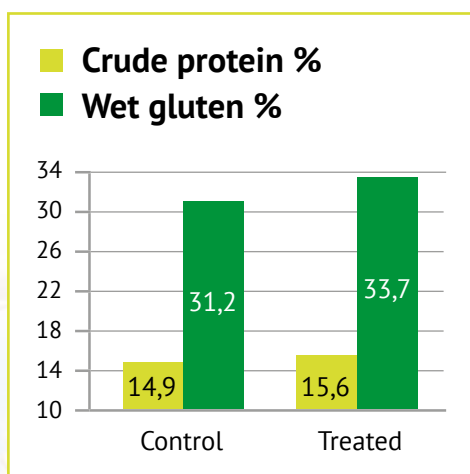




NovaFerm® Agrotechnology

Cereals

In cereal production the **NovaFerm®** products have a positive influence on the processes of soil life. With their bacteria specially associated to the root zone of cereals belonging to the family of grasses (wheat, barley, rye, oat) they promote the root development and the ideal nutrient supply of the root zone. By stabilising the flora of the leaf surface they strengthen the resistance of wheat to fungal diseases (*Fusarium*, *Erysiphe*, *Puccinia*). During the vegetation period by improving the nutrient supply they increase the yield and quality of the product and the positively change important characteristic parameters (HL weight, crude protein, values for baking).



*NovaFerm®
Multi*



1. NovaFerm Multi:

10l/ha, before sowing, at preparation of seed-bed, incorporated into the top 5-10 cm, with 200-300 l/ha water, in 3-3,5 % concentration combined with presowing herbicides.

*NovaFerm®
Dual*



2. NovaFerm Dual:

10l/ha, foliarly, max twice from tillering before flag leaves appear, with 200-300 l/ha water, in 3-3,5 % concentration, combined with any postemergent pesticides.



Treated



Untreated





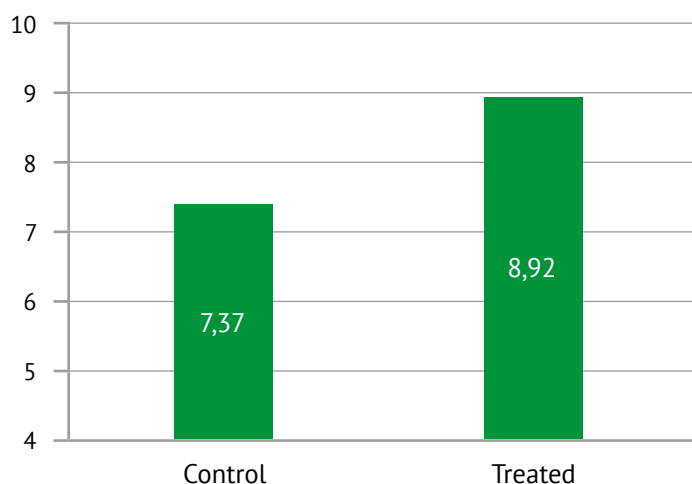
NovaFerm® Agrotechnology

Corn

In corn production the **NovaFerm®** products have a positive influence on the processes of soil life. With their bacteria specially associated to the root zone of corn belonging to the family of grasses they promote the root development and the ideal nutrient supply of the root zone. By stabilising the flora of the leaf surface they strengthen the resistance of corn to fungal diseases (*Fusarium spp*). During the vegetation period by improving the nutrient supply they increase the yield and quality of the product and the positively change important characteristic parameters (starch content).

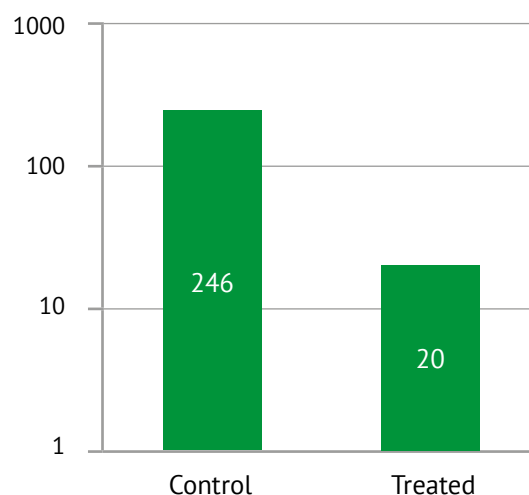
YIELD (t/ha)

NPK (Control, 200 kg/ha AN33%N)
NPK+NF (Treated 200 kg/ha AN33%N + 2x10 l/ha NovaFerm)



MICOTOXIN (ppb)

Toxin: zearalenon (F2) micotoxin



Application



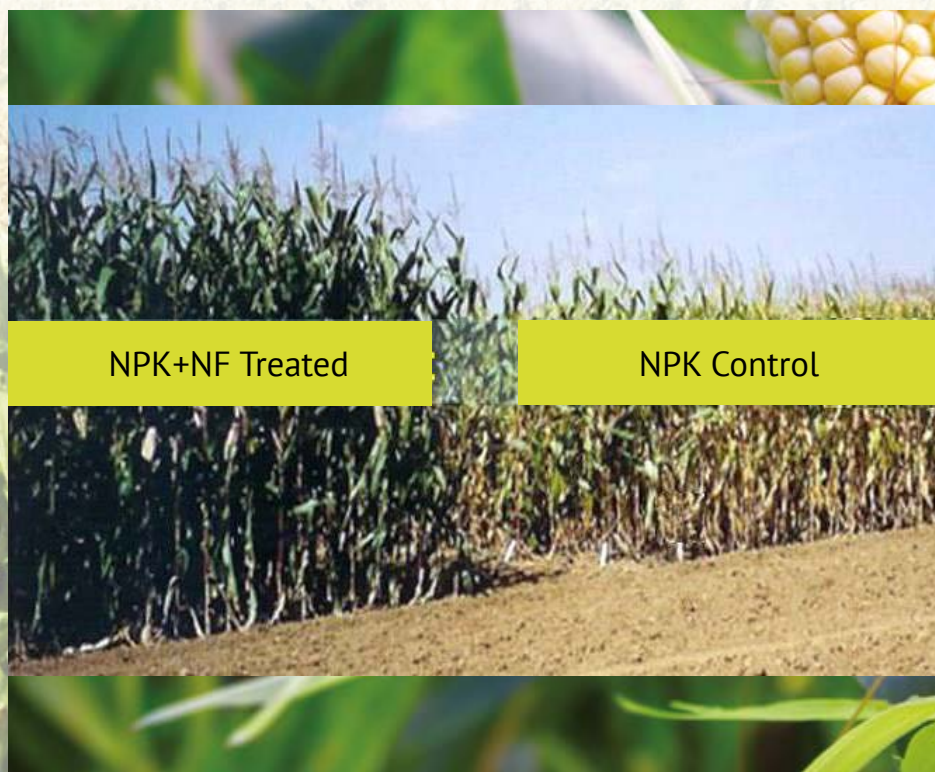
1. NovaFerm Multi:

10l/ha, before sowing, at preparation of seed-bed, incorporated into the top 5-10 cm of the soil, with 200-300 l/ha water, in 3-3,5 % concentration combined with presowing herbicides.



2. NovaFerm Dual:

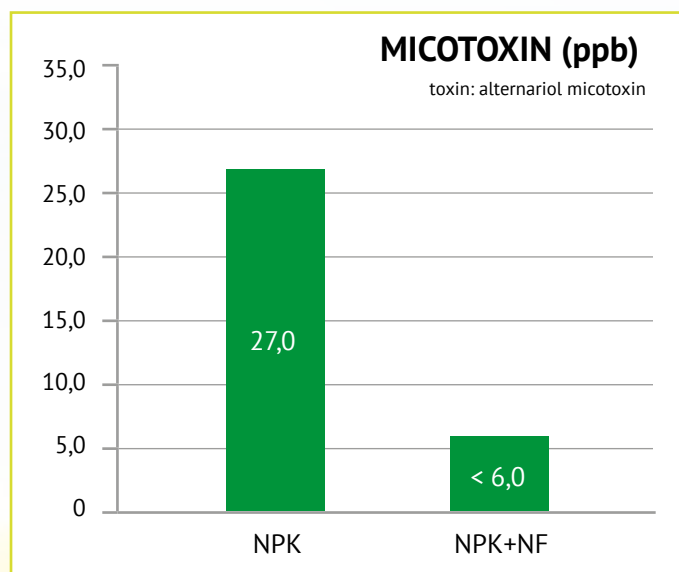
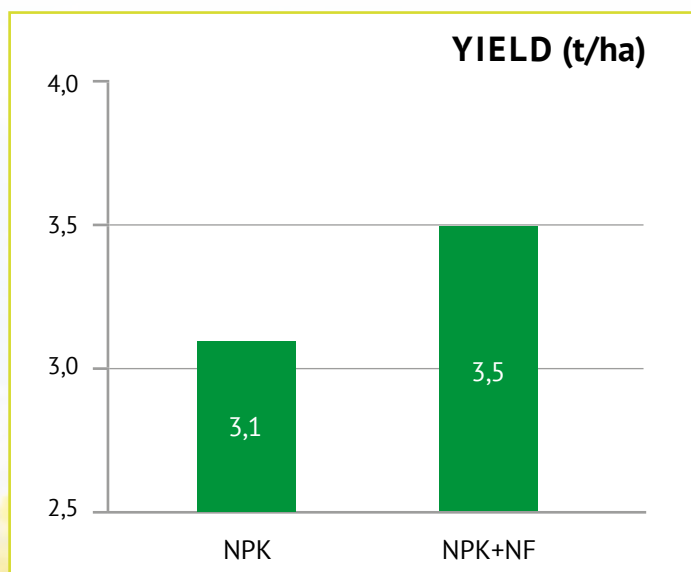
10l/ha, foliarly, from 6-8-leaf stage max. twice till 50-60 cm plant height, with 200-300 l/ha water, in 3-3,5 % concentration, combined with any postemergent pesticides.





NovaFerm® Agrotechnology Sunflower

The key for increased and even sunflower yield is nutrition and within this the provision of evenly absorbable phosphorus supply necessary for achene formation. In sunflower cultivation the **NovaFerm®** products have a positive effect on the flora of the root zone and the leaf surface; they improve the yield and quality of the product by optimising the nutrition supply and promoting the absorption of the nutrients in the soil. They improve the resistance of sunflower to fungal diseases (*Sclerotinia*, *Phoma*, *Alternaria*, *Peronospora*).



Application



1. NovaFerm Multi:

10l/ha, before sowing, at preparing seed bed, incorporated into the top 5-10 cm of the soil, with 200-300 l/ha water, in 3-3,5 % concentration combined with presowing herbicides.



2. NovaFerm Dual:

10l/ha, foliarly, from the stage of 6-8 leaves, max. twice before the development of the reproductive organs (flower), with 200-300 l/ha water, in 3-3,5 % concentration, combined with any postemergent pesticides.



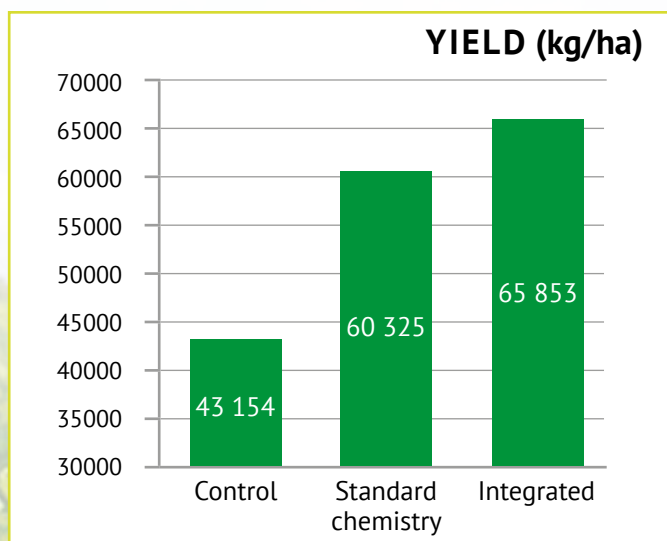
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NovaFerm® Agrotechnology

Sugar beet

The key element in successful production of sugar beet is the perfect plant nutrition highly focused to the equalized boron and potassium supplementation for expected higher sugar content of beet-root. In sugar-beet cultivation the **NovaFerm®** products have a positive effect on the flora of the root zone and the leaf surface; they improve the quantity and quality of the yield by optimising the nutrition supply and promoting the absorption of the nutrients in the soil. They improve the resistance of sugar-beet against to serious fungal diseases (*Cercospora*, *Macrophomina*).



RI%, sugar content

Strain	Control 200kg/ha NPK 15/15/15	Treated 200 Kg/ha NPK 15/15/15 + 2x10 l/ha Multi + Dual
Tinka (KWS)	16,5	17,4
Serenada (KWS)	16,3	16,9
Marianka (KWS)	16,1	16,8

Application



1. NovaFerm Multi:

10l/ha, before sowing, at preparation of seed-bed, incorporated into the top 5-10 cm, with 200-300 l/ha water, in 3-3,5 % concentration even at together with presowing herbicide treatment.



2. NovaFerm Dual:

10l/ha, foliarly, from the stage of 8-12 leaves, max. two times before drill closing, with 200-300 l/ha water, in 3-3,5 % concentration, combined with postemergent pesticide treatments.





NovaFerm® Agrotechnology

Apple

The main element of equalized production of harvested fruit is the optimal level of nutrition to capability of fruit mating and permanent generation of buds. Besides of this, the fresh-sprout generation in vegetation stage is most important topics focused to the next-year production and yields. In fruit production the **NovaFerm®** foliar products have a positive effect on the flora of the leaf surface; generate an intensive shoot-growth, they improve the quality of the yields. They improve the resistance of fruit-trees against to serious fungal diseases in vegetation (*Venturia*, *Podospharea*) and protect the fruits in long term storage-periode (*Monilia*).

Foliar treatment 3-4x in season

- The total number of buds increases, the distribution of leaf buds on the sprout tips is even
- Short internodes equilibrate even in arid climatic conditions
- Yield: from 40 t/ha to a stable 45-50 t/ha
- Acid/sugar ratio changes (titratable acidity decreases from 3,6 to 3,3 g/100 g)
- Number of fruit per tree: 8% elevation
- Average weight of 100 pcs of fruit: 6,3 % elevation
- Area of covering colour is 25% larger in fruits, roborative effect in injured fruits
- Area of covering colour is 25% larger
- *Venturia*/*Phodospharea* contamination prevalence decreases
- The frequency of usage of systemic-fungicids can be reduced



Application



NovaFerm Dual:

20l/ha, foliarly, from the stage of appearance of green surfaces, max. 2-4 times before maturing of fruits (spraying in flowering forbidden) with 1000 l/ha water, in 3-3,5 % concentration, combined with other pesticide treatments.



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NovaFerm® Agrotechnology

Vine-grape

The main element of equalized production of harvested grape is the optimal level of nutrition to capability of mating and permanent generation of buds. Besides of this, the fresh-sprout generation in vegetation stage is most important topics focused to the next-year production and yields. In grape production the **NovaFerm®** foliar products have a positive effect on the flora of the leaf surface; generate an intensive shoot-growth, they improve the quality of the yields. They improve the resistance of vine-stock against to serious fungal diseases in vegetation (*Plasmopara*, *Uncinula*, *Botrytis*) and protect the grape-bunch in long term storage-period (*Monilia*).

Foliar treatment 2-3x in season

- The total number of fruit buds increases the distribution of leaf buds on the sprout tips is even
- Consistent yield even in arid climatic conditions
- Acid/sugar ratio changes (titratable acidity decreases from 3,8 to 3,2 g/100 g)
- Number of grapes by bunch: 10 %
- Average weight of 100 bunches: 7,5 %
- Roborative effect in injured fruits
- Uncinula/Plasmopara contamination prevalence decreases
- The frequency of usage of sythemic-fungicids can be reduced



Application



NovaFerm Dual:

20l/ha, foliarly, from the stage of appearance of green surfaces, max. 2-4 times before maturing of fruits (spraying in flowering suggested) with 1000 l/ha water, in 3-3,5 % concentration, combined with other pesticide treatments.



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