

Унивок® extraterrestrial protection against diseases in cereals

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Fungicide by **Corteva Agriscience™** with a new active substance **Inatreq™ active**, a new mode of action and a new **iQ-4 formulation**

Univoq® is a new fungicide that offers exceptional protective, curative and eradicated action against all economically important diseases in cereal crops. It is a two-component fungicide containing prothioconazole, which is one of the newest triazoles, with systemic, eradicated and protective action targeted at controlling diseases in cereals, including rusts, leaf spots and fusarium, and the completely new active substance **Inatreq™ active** from a new chemical group with a new mode of action against a broad spectrum of diseases, whose most significant advantage is that it is the new benchmark against *Septoria* species and a tool for

managing resistance to this pathogen. The active ingredients in **Univok®** complement each other in a so-called synergistic effect, which provides farmers with a new tool for controlling all diseases in cereal crops.

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Извънземна защита от болести

-  Нов фунгицид в житни с предпазно и лечебно действие
-  Стандарт за контрол на Септория
-  Специална iQ-4™ формулация за подобро покритие, задържане, усвояване и по-дълъг период на защита
-  Продължителна ефикасност дори с намалено количество работен разтвор
-  Допълнителен физиологичен ефект

Inatreq™ active is a molecule derived from the actinomycete *Streptomyces* and subsequent fermentation. This fact demonstrates the favourable effect of the product on the environment and on the crops.

After application, **Univoq®** penetrates the leaf tissue and remains in an active form for more than 30 days and, upon contact with the pathogen, activates its fungicidal action (**curative action**).

The adhesion on the plant parts after treatment acts as a reservoir for **Univoq®**, which is activated upon contact with germinating spores (**protective action**).

In the presence of germinated spores or developed mycelium, **Univoq®** penetrates the tissues and acts as an inhibitor of mitochondrial respiration in fungal cells by blocking electron transfer. The amount of adenosine triphosphate (ATP) produced is reduced and, since ATP is the main energy carrier that drives the vital functions of the cells, key bioprocesses are disrupted, growth is impeded and the fungi die (**eradication action**).

Due to its new mode of action, **Univoq®** does not exhibit cross-resistance with other fungicides, which makes it a new anti-resistance tool for disease control in spring in cereal crops.

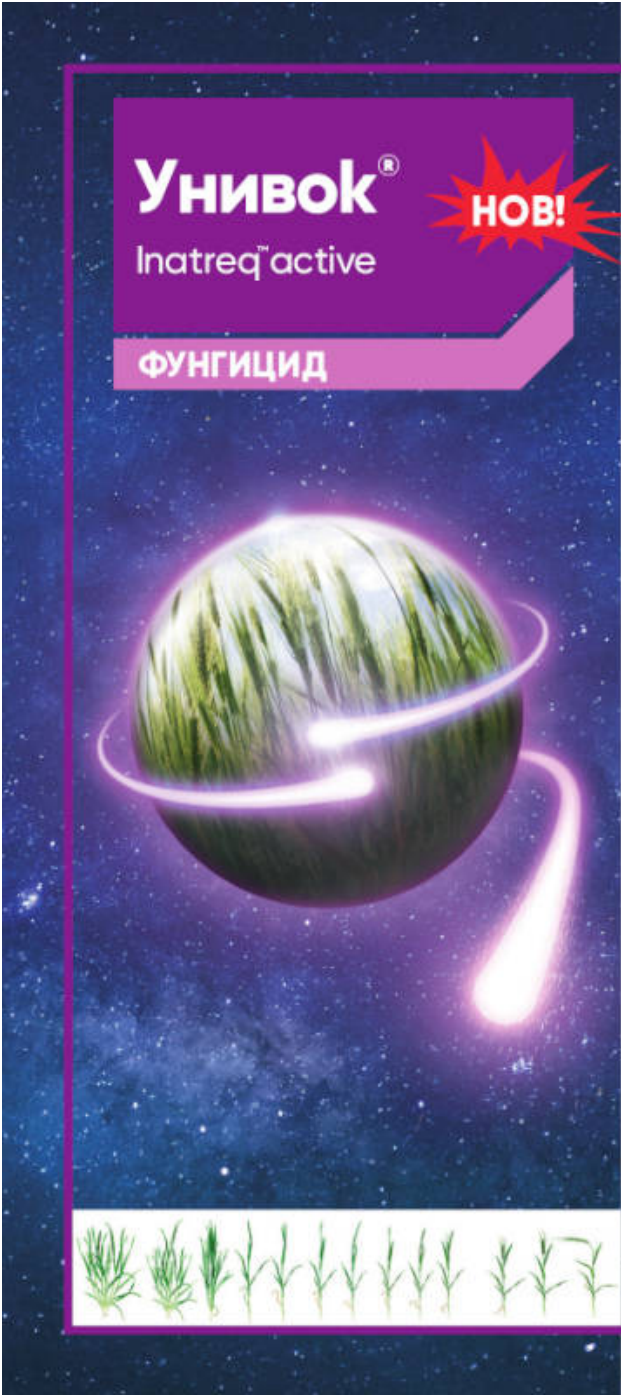
Univoq® is in a special formulation with iQ-4 technology for better adhesion and penetration into the plant parts of the crop and for longer-lasting protection against pathogens.

The iQ-4 technology is a newly patented formulation containing a specially designed adjuvant system.

The advantages include...

- Improved spreading and coverage on the leaf surface even at low water volumes
- Improved penetration and redistribution within plant tissues
- Provides 97.5% coverage of plant parts
- 8 days after application, 90% of the product is still present on the plant parts
- Prolonged and reliable activity up to 6 weeks after application, depending on weather conditions

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„Извънземна“ защита от болести



КУЛТУРА
ПШЕНИЦА
РЪЖ, ЕЧЕМИК*



БОЛЕСТИ
БРАШНЕСТА МАНА,
СЕПТОРИЯ ПО КЛАСА,
СЕПТОРИЯ ПО ЛИСТАТА, ФУЗАРИУМ,
ЖЪЛТОКАФЯВИ ПЕТНА,
БАЗИЧНО ГНИЕНЕ, КАФЯВА РЪЖДА,
ЖЪЛТА РЪЖДА, СНЕЖНА ПЛЕСЕН,
РАНЕН ЛИСТЕН ПРИГОР,
ВИДОВЕ HELMINTHOSPORIUM



ДОЗА
T1 120 мл/дка
T2 130 мл/дка
T3 130 - 150 мл/дка



МОМЕНТ НА ПРИЛОЖЕНИЕ
T1 ЗАЕДНО С ХЕРБИЦИДА
T2 ОТ ПОЯВА НА ФЛАГОВ ЛИСТ
T3 ПО ВРЕМЕ НА ЦЪФТЕЖ, В
ЗАВИСИМОСТ ОТ ИНФЕКЦИОЗНИЯ
ФОН ОТ ФУЗАРИУМ



ФОРМУЛАЦИЯ:
ЕК

Univok® provides excellent duration of protection, which is sufficient to safeguard crops even under the highest infection pressure, combined with a physiological effect expressed in stimulation of photosynthesis, blocking of the ethylene hormone that is formed in the crop under stress conditions, stimulation of root formation and, on this basis, helping the crop to realise its maximum yield potential and achieve high grain quality parameters. Trials in Europe and Bulgaria have demonstrated excellent control of Powdery mildew, Yellow-brown leaf spot, Fusarium, Eyespot, Brown rust, Yellow rust, Snow mould, Early leaf blight and Septoria. **Univok®** is applied at a flexible dose depending on the timing of application, as follows: T1 – 120 ml/da; T2 – 130 ml/da and T3 for fusarium protection at a dose of 130 to 150 ml/da.