BETAPROTECTIN

Betaprotectin function is to control several pathologies, like clamp rot, common scab, fusarial and brown rot in root tubers of table and sugar beet, carrot in the course of storage and vegetation; to curb grey rot, Penicillium mould and fusarial wilt in bulbiferous floral cultures; to protect conifers from Diplodia.

**Biological efficiency:**
- to withstand clamp rot infection in sugar beet treated during vegetation period it ranges from 41 to 60%, for sugar beet sprayed in storage piles the coefficient is 59-69%, whereas for table beet the respective values constitute 36-45% and 76%, for carrot counter-disease efficiency in vegetation season equals 26.5% and rises considerably to 76% in case of winter clamp rot exposure;
- biocontrol effect against diseases of bulbiferous floral cultures ranges from 54 to 55%; Betaprotectin treatment restrains progress and distribution of pathologies and allows to produce top-quality non-contaminated planting material;
- Betaprotectin totally suppresses Diplodia infection of pine (99%)

**Ecological benefits of Betaprotectin:**
- lack of virulent, toxigenic and toxic properties;
- not distinguished by irritating action on skin and mucous membranes;
- devoid of phytotoxicity and negative influence on tuber flavor, nutritive and biological value;
- will not trigger emergence of resistant pathogen types;
- will not release toxic compounds into surrounding environment;
- no need in special pesticide decontamination technologies;
- the void containers are routinely processed with garbage.

**Betaprotectin application guidelines**

Treatment of sugar beet, table beet and carrot is carried out by spraying shoots during vegetation season and harvested root tubers before piling into clamps/containers for winter storage.

Treatment of bulbiferous floral cultures is conducted during vegetation period by watering and sprinkling. First watering is timed to sprouting phase, the next should be spaced by 14 day intervals.

Counter-diplodia treatment of conifers is realized by spraying 2% working solution during vegetation season.

**Betaprotectin active principle:** spores and antimicrobial metabolites of bacteria *Bacillus subtilis*

**Commodity form:** liquid

**Expiration term:** 3 months at temperature range +4°C to +15°C.

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