

AGROCHEMICAL PREPARATIONS TO ENHANCE CROP RESISTANCE TO ADVERSE ENVIRONMENTAL FACTORS

Areas of Application

DORSAY, *KRIAHR*, and *JUPITER* preparations are characterized by unique multifunctional range of activity and used to improve freeze- and winter resistance, to protect plants against infections, to raise the agricultural crop yield and quality

Specification

Dosage for treatment per 1 ton seeds is:
DORSAY from 250 to 400 g;
JUPITER or *KRIAHR* from 150 to 350 g.
Dosage for the foliar treatment of plants per 1 ha is: *DORSAY* 350 g, *JUPITER* or *KRIAHR* from 150 to 250 g.
The preparations are produced in a liquid form

Advantages

These preparations enhance the plant survivability after low temperature effect by 10–20%, increase the yield by 20–35% on average, depending on the plant type. The advantages of preparations (as compared with the existing ones) are their combined multifunctional action, much higher efficiency, low cost, and nontoxicity. They are ecologically safe (safety class IV): environment friendly and safe for human, animals, soil, and water reservoirs. The preparation components are used in medicine and pharmaceutical industry



Stage of Development. Suggestions for Commercialization

IRL6, TRL8
The production and delivery of preparations, as well as staff training on their application are available as options

IPR Protection

IPR1, IPR3

Contact Information

Liudmyla P. Fomenko, Institute for the Problems of Cryobiology and Cryomedicine of the NAS of Ukraine; +38 057 373 31 06, e-mail: cryo@online.kharkov.ua