



## **Kuraray Poval / Mowiol® in Plant Protection Agents**

Plant protection agents are used both in solution and in dispersed form. They must adhere for as long as possible to the plant they are used to protect.

The addition of Mowiol significantly improves the adhesion of the plant protection agent to leaf and flower surfaces, which are usually hydrophobic, by film formation after drying. Mowiol has the advantage of showing no phytotoxic on various young cultivated plants.

In dispersed or dispersible plant protection agents Mowiol also acts as a protective colloid and prevents sedimentation of the active ingredient.

Partially hydrolyzed Mowiol grades are preferred both to improve adhesion and as a protective colloid additive; they are used in quantities of 1-2 % relative to the mixture.

To avoid contact with the skin and mucous membrane, plant protection agents in powder form are now filled into portion pack made of cold-water-soluble Mowiol film. The film of these packs forms an integral part, i.e. when dissolved it also acts as a protective colloid and sticker.