

Title (en)
CROP-PROTECTIVE SPRAYING DEVICE

Title (de)
PFLANZENSCHUTZSPRITZVORRICHTUNG

Title (fr)
DISPOSITIF DE PULVERISATION POUR PROTEGER DES VEGETAUX

Publication
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Application
EP 04721897 A 20040319

Priority
• EP 2004002921 W 20040319
• DE 10312930 A 20030322

Abstract (en)
[origin: WO2004082845A2] The invention relates to a crop-protective spraying device in which the wash container is used only as a reservoir for clean water and for discharging liquid fertilizer without the active substances being added to the water in the wash container. According to the invention, the active substances several being usable at the same time are added to the water in the intake area of the wash pump, wherefore metering pumps derived from star wheel-type pumps are used whose output rate is adjustable. The pressure can be regulated via the output rate of the wash pump without requiring technical backflow quantities, by coupling driving of the wash pumps and metering pumps. A novel pre-delivery method ensures that both the desired concentration of active substances and the desired pressure are supplied at the nozzles when spraying begins. The inventive spraying device can be used for crop protection in all areas relating to agriculture, horticulture, and fruit growing.

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