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The invention relates to a water-based herbicidal suspension, a method for controlling undesired plants or inhibiting their growth and a method for stabilizing the herbicidal sulfonylurea compound.

The water-based herbicidal suspension comprises (1) a herbicidal sulfonylurea compound representing at least one member selected from the group consisting of nicosulfuron and flazasulfuron or its salt, (2) an inorganic salt, (3) at least one sulfonate selected from the group consisting of an aryl sulfonate, an alkylaryl sulfonate and their formaldehyde condensates and (4) water.

The method for controlling undesired plants or inhibiting their growth includes application of a herbicidally effective amount of the water-based herbicidal suspension, according to the invention, to the undesired plants or to a place where they grow.

The method for stabilizing the herbicidal sulfonylurea compound representing at least one member selected from the group consisting of nicosulfuron and flazasulfuron or its salt in the water-based herbicidal suspension includes use of an inorganic salt and at least one sulfonate selected from the group consisting of an aryl sulfonate, an alkylaryl sulfonate and their formaldehyde condensates.

Claims: 8