

Herbicides contain (A) at least one compound from the group of the substituted phenyl-sulfonyl ureas having the general formula (I) and their agriculturally acceptable salts. In the formula (I), R¹ stands for C₁-C₈ alkyl, C₃-C₄ alkenyl, C₃-C₄ alkynyl or C₁-C₄ alkyl substituted one to four times by residues from the group of halogens and C₁-C₂ alkoxy. The herbicides also contain (B) at least one herbicidal compound from the group of the compounds that are (Ba) selective herbicides against grass growing in cereal and/or corn cultures; (Bb) selective herbicides against dicotyledons growing in cereal and/or corn cultures; (Bc) selective herbicides against grass and dicotyledons that grow in cereal and/or corn cultures; and (Bd) non-selective herbicides for non-agricultural lands and/or selective herbicides against weeds and adventitious grass that grow in transgenic cultures.

