

A herbicidal mixture comprising A) a 3-heterocyclyl-substituted benzoyl derivative selected from the group of 4-[2-chloro-3-(3-methyl-isoxazol-5-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole, 4-[2-methyl-3-(3-methyl-isoxazol-5-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole and 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole; or one of its environmentally compatible salts. B) a safening effective amount of cloquintocet, or its environmentally compatible salts, amides, esters and hydrates. Compositions comprising these mixtures, processes for the preparation of these compositions and their use for controlling undesired plants.