

Title (en)  
PIPERAZINE COMPOUNDS WITH A HERBICIDAL ACTION

Title (de)  
PIPERAZINVERBINDUNGEN MIT HERBIZIDER WIRKUNG

Title (fr)  
COMPOSÉS PIPÉRAZINIQUES À ACTION HERBICIDE

Publication  
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Application  
**EP 08760877 A 20080611**

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Abstract (en)  
[origin: WO2008152073A2] The invention relates to piperazine compounds of the following defined general formula (I) and to their use as herbicides. The invention also relates to crop protection agents and to a method for combating undesired plant growth. In formula (I), the variables are defined as follows: R1 is selected from halogen, cyano, nitro, Z-C(=O)-R11, phenyl and a 5- or 6-membered heterocyclic group that has 1, 2, 3 or 4 heteroatoms, selected from O, N and S as ring atoms, wherein phenyl and the heterocyclic group are unsubstituted or have 1, 2, 3 or 4 substituents R1a; Z stands for a covalent bond or a CH2 group; R11 represents hydrogen, C1-C6 alkyl, C3-C6 cycloalkyl, C2-C6 alkenyl, C5-C6 cycloalkenyl, C2-C6 alkynyl and similar; R2 represents hydrogen, halogen, nitro, cyano, C1-C4 alkyl, C1-C4 haloalkyl, C2- C4 alkenyl, C1-C4 alkoxy, C1-C4 haloalkoxy, benzyl or a group S(O) nR21, wherein R21 stands for C1-C4 alkyl or C1-C4 haloalkyl and n stands for 0, 1 or 2; R3 represents hydrogen or halogen; R4 represents C1-C4 alkyl, C3- C4 alkenyl or C3-C4 alkynyl; R5 represents hydrogen, C1-C4 alkyl, C3-C4 alkenyl, C3-C4 alkynyl or a group (=O)R51, wherein R51 stands for hydrogen, C1-C4 alkyl, C1-C4 haloalkyl, C1-C4 alkoxy or C1-C4 haloalkoxy; R6 stands for C1-C4 alkyl, C1-C4 hydroxy alkyl or C1-C4 haloalkyl; R7, R8 stand, independently of one another, for hydrogen, OH, C1-C4 alkoxy, C1-C4 haloalkoxy, C1-C4 alkyl or C1-C4 haloalkyl; R9, R10 are selected, independently of one another, from hydrogen, halogen, CN, NO2, C1-C4 alkyl, C1-C4 haloalkyl, C2-C4

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