

Title (en)
HERBICIDAL COMPOSITIONS

Title (de)
HERBIZIDE ZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS HERBICIDES

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Abstract (en)
[origin: WO9611574A1] Selective herbicidal compositions for controlling grasses and weeds in crops of cultivated plants, comprising: a) a herbicidally effective amount of a compound of formula (I), wherein R1 is the (i), (ii) or (iii) group; the substituents R4 are each independently of one another halogen, nitro, cyano, C1-C4alkyl, C1-C4haloalkyl, C1-C10alkoxy, C1-C4haloalkoxy, C3-C6alkenyloxy, C1-C4alkoxy-C2-C4alkoxy, C3-C6alkynyloxy, C1-C4alkylcarbonyl, C1-C4alkoxycarbonyl, C1-C4alkylthio, C1-C4alkylsulfinyl, C1-C4alkylsulfonyl, amino, C1-C4alkylamino or di-C1-C4alkylamino; R5 is the (iv) or (v) group; n is 0, 1, 2, 3 or 4; m is 0 or 1, the sum of m and n being 0, 1, 2, 3 or 4; q is 0, 1, 2 or 3; X1 is oxygen, sulfur, -CH2- or -N(R7)-; the substituents R6 are each independently of one another C1-C4alkyl, halogen, C1-C4haloalkyl, C1-C4alkoxy, C1-C4haloalkoxy, nitro, cyano, C1-C4alkoxycarbonyl, amino, C1-C4alkylamino or di-C1-C4alkylamino; R7 is hydrogen, C1-C4alkyl, formyl or C1-C4alkylcarbonyl; A and B are each independently of one another hydrogen, alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl or cycloalkyl, or substituted or unsubstituted aryl; or A and B, taken together, form the divalent radical of a saturated or unsaturated and unsubstituted or substituted mono-, bi-, tri- or polycyclic system; G is hydrogen or a group -CO-R18 (a), (b), -SO2-R20 (c), (d), (e) or X (f); L and M are each independently of the other oxygen or sulfur; R18 is halogen-substituted alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, polyalkoxyalkyl or cycloalkyl, which may contain hetero atoms; unsubstituted or substituted phenyl, unsubstituted or substituted phenylalkyl, substituted heteroaryl, substituted phenoxyalkyl, or substituted heteroaryloxyalkyl; R19 is halogen-substituted alkyl, alkenyl, alkoxyalkyl or polyalkoxyalkyl, or unsubstituted or substituted phenyl or benzyl; R20, R21 and R22 are each independently of one another unsubstituted or halogen-substituted alkyl, alkoxy, alkylamino, dialkylamino, alkylthio, alkenylthio, alkynylthio or cycloalkylthio, or unsubstituted or substituted phenyl, phenoxy or phenylthio; R23 and R24 are each independently of the other hydrogen, unsubstituted or halogen-substituted alkyl, alkenyl, alkoxy or alkoxyalkyl, unsubstituted or substituted phenyl or benzyl; or R23 and R24, taken together, form an alkenyl radical, which may contain oxygen as hetero atom; and X is a metal ion equivalent or an ammonium ion; as well as salts and diastereoisomers of the compounds of formula (I); and b) to antagonise the herbicide, an antidotally effective amount of either a quinoline derivative of formula (IIa), wherein R10 is hydrogen, C1-C8alkyl, or C1-C8alkyl which is substituted by C1-C6alkoxy or C3-C6alkenyloxy; and X2 is hydrogen or chloro; of a 1-phenylazole-3-carboxylic acid derivative of formula (IIb), wherein E is nitrogen or methine; R11 is -CCl3 or unsubstituted or halogen-substituted phenyl; R12 and R13 are each independently of the other hydrogen or halogen; and R14 is C1-C4alkyl, are particularly suitable for controlling weeds in crops of cultivated plants, in particular maize and cereals.

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