

Title (en)
SYNERGISTIC FUNGICIDE COMPOSITIONS MADE OF QUINOLINE DERIVATIVES AND CYTOCHROM B/C INHIBITORS

Title (de)
SYNERGISTISCHE FUNGIZIDE ZUSAMMENSETZUNGEN AUS CHINOLINDERIVATEN UND CYTOCHROM B/C-INHIBITORS

Title (fr)
COMPOSITIONS FONGICIDES SYNERGIQUES CONSTITUEES DE DERIVES DE QUINOLEINE ET EN INHIBITEURS DE CYTOCHROME B/C

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Application
EP 96908131 A 19960325

Priority

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- EP 9601298 W 19960325

Abstract (en)
[origin: WO9632015A1] A process for controlling harmful fungi is characterised in that the fungi, their biotope or materials, plants, seeds, ground, surfaces or rooms to be protected against fungi are treated separately or together, simultaneously or successively with an active substance (I) that inhibits the respiration of cytochrom complex III and with an active substance of formula (II), in which the indices and substituents have the following meanings: m is an integer from 1 to 6, whereas the rests R may differ from each other when m is larger than 1; R stands for hydrogen, cyano, nitro, hydroxy, mercapto, amino, carboxyl, aminocarbonyl, aminothiocarbonyl, sulfo, aminosulphonyl, halogen, alkyl, hydroxyalkyl, alkoxyalkyl, alkoxy, alkoxyalkoxy, alkylthio, alkylamino, dialkylamino, alkylsulphonyl, alkylsulphoxyl, alkylsulphonyloxy, alkylcarbonyl, alkylcarbonyloxy, alkylcarbonylamino, alkoxycarbonyl, alkoxycarbonylamino, alkylaminocarbonyl, dialkylaminocarbonyl, alkylaminothiocarbonyl, dialkylaminothiocarbonyl, alkylaminosulphonyl, dialkylaminosulphonyl, alkenyl, alkenyloxy, alkenylcarbonyloxy, alkynyl and alkynyloxy, whereas these groups may be partially or completely halogenated; cycloalkyl, aryl, arylalkyl, arylalkoxy, aryloxy, arylthio, arylcarbonyl, arylcarbonyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, heteroaryloxy, heteroarylthio, heteroarylcarbonyl and heteroarylcarbonyloxy, whereas these groups may be partially or completely halogenated and/or bear one to three of the following rests: cyano, nitro, hydroxy, alkyl, alkyl halide, alkoxy, alkoxy halide or alkylthio; R<1> stands for hydrogen, cyano, nitro, hydroxy, mercapto, amino, carboxyl, aminocarbonyl, aminothiocarbonyl, sulfo, aminosulphonyl, halogen, alkyl, hydroxyalkyl, alkoxyalkyl, alkoxy, alkoxyalkoxy, alkylthio, alkylamino, dialkylamino, alkylsulphonyl, alkylsulphoxyl, alkylsulphonyloxy, alkylcarbonyl, alkylcarbonyloxy, alkylcarbonylamino, alkoxycarbonyl, alkoxycarbonylamino, alkylaminocarbonyl, dialkylaminocarbonyl, alkylaminothiocarbonyl, dialkylaminothiocarbonyl, alkylaminosulphonyl, dialkylaminosulphonyl, alkenyl, alkenyloxy, alkenylcarbonyloxy, alkynyl and alkynyloxy, whereas these groups may be partially or completely halogenated; cycloalkyl, aryl, arylalkyl, arylalkoxy, arylthio, arylcarbonyl, arylcarbonyloxy, heteroaryl, heteroarylalkyl, heteroarylalkoxy, heteroaryloxy, heteroarylthio, heteroarylcarbonyl and heteroarylcarbonyloxy, whereas these groups may be partially or completely halogenated and/or bear one to three of the following rests: cyano, nitro, hydroxy, alkyl, alkyl halide, alkoxy, alkoxy halide or alkylthio. Also disclosed are appropriate mixtures therefor.

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