

Title (en)

ACTIVE INGREDIENT COMBINATIONS WITH INSECTICIDAL, FUNGICIDAL AND ACARICIDAL PROPERTIES

Title (de)

WIRKSTOFFKOMBINATIONEN MIT INSEKTIZIDEN, FUNGIZIDEN UND AKARIZIDEN EIGENSCHAFTEN

Title (fr)

COMBINAISONS DE PRINCIPES ACTIFS PRESENTANT DES PROPRIETES INSECTICIDES, FONGICIDES ET ACARICIDES

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Application

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Priority

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- EP 0111126 W 20010926

Abstract (en)

[origin: DE10049804A1] An agent containing a mixture of phenyl-pyrroline ketoenol derivatives and one or more known fungicides and/or acaricides are new. The phenyl-pyrroline ketoenol derivatives are compounds of formula (I): W, X, Y and Z = H; halo; alkyl; alkoxy; haloalkyl; haloalkoxy; or CN, except X is not H; A = H alkyl, alkoxyalkyl or Cya (each optionally substituted with halo); B = H or alkyl; or C(A)(B) = optionally unsaturated, optionally substituted ring containing 1 or more hetero atoms; Cya = optionally substituted cycloalkyl with optionally 1 or more ring atoms replaced by a hetero atom; D = A or alkenyl; or (A)C-N(D) = optionally unsaturated ring, optionally substituted, optionally containing 1 or more hetero atoms; G = H, -C(O)-R<1>, -(L)-M-R<2>, -SO₂-R<3>, -P(L)(R<4>)(R<5>), E, or -C(L)-N(R<6>)(R<7>); E = metal or ammonium ion; L and M = O or S; R<1> = alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, or polyalkoxyalkyl (each optionally substituted with halo); cycloalkyl optionally substituted with halo, alkyl or alkoxy and optionally with 1 or more ring atoms replaced by a hetero atom; or phenyl, phenylalkyl, heteroaryl, phenoxyalkyl or heteroaryloxyalkyl (each optionally substituted); R<2> = alkyl, alkenyl, alkoxyalkyl or polyalkoxyalkyl (each optionally substituted with halo; or cycloalkyl, phenyl or benzyl (each optionally substituted); R<3> = alkyl optionally substituted with halo; or phenyl (optionally substituted); R<4> and R<5> = alkyl, alkoxy, NH(alkyl), N(alkyl)₂, alkylthio, alkenylthio or cycloalkylthio (each optionally substituted with halo); or phenyl, benzyl, phenoxy or phenylthio (each optionally substituted); R<6> and R<7> = H, alkyl, cycloalkyl, alkenyl, alkoxy or alkoxyalkyl (each optionally substituted with halo; or phenyl or benzyl (each optionally substituted); or N(R<6>)(R<7>) = forms a ring optionally substituted and optionally containing O or S. The fungicides and acaricides comprise compounds from fluquinconazole; tebuconazole; bitertanol; triadimenol; difenoconazole; flusilazole, prochloraz, penconazole, 2-(1-chloro-cyclopropyl)-1-(2-chlorophenyl)-3-(5-mercapto-1,2,4-triazol-1-yl)-propan-2-ol; kresoxime methyl; azoxystrobin; trifloxystrobin; picoxystrobin; 3-(1-(4-(2-chlorophenoxy)-5-fluoropyrimid-6-yloxy)-phenyl)-1-(methoxyimino)-methyl)-5,6-dihydro-1,4,2-dioxazine; maneb; propineb; mancozeb; captan; folpet (phaltan); dichlofluanid; tolylfluanid; famoxadone; fenamidone; carpropamid; iprovalicarb; procymidone; vinclozolin; iprodione; cyprodinil; cyamidazosulfamid; 1-(3,5-dimethylisoxazol-4-sulfonyl)-2-chloro-6,6-difluoro-(1,3)-dioxol-4-(4,5-f)benzimidazole; pyrimethanil; mepanipyrim; spiroxamin; chlorothalonil; iminoctadiene triacetate; fludioxonil; acibenzolar S-methyl (bion); dimetomorph; cymoxanil; fosetyl Al; pencycuron; fenhexamid; zoxamid; carbendazim; rabcid; coratop; chinomethionat; fluazinam; metalaxyl; metalaxyl-M; sulphur and copper.

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