

Pesticides

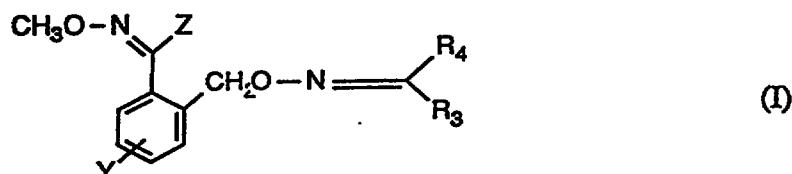
This Sheet Has Been Replaced

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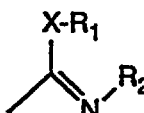
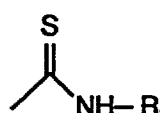
Abstract

Compounds of the formula I



in which

Y is hydrogen, C₁-C₄alkyl, C₁-C₄alkoxy, OH, CN, NO₂, Si(CH₃)₃, CF₃ or halogen,

Z is a group a)  or b)  and

R₁ is hydrogen, C₁-C₄alkyl, C₂-C₄alkenyl, C₂-C₄alkynyl, C₃-C₆cycloalkyl, phenyl which is unsubstituted or at most trisubstituted by halogen, C₁-C₄alkyl, C₁-C₄alkoxy,

C₁-C₄alkylthio, or benzyl which is unsubstituted or at most trisubstituted in the aromatic ring in the same manner; or is cyclopropylmethyl, C₁-C₄haloalkyl, C₂-C₅alkoxyalkyl, cyanomethyl, CO-R₆, OH, NH₂, C₁-C₄alkylamine or C₁-C₄alkoxycarbonyl-C₁-C₂alkyl;

X is oxygen, sulfur or NR₅;

R₂ is hydrogen, C₁-C₄alkyl, C₂-C₄alkenyl, C₂-C₄alkynyl, C₃-C₆cycloalkyl, C(O)R₆, OH or C₁-C₄alkoxy, NH₂ or C₁-C₄alkylamine;

R₅ is hydrogen, C₁-C₄alkyl, C₂-C₄alkenyl or C₂-C₄alkynyl;

R₆ is hydrogen, C₁-C₄alkyl, C₁-C₄haloalkyl, C₁-C₄alkoxy, C₃-C₆cycloalkyl, C₁-C₄alkoxycarbonyl or phenyl which is unsubstituted or at most trisubstituted; and in which R₃ and R₄ independently of one another are hydrogen, cyano, C₁-C₄alkyl, halo-C₁-C₄alkyl, C₂-C₄alkenyl, C₂-C₄alkynyl, C₃-C₆cycloalkyl, cyclopropylmethyl, C₁-C₄alkoxy, C₂-C₅alkoxyalkyl, C₁-C₄alkoxycarbonyl, C₁-C₄alkylthio, C₂-C₅alkylthioalkyl; a ring having not more than 15 ring carbon atoms which can be polymembered and is unsubstituted or at most trisubstituted and has 0-3 hetero atoms N, O or S, it being possible for this ring to be bonded via an aliphatic bridge having not more than 4 carbon atoms and/or via either CO, oxygen or sulfur; or

in which R₃ and R₄ together with the shared carbon atom are a ring or a polymembered ring system having not more than 15 ring carbon atoms which is unsubstituted or at most trisubstituted and has 0-3 hetero atoms N, O or S;

are suitable for controlling and preventing attack by microorganisms of plants. They can be used in the form of commercially available formulated compositions.