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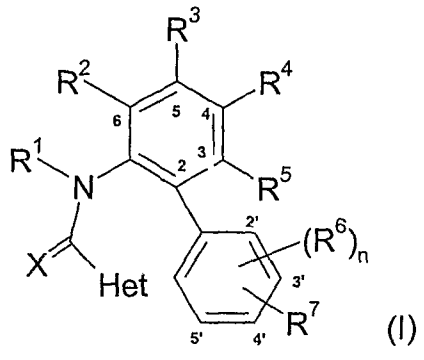
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(54) Title: BIPHENYL DERIVATIVES AND THEIR USE AS FUNGICIDES



(I)

(57) Abstract: A fungicidally active compound of formula (I): where Het is a substituted 5- or 6-membered heterocyclic ring; R^1 is hydrogen, formyl, CO-C_{1-4} alkyl, COO-C_{1-4} alkyl, C_{1-4} alkoxy(C_{1-4})alkylene, CO-C_{1-4} alkylenoxy(C_{1-4})alkyl, propargyl or allenyl; R^2, R^3, R^4 and R^5 are each, independently, hydrogen, halogen, methyl or CF_3; each R^6 is, independently, halogen, methyl or CF_3; R^7 is $(Z)_mC{=}C(Y^1)$, $(Z)_mC(Y^1){=}C(Y^2)(Y^3)$ or tri(C_{1-4})alkylsilyl; X is O or S; Y^1, Y^2 and Y^3 are each, independently, hydrogen, halogen, C_{1-6} alkyl [optionally substituted by one or more substituents each independently selected from halogen, hydroxy, C_{1-4} alkoxy, C_{1-4} haloalkoxy, C_{1-4} alkylthio, C_{1-4} haloalkylthio, C_{1-4} alkylamino, di(C_{1-4})alkylamino, C_{1-4} alkoxycarbonyl, C_{1-4} alkylcarbonyloxy and tri(C_{1-4})alkylsilyl], C_{2-4} alkenyl [optionally substituted by one or more substituents each independently selected from halogen], C_{2-4} alkynyl [optionally substituted by one or more substituents each independently selected from halogen], C_{3-7} cycloalkyl [optionally substituted by one or more substituents each independently selected from halogen, C_{1-4} alkyl and C_{1-4} haloalkyl] or tri(C_{14})alkylsilyl; Z is C_{1-4} alkylene [optionally substituted by one or more substituents each independently selected from hydroxy, cyano, C_{1-4} alkoxy, halogen, C_{1-4} haloalkyl, C_{1-4} haloalkoxy, C_{1-4} alkylthio, COOH and COO-C_{1-4} alkyl]; m is 0 or 1; and n is 0, 1 or 2; the invention also relates to novel intermediates used in the preparation of these compounds, to agrochemical compositions which comprise at least one of the novel compounds as active ingredient and to the use of the active ingredients or compositions in agriculture or horticulture for controlling or preventing infestation of plants by phytopathogenic microorganisms, preferably fungi.

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