

Title (en)
SUBSTITUTED 4,5-DI(TRIFLUOROMETHYL)PYRAZOLES AND THEIR USE AS HERBICIDES AND FOR DESICCATING/DEFOLIATING PLANTS

Title (de)
SUBSTITUIERTE 4,5-DI(TRIFLUORMETHYL)PYRAZOLE UND IHRE VERWENDUNG ALS HERBIZIDE UND ZUR DESIKKATION/DEFOLIATION VON PFLANZEN

Title (fr)
4,5-DI(TRIFLUOROMETHYL)PYRAZOLES SUBSTITUES ET LEUR UTILISATION COMME HERBICIDES ET POUR LA DESSICCATION/DEFOLIATION DE PLANTES

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Abstract (en)
[origin: WO9715559A1] The invention concerns 4,5-di(trifluoromethyl)pyrazoles of formula (I) and their salts, in which R<1> designates C1-C4 alkyl, C1-C4 alkyl halide; R<2> designates H, halogen; R<3> designates CN, halogen, C1-C4 alkyl, C1-C4 alkyl halide; R<4> designates H, NO₂, CN, halogen, -O-X<2>-R<5>, -O-CO-X<2>-R<5>, -N(X<2>-R<5>)(X<3>-R<6>), -N(X<2>-R<5>)-SO₂-X<3>-R<6>, -N(SO₂-X<2>-R<5>)(SO₂-X<3>-R<6>), -N(X<2>-R<5>)(CO-X<3>-R<6>), -N(X<2>-R<5>)(O-X<3>-R<6>), -S-X<2>-R<5>, -SO-X<2>-R<5>, -SO₂-X<2>-R<5>, -SO₂-O-X<2>-R<5>, -SO₂-N(X<2>-R<5>)(X<3>-R<6>), -CO-X<2>-R<5>, -C(=NOR<7>)-X<2>-R<5>, -CO-O-X<2>-R<5>, -CO-S-X<2>-R<5>, -CO-N(X<2>-R<5>)(X<3>-R<6>) or -CO-N(X<2>-R<5>)(O-X<3>-R<6>); and X<1>, X<2>, X<3> designate a chemical bond or ethene-1,2-diyl-, a methylene-, ethylene- or propane-1,3-diyl chain which can have 1 or 2 substituents: halogen, CN, COOH, C1-C4 alkyl, C1-C4 alkyl halide, C1-C4 alkoxy, C1-C4 alkoxy, di-(C1-C4 alkyl)amino, C1-C6 alkyl halide and/or optionally substituted phenyl, wherein the methylene-, ethylene- or propane-1,3-diyl chain can additionally carry a hydroxy, amino or C1-C4 alkyl amino group. The invention also concerns the use of these substances as herbicides and for desiccating/defoliating plants.

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