

Title (en)
SUBSTITUTED PYRROLIDONE, THIAZOLIDONES OR OXAZOLIDONES AS HERBICIDES

Title (de)
SUBSTITUIERTE PYRROLODIONE, THIAZOLIDONE ODER OXAZOLIDONE ALS HERBIZIDE

Title (fr)
PYRROLIDONE, THIAZOLIDONES OU OXAZOLIDONES SUBSTITUES UTILISES COMME HERBICIDES

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Application
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Abstract (en)
[origin: WO9533719A1] Compounds of general formula (I), wherein X is O, S or CR<4>R<5>; each R<4> and R<5> is, independently, hydrogen or C1-C4 alkyl; Z is O, S or NR<4>; n is 0 or 1; Y is O, S, NR<6> or CR<4>R<5>; R<6> is H, OH, CHO, NR<16>R<17> or C1-C10 hydrocarbyl, 0- (C1-C10 hydrocarbyl), either of which may be substituted with one or more substituents chosen from OR<16>, COR<16>, COOR<16>, OCOR<16>, CN, halogen, S(O)pR<16>, NR<16>R<17>, NO2, NR<16>COR<17>, NR<16>CONR<17>R<18>, CONR<16>R<17> or heterocyclyl; R<16>, R<17> and R<18> are each, independently, hydrogen, C1-C6 hydrocarbyl or C1-C6 haloalkyl; p is 0, 1 or 2; alternatively: when Y is NR<6> or CR<4>R<5>, and: a) Z is NR<4>; or b) n is 0; the substituents of Y and Z or Y and R<1> may together form a bridge represented by the formula -Q<1>-Q<2>- or -Q<1>-Q<2>-Q<3>-, where Q<1>, Q<2> and Q<3> each independently represent CR<12>R<13>, =CR<12>, CO, NR<14>, =N, O or S; each of R<12> and R<13> independently represents hydrogen, C1-C4 alkyl, OH or halogen; R<14> represents hydrogen or C1-C4 alkyl; W is O or S; R<1> is hydrogen or C1-C10 hydrocarbyl or heterocyclyl having 3 to 8 ring atoms; R<2> and R<3> are each independently hydrogen or C1-C4 alkyl; A is an aromatic or heteroaromatic ring system optionally substituted alternatively, two or more substituents of the group A may combine to form a fused 5- or 6-membered saturated or partially saturated carbocyclic or heterocyclic ring in which any carbon or quaternised nitrogen atom may be substituted with any of the groups mentioned above for A or in which a ring carbon atom may be part of a carbonyl group or a nitrogen atom may be oxidised.

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