

Title (en)
QUINOXALIN-2-ONE DERIVATIVES CROP PROTECTION AGENTS COMPRISING THE SAME AND METHOD FOR PRODUCTION AND USE THEREOF

Title (de)
CHINOXALIN-2-ON-DERIVATE, DIESE ENTHALTENDE NUTZPFLANZENSCHÜTZENDE MITTEL UND VERFAHREN ZU IHRER HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)
DERIVES DE QUINOXALIN-2-ONE, PHYTOPROTECTEURS POUR PLANTES UTILES CONTENANT CES DERIVES, PROCEDE DE PRODUCTION ET UTILISATION DESDITS DERIVES

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Abstract (en)
[origin: WO2005112630A1] The invention relates to compounds of formula (I), or the salts thereof, where X = O or S, (Y)_n = n substituted Y, n = 0, 1, 2, 3 or 4, R<1> = H, OH, NH₂, C₁-C₄ alkylamino, di-[C₁-C₄ alkyl]amino or optionally substituted C₁-C₁₀ alkyl, C₃-C₁₀ alkenyl, C₃-C₁₀ alkynyl or C₁-C₁₀ alkoxy, C₃-C₁₀ cycloalkyl, C₄-C₁₀ cycloalkenyl, aryl or heterocyclyl, R<2> = H, or optionally substituted C₁-C₁₀ alkyl, C₃-C₁₀ alkenyl, C₃-C₁₀ alkynyl, C₃-C₁₀ cycloalkyl, C₄-C₁₀ cycloalkenyl, aryl or heterocyclyl, whereby Y is as defined in claim 1, which are suitable as safeners for cultured plants or crops against the phytotoxic effects of agrochemicals, such as pesticides, on said plants.

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Cited by
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