

Title (en)  
3-CYANOARYL PYRAZOLES AND USE THEREOF AS HERBICIDES

Title (de)  
3-CYANOARYL-PYRAZOLE UND IHRE VERWENDUNG ALS HERBIZIDE

Title (fr)  
3-CYANOARYL-PYRAZOLES ET LEUR UTILISATION COMME HERBICIDES

Publication  
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Application  
**EP 97923954 A 19970521**

Priority

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Abstract (en)  
[origin: DE19622189A1] The invention relates to novel 3-cyanoaryl pyrazoles of the general formula (I) in which Q is oxygen (O), sulphur (S), SO or SO<sub>2</sub>, R<1> is hydrogen or possibly substituted alkyl, alkenyl, alkinyl, cycloalkyl or cycloalkyl alkyl, R<2> is hydrogen or possibly substituted alkyl, alkenyl, alkinyl, cycloalkyl or cycloalkyl alkyl, R<3> is hydrogen, halogen or possibly substituted alkyl, R<4> is hydrogen or halogen, and R<5> is hydrogen, hydroxy, mercapto, amino, hydroxyamino, halogen or one of the radicals -Q-R<6>, -NH-R<6>, -NH-O-R<6>, -NH-SO<sub>2</sub>-R<6>, -N(SO<sub>2</sub>-R<6>)<sub>2</sub>, -CQ<1>-R<6>, -CQ<1>-Q<2>-R<6>, -CQ<1>-NH-R<6>, -Q<2>-CQ<1>-R<6>, -NH-CQ<1>-R<6>, -N(SO<sub>2</sub>-R<6>)(CQ<1>-R<6>), -Q<2>-CQ<1>-Q<2>-R<6>, -NH-CQ<1>-Q<2>-R<6> or -Q<2>-CQ<1>-NH-R<6> where Q<1> and Q<2> are oxygen or sulphur and R<6> is possibly substituted alkyl, alkenyl, alkinyl, cycloalkyl, cycloalkyl alkyl, aryl, arylalkyl, heterocyclyl or heterocyclyl alkyl, where the compounds 1-methyl-3-(4-cyano-2-fluoro-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-phenyl)-4-bromo-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-nitro-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-ethyl sulphonylamino-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-ethoxy carbonyl methoxy-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-chloro-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-chloro-5-methylthio-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-amino-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-hydroxy-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-chloro-phenyl)-4-chloro-5-difluoro methoxy pyrazol, 1-methyl-3-(4-cyano-2-fluoro-5-aminosulphonyl-phenyl)-4-chloro-5-difluoro methoxy pyrazol and 1-methyl-3-(4-cyano-2-fluoro-5-fluoro-sulphonyl-phenyl)-4-chloro-5-difluoro methoxy pyrazol are excepted by disclaimer; process for their production, novel intermediate products and the use of the 3-cyanoaryl pyrazoles as herbicides.

IPC 1-7  
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IPC 8 full level  
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