

Title (en)  
4,5-DICYANOIMIDAZOLE DERIVATIVES AND PESTICIDAL COMPOSITIONS CONTAINING THEM.

Title (de)  
4,5-DICYANOIMIDAZOLDERIVATE UND DIESE ENTHALTENDE PESTIZIDE ZUBEREITUNGEN.

Title (fr)  
DERIVES DE 4,5-DICYANOIMIDAZOLE ET COMPOSITIONS PESTICIDES LES CONTENANT.

Publication  
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Application  
**EP 93919116 A 19930820**

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• EP 9302232 W 19930820

Abstract (en)  
[origin: WO9405652A1] Novel 4,5-dicyanoimidazole derivatives of formula (I), wherein, X is oxygen, sulfur, SO or SO<sub>2</sub>; Y is -CH= or -N=; R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>6</sub>haloalkyl, C<sub>1</sub>-C<sub>6</sub>hydroxyalkyl, C<sub>1</sub>-C<sub>6</sub>cyanoalkyl, or a C<sub>1</sub>-C<sub>6</sub>alkylene substituted by C<sub>1</sub>-C<sub>6</sub>alkoxy, C<sub>1</sub>-C<sub>6</sub>haloalkoxy, C<sub>1</sub>-C<sub>6</sub>alkylthio, C<sub>1</sub>-C<sub>6</sub>haloalkylthio, C<sub>1</sub>-C<sub>6</sub>alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>haloalkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>alkylsulfonyl, C<sub>1</sub>-C<sub>6</sub>haloalkylsulfonyl, C<sub>1</sub>-C<sub>6</sub>hydroxyalkyl, C<sub>1</sub>-C<sub>6</sub>alkyloxycarbonyl, C<sub>1</sub>-C<sub>6</sub>alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>alkylcarbonyloxy or by COOH; R<sub>2</sub> is hydrogen, halogen, CN, C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>6</sub>haloalkyl, C<sub>1</sub>-C<sub>6</sub>cyanoalkyl, C<sub>1</sub>-C<sub>6</sub>hydroxyalkyl, C<sub>1</sub>-C<sub>6</sub>alkoxy, C<sub>1</sub>-C<sub>6</sub>haloalkoxy, C<sub>1</sub>-C<sub>6</sub>alkylthio, C<sub>1</sub>-C<sub>6</sub>haloalkylthio or C<sub>3</sub>-C<sub>7</sub>cycloalkyl; R<sub>3</sub> is hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>6</sub>haloalkyl, cyano or nitro; R<sub>4</sub> is hydrogen, halogen, cyano, C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>2</sub>haloalkyl, C<sub>1</sub>-C<sub>2</sub>alkylthio or C<sub>3</sub>-C<sub>7</sub>cycloalkyl; R<sub>5</sub> is hydrogen, halogen, nitro, C<sub>1</sub>-C<sub>6</sub>alkyl, C<sub>1</sub>-C<sub>2</sub>haloalkyl, C<sub>1</sub>-C<sub>2</sub>alkylthio, C<sub>1</sub>-C<sub>3</sub>alkoxy, C<sub>1</sub>-C<sub>3</sub>haloalkoxy or C<sub>3</sub>-C<sub>7</sub>cycloalkyl; and R<sub>6</sub> is hydrogen or halogen; including the physiologically tolerable addition compounds, can be used against insects and representatives of the order Acarina that are harmful to animals and plants, as well as against helminths in warm-blooded animals.

Abstract (fr)  
Nouveaux dérivés de 4,5-dicyanoimidazole de formule (I) dans laquelle X représente l'oxygène, un soufre, SO ou SO<sub>2</sub>; Y représente -CH= ou -N=; R<sub>1</sub> représente l'hydrogène, un alkyle C<sub>1</sub>-C<sub>6</sub>, un haloalkyle C<sub>1</sub>-C<sub>6</sub>, un hydroxyalkyle C<sub>1</sub>-C<sub>6</sub>, un cyanoalkyle C<sub>1</sub>-C<sub>6</sub>, ou un alkylène C<sub>1</sub>-C<sub>6</sub> substitué par un alcoxy C<sub>1</sub>-C<sub>6</sub>, un haloalcoxy C<sub>1</sub>-C<sub>6</sub>, un alkylthio C<sub>1</sub>-C<sub>6</sub>, un haloalkylthio C<sub>1</sub>-C<sub>6</sub>, un alkylsulfinyle C<sub>1</sub>-C<sub>6</sub>, un haloalkylsulfinyle C<sub>1</sub>-C<sub>6</sub>, un alkylsulfonyl C<sub>1</sub>-C<sub>6</sub>, un haloalkylsulfonyl C<sub>1</sub>-C<sub>6</sub>, un hydroxyalkyle C<sub>1</sub>-C<sub>6</sub>, un alkyloxycarbonyl C<sub>1</sub>-C<sub>6</sub>, un alkylcarbonyl C<sub>1</sub>-C<sub>6</sub>, un alkylcarbonyloxy C<sub>1</sub>-C<sub>6</sub> ou par COOH; R<sub>2</sub> représente l'hydrogène, un halogène, CN, un alkyle C<sub>1</sub>-C<sub>6</sub>, un haloalkyle C<sub>1</sub>-C<sub>6</sub>, un cyanoalkyle C<sub>1</sub>-C<sub>6</sub>, un hydroxyalkyle C<sub>1</sub>-C<sub>6</sub>, un alcoxy C<sub>1</sub>-C<sub>6</sub>, un haloalcoxy C<sub>1</sub>-C<sub>6</sub>, un alkylthio C<sub>1</sub>-C<sub>6</sub>, un haloalkylthio C<sub>1</sub>-C<sub>6</sub> ou un cycloalkyle C<sub>3</sub>-C<sub>7</sub>; R<sub>3</sub> représente l'hydrogène, un halogène, un alkyle C<sub>1</sub>-C<sub>6</sub>, un haloalkyle C<sub>1</sub>-C<sub>6</sub>, cyano ou nitro; R<sub>4</sub> représente l'hydrogène, un halogène, un cyano, un alkyle C<sub>1</sub>-C<sub>6</sub>, un haloalkyle C<sub>1</sub>-C<sub>2</sub>, un alkylthio C<sub>1</sub>-C<sub>2</sub> ou un cycloalkyle C<sub>3</sub>-C<sub>7</sub>; R<sub>5</sub> représente l'hydrogène, un halogène, un nitro, un alkyle C<sub>1</sub>-C<sub>6</sub>, un haloalkyle C<sub>1</sub>-C<sub>2</sub>, un alkylthio C<sub>1</sub>-C<sub>2</sub>, un alcoxy C<sub>1</sub>-C<sub>3</sub>, un haloalcoxy C<sub>1</sub>-C<sub>3</sub> ou un cycloalkyle C<sub>3</sub>-C<sub>7</sub>; et R<sub>6</sub> représente l'hydrogène ou un halogène; comprenant les composés d'addition physiologiquement tolérables. Ces dérivés peuvent être utilisés contre les insectes et les représentants de l'ordre Acarina qui sont dangereux pour les animaux et les plantes, ainsi que contre les helminthes chez les animaux à sang chaud.

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