

Title (en)  
USE OF HYDROXYLAMINE DERIVATIVES, AND METHOD AND PREPARATIONS FOR INCREASING THE TOLERANCE OF FIELD CROPS AGAINST WEATHER STRESSES

Title (de)  
VERWENDUNG VON HYDROXYLAMINDERIVATE, UND VERFAHREN UND ZUSAMMENSETZUNGEN ZUR ERHÖHUNG DER TOLERANZ VON KULTURPFLANZEN GEGEN WETTER-STRESS

Title (fr)  
UTILISATION DE DERIVES D'HYDROXYLAMINE, PROCEDE ET PREPARATIONS FAVORISANT LA TOLERANCE DE GRANDES PRODUCTIONS VEGETALES AUX INTEMPERIES

Publication  
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Application  
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Abstract (en)  
[origin: WO9847362A1] This invention relates to the use of hydroxylamine derivatives of general formula (I), wherein R<1> represents phenyl, N-heteroaryl, S-heteroaryl or a naphthyl group which may be substituted, an unsubstituted or substituted phenylamino or alkylamino or lower alkoxy; X represents halo, amino or an unsubstituted or substituted phenylamino group, or amino substituted with one or two lower alkyl or a hydroxy group; Y represents hydrogen, hydroxy or acyloxy, or if Y represents hydroxy, the molecule may contain a dioxazine ring closed at the carbon atom carrying the X group formed by formal XH elimination; R<2> and R<3>, independently from each other, represent hydrogen or lower alkyl group; R<2> and R<3> along with the adjacent nitrogen atom form a 5- to 7-membered saturated hetero ring, to increase the tolerance of cultivated plants against weather condition stresses, such as cold, frost and drought.

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Cited by  
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**WO 9847362 A1 19981029**; AR 012482 A1 20001018; AU 7070398 A 19981113; AU 748367 B2 20020606; BR 9808976 A 20000801; CA 2288075 A1 19981029; CO 5040008 A1 20010529; EP 1018876 A1 20000719; HR P980217 A2 19981231; HU 9702365 D0 19980302; HU P9702365 A2 19990128; HU P9702365 A3 19990928; ID 20187 A 19981022; IL 132509 A0 20010319; JP 2002514216 A 20020514; NZ 500579 A 20011026

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