

Title (en)

TREATMENT OF PLANTS WITH SALICYLIC ACID AND ORGANIC AMINES

Title (de)

BEHANDLUNG VON PFLANZEN MIT SALIZYLSÄURE UND ORGANISCHEN AMINEN

Title (fr)

TRAITEMENT DE PLANTES AU MOYEN D'ACIDE SALICYLIQUE ET D'AMINES ORGANIQUES

Publication

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Application

EP 99934147 A 19990720

Priority

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Abstract (en)

[origin: WO0005954A1] The present invention is directed to processes for improving plant resistance to disease without inhibiting plant growth. In the processes of the present invention a plant is treated with an ortho-substituted benzoic acid, preferably salicylic acid, and a nitrogen-containing compound selected from the group consisting of the organic amines and compounds which will metabolize to an organic amine. Preferred are the polyamines, tertiary amines, propylamines and organic compounds which will metabolize to produce a propylamine. Optionally, the plants are simultaneously treated with a chelated micronutrient metal preferably selected from the group consisting of the alkaline earth metals, the transition metals and boron. Finally, the plants are optionally treated with an ethylene-inducing compound, preferably indole-3-butyric acid. Preferred method of application is to the foliage of the plant by way of a solution in a suitable carrier medium.

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- [Y] RU 2111653 C1 19980527 - VSEROSSIJSKIJ SELEKTSIONNO T I, et al & DATABASE WPI Section Ch Week 199851, Derwent World Patents Index; Class C03, AN 1998-607926, XP002269095
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