

Title (en)  
PROCESS AND COMPOSITIONS PROMOTING BIOLOGICAL EFFECTIVENESS OF EXOGENOUS CHEMICAL SUBSTANCES IN PLANTS

Title (de)  
VERFAHREN UND ZUSAMMENSETZUNGEN ZUR FÖRDERUNG DER BIOLOGISCHEN EFFEKTIVITÄT EXOGENER CHEMISCHER  
SUBSTANZEN IN PFLANZEN

Title (fr)  
PROCEDE ET COMPOSITIONS ACTIVANT L'EFFICACITE BIOLOGIQUE DE SUBSTANCES CHIMIQUES EXOGENES DANS DES PLANTES

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Application  
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Abstract (en)  
[origin: WO0038514A1] A plant treatment composition for application of an anionic exogenous chemical substance such as glyphosate to foliage of a plant is provided. The composition comprises, in addition to the exogenous chemical substance, one or more amine compound(s) each having formula (I) wherein R<1> is a hydrocarbyl group having 6 to about 22 carbon atoms and at least about 30 % of all R<1> groups present have 14 to about 22 carbon atoms, and R<2> and R<3> are independently C1-5 hydrocarbyl groups. The amine compound(s) of formula (I) are present in the composition in a mole ratio to the exogenous chemical substance of about 0.01:1 to about 0.8:1. The exogenous chemical substance and amine compound(s) of formula (I) are dissolved or dispersed in an agronomically acceptable liquid carrier, preferably water. Also provided is a solid or liquid concentrate composition which, upon dissolution or dispersion in, or dilution with, water, forms a plant treatment composition of the invention. Plant treatment compositions of the invention are useful for eliciting a biological activity, for example herbicidal activity, in a plant.

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