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(54) Title: USE OF PROLINES FOR IMPROVING GROWTH AND/OR YIELD

(57) Abstract: The present invention describes a composition including a mixture of L- and D- pyroglutamate stereoisomers in a ratio of L to D of from about 80:20 to about 97:3, and, a carrier medium for application of the L- and D- pyroglutamate stereoisomers to a target plant. The composition can also be used as a germination medium and may be incorporated into a seed coat for assisting in germination. The present invention further describes a method of increasing the agronomic performance of a target plant by treating a target plant with a composition including a mixture of L- and D- pyroglutamate stereoisomers in a ratio of L to D of from about 80:20 to about 97:3 and a carrier medium for said L- and D- pyroglutamate stereoisomers.



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