

Title (en)  
METHODS AND COMPOSITIONS FOR ENHANCING FORMYLTETRAHYDROPTEROYLPOLYGLUTAMATE IN PLANTS

Title (de)  
VERFAHRENEN UND ZUSAMMENSETZUNG ZUR ERHÖHUNG DES FORMYLTETRAHYDROPTEROYLPOLYGLUTAMATS IN PFLANZEN

Title (fr)  
PROCEDES ET COMPOSITIONS PERMETTANT D'ACCROITRE LE FORMYLTETRAHYDROPTEROYLPOLYGLUTAMATE DANS DES PLANTES

Publication  
**EP 0813510 A4 20000726 (EN)**

Application  
**EP 96906601 A 19960223**

Priority  

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- US 39939995 A 19950306

Abstract (en)  
[origin: WO9627572A1] Methods and compositions for enhancing plant growth provide for foliar application of a substance which enhances the accumulation of formyltetrahydropteroylpolyglutamate (C1-THF) in a treated plant. Treatment with substances that contribute to the structure of C1-THF increases the rate and quantity of carbon fixation by the plant. Thereafter, plant growth is further improved either by exposure of the plant to elevated oxygen, illumination and heat or by foliar input of single carbon fragment sources. Optimal results are obtained by combined treatment with a substance that can serve as a sink for C1 fragments produced in the leaf.

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Citation (search report)  

- [X] WO 9113844 A1 19910919 - YAMASHITA THOMAS T [US]
- [X] WO 9011013 A1 19901004 - BTC BIOTECH INT [DE]
- [X] GB 2090585 A 19820714 - EGYETEM KERTESZETI IPARTELEPEK
- See references of WO 9627572A1

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**US 9602444 W 19960223**; AR 33564096 A 19960305; AU 4993696 A 19960223; BR 9607690 A 19960223; CA 2214795 A 19960223; EP 96906601 A 19960223; IL 11737496 A 19960305; JP 52689496 A 19960223; ZA 961637 A 19960229