



US005622915A

United States Patent [19]
Buendia et al.

[11] **Patent Number:** **5,622,915**
[45] **Date of Patent:** **Apr. 22, 1997**

[54] **METHOD OF USING TRICLOPYR TO INCREASE FRUIT SIZE OR QUALITY OR MATURATION RATE**

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[21] Appl. No.: **392,832**

[22] PCT Filed: **Jul. 5, 1994**

[86] PCT No.: **PCT/US94/07526**

§ 371 Date: **Jun. 8, 1995**

§ 102(e) Date: **Jun. 8, 1995**

[87] PCT Pub. No.: **WO95/01725**
PCT Pub. Date: **Jan. 19, 1995**

[30] **Foreign Application Priority Data**

Jul. 5, 1993 [GB] United Kingdom 9313838

[51] **Int. Cl.⁶** **A01N 43/40**

[52] **U.S. Cl.** **504/254**

[58] **Field of Search** 504/254

[56] **References Cited**

FOREIGN PATENT DOCUMENTS

55-100306 7/1980 Japan .
55-100307 7/1980 Japan .

OTHER PUBLICATIONS

C.D. Forgie et al., "Blackberry Control with Triclopyr," Proc, 30th N.Z. Weed and Pest Control. Conf. (1977).
Nishiyama et al. JPOABS abstract of JP 55-100306, 1980.
Nishiyama et al. JPOABS abstract of JP 55-100307, 1980.

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[57] **ABSTRACT**

A method for regulating plant growth which comprises applying to a fruit bearing plant an amount of 3,5,6-trichloro-2-pyridyloxyacetic acid (i.e., triclopyr) or a lower (C₁₋₁₀) alkyl ester or salt thereof that is nonphytotoxic and effective to provide increased fruit size or quality or faster maturation without causing significant (>25%) thinning.

8 Claims, No Drawings