



Revista Fitotecnia Mexicana
ISSN: 0187-7380
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Sociedad Mexicana de Fitogenética, A.C.
México

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Variación en contenido de azadiractina en frutos de margosa durante su desarrollo

Revista Fitotecnia Mexicana, vol. 27, núm. Es1, septiembre, 2004, pp. 81-85

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Chapingo, México

Available in: <http://www.redalyc.org/articulo.oa?id=61009917>

Abstract

Azadirachtine is a triterpenoid with pesticide properties which is produced by neem trees (*Azadirachta indica* A. Juss.). In this research the azadirachtine content in whole fruits and in its different tissues (embryo, endosperm, flesh and seed cover) was evaluated across fruit development. It was found that azadirachtine concentration increased during fruit development until maximum values were reached (2.8 mg g⁻¹ dm in whole fruits and 5.88 mg g⁻¹ dm in embryos) at physiological maturity in most cases. Fruit physiological maturity occurred 127 days after blooming, equivalent to 1040 heat units. Embryo was the fruit tissue with the highest azadirachtine content, with 83 % of the total.

Keywords

Azadirachta indica, azadiractina, fruit development.

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