

**Evaluation of nicosulfuron in the control of
Rottboellia exaltata, *Euphorbia heterophylla* and
Aldama dentata
in maize (*Zea Mays* L.) applied at three
different weed growth stages**

M. M. Hernández L¹, J. M. Arreaza¹, J. V. Lazo A²

Abstract

To determine the influence of *Rottboellia exaltata*, *Euphorbia heterophylla* and *Aldama dentata* growth stage on the activity of nicosulfuron applied alone or in mixtures with atrazine or bentazone, a trial was conducted at Agroisleña Research Station, Los Guayos county, Carabobo state. The results showed that nicosulfuron applied alone or in mixtures with atrazine or bentazone on *R. exaltata* plants at the 2 – 4 leaf growth stage, provided significantly better control in comparison with later applications. Nicosulfuron applied alone or in mixtures produced excellent control of *E. heterophylla* mainly when it was applied on plants at the 2 – 8 leaf growth stage. Nicosulfuron applied alone did not controll *A. dentata* and it was necessary the addition of atrazine or bentazone to the mixture to increase weed control.

Key words: *Zea mays* L., *nicosulfuron*, weeds, *Rottboellia exaltata*, *Euphorbia heterophylla*, *Aldama dentata*, herbicides.

Recibido el 19-11-2001 ● Aceptado el 15-5-2002

1. ZENECA Venezuela S.A. Av. Las Delicias Centro Financiero BANVENEZ, nivel Terraza. Apdo. 2119, Maracay, Venezuela. e-mail: zenejm@telcel.net.ve

2. Instituto de Botánica, Facultad de Agronomía. Universidad Central de Venezuela. Apdo. 4579, Maracay, Venezuela.