

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Cat. No.: 1375

TITLE: Atrazine with additives for C. esculentus control (Observation)

Purpose: To test the merits of adding surfactants or Rev products to atrazine for the control of emerged Cyperus esculentus

Details: Treatments were applied by means of a knapsack sprayer and fanjets to C. esculentus plants which ranged in size from very small to flowering.

Application date: 14.12.81

Treatments and results: Ratings taken 23 days after spraying.
(Ratings 1 = 100% control 9 = no effect)

Treatments	Rate litres/ha	Ratings (EWRC 1-9)
1. Atrazine	3	8,5
2. Atrazine + S	3 + 0,2% v/v	7
3. Atrazine + Rev 9	3 + 3	7
4. Atrazine + Rev 7	3 + 3	8
5. Diuron + Actril DS	2,5 + 1,25	1
6. Ametryne (50%)	3	4

Comments:

1. Only diuron + Actril Ds and ametryne caused any marked effect on C.esculentus plants.
2. An extremely slight advantage was apparent from the addition of surfactant and Rev products but this was not sufficient to have any real effect.
3. Atrazine is not normally used for post-emergence weed control in the sugar industry and is not recommended for watergrass control at all.

PETT/IS
20 July 1983