

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Cat. No.: 1366

TITLE: Phragmites communis/australis (Common reed)
Control with Roundup (Observation)

Purpose: To test methods of application and rates of application for Phragmites control.

Treatments:

	<u>Applicator</u>	<u>Chemical</u>	<u>Rate</u>
1.	Motorised knapsack + JACTO head (nozzle 1 setting 2)	Roundup	5% Soln
2.	Motorised knapsack + JACTO head (nozzle 1 setting 2)	Roundup	2,5% soln
3.	CP ₃ knapsack + TK5 floodjet	Roundup	1%
4.	CP ₃ knapsack + TK5 floodjet	Roundup	2%

Spraying date: April

Conditions : Overcast to warm

Results:

	<u>Treatments</u>	<u>Ratings</u>		<u>EWRC 9= dead 1 = no effect</u>
		<u>T+12 days</u>	<u>T+53 days</u>	
1.	5% motorised	3,5	7,5	
2.	2,5% motorised	3	7,5	
3.	1% CP ₃	4	7	
4.	2% CP ₃	4,5	6,5	

Comments:

1. At the second assessment most reeds appeared dead (growing point dead) but had some green leaves and in some cases were sideshooting.
2. Although no further assessments were made a visit on 1 September showed fairly good control particularly from treatment 4.

Conclusions:

1. No obvious differences were apparent between application methods or rates.
2. Roundup appears to be effective in controlling this species but the trial was not visited in summer when regrowth would have been more noticeable.

PETT/IS
20 July 1983