

**SOUTH AFRICAN SUGAR INDUSTRY
AGRONOMISTS' ASSOCIATION**

<u>Codes T.</u>	<u>Project No.</u>
R2 E.Tv1/86	3328
R3 E.Tv1/86	3267
R4 E.Tv1/86	3329
<u>Cat. No.</u>	1576

Title: Fusilade Super as a ripener : effects on regrowth (E.Tv1)

Particulars of projects:

Site: Fields 12, 28 and 32 of Mhlati farm T.S.B.

Soil and irrigation: Fields 12 and 32 have Shortlands form soil and are irrigated (42 mm on a 6 day cycle). Field 28 has a Champagne form soil (formed by ash and mill effluent over many years) and is flood irrigated.

Treatments:

Fusilade Super at 300 ml ha⁻¹ and 600 ml ha⁻¹ and Roundup at 800 ml ha⁻¹ were sprayed onto the previous crop eight to ten weeks before harvesting. Visual assessment was made and heights and counts recorded for each treatment on the regrowth of the following crop.

Details of trials:

	Date sprayed	Date harvested	Date and age at regrowth measurements
R2 E.Tv1	2 June	29 July	14 January - 5,5 months
R3 E.Tv1	13 June	21 August	20 January - 5 months
R4 E.Tv1	16 October	17 December	9 March - 2,7 months

Regrowth measurements

	R2 E.Tv1		R3 E.Tv1		R4 E.Tv1	
	Stalk heights (cm)	Stalk pop. x1000 ha ⁻¹	Stalk heights (cm)	Stalk pop. x1000 ha ⁻¹	Stalk heights (cm)	Stalk pop. x1000 ha ⁻¹
Control	145	128	156	133	93	316
Roundup	146	119	152	124	94	336
Fus. 300	147	124	155	124	94	318
Fus. 600	149	126	151	131	94	326
MEAN	147	124	154	128	94	324

Comments

- There were no visual signs of residual effects on the early growth of the ratooning crop following the use of Roundup and Fusilade Super on the previous crop at these three sites.
- Stalk heights were similar for all treatments and the small differences in stalk population are more likely to be due to natural variation than to treatment effects.

RAD/1b
5 May 1987