

2. Objectives

To test water from Mtunzini farm for use with Roundup and compare it with good quality water from Mount Edgecombe.

3. Motivation

Poor results in cane killing have been observed on Mtunzini farm.

4. Note on Treatments

Treatments were applied directly over the cane foliage. Plots were 30 m² each : 5 rows x 4 m x 1,5 m spacing. There was only one plot per treatment.

5. Results: Table 1 - % Kill of sugarcane foliage taken 26, 41 and 157 days after treatments were applied

	% Kill		
	26	41	157
Mt. Edgecombe water	65	70	70
Mtunzini water	50	60	50

Comments

1. Unacceptable % kill was obtained by both treatments.
2. The % kill obtained with the good quality water from Mt. Edgecombe was superior.

Conclusions:

1. The difference in results could be attributed to the difference in cane height at the time of spray. However, more data is necessary before poor results with Roundup can be attributed to water quality.