Catalyst Project Report

Ozcal trial

Grower Information	
Grower Name:	Stephen Accornero
Entity Name:	
Trial Farm No/Name:	Ozcal trial F#
Mill Area:	Victoria
Total Farm Area ha:	
No. Years Farming:	
Trial Subdistrict:	
Area under Cane ha:	

Background Information

Aim: To improve calcium uptake of plant which will hopefully give us a better cane yield

Background: (Rationale for why this might work)

Th Herbert region has a range of soils in which nearly all soils have a poor pH level. These pH level tie up calcium making it unavailable to the plant. By using a prilled lime we can get an instant uptake of calcium that's available to the plant. By doing this we are hoping to achieve a better yield which in turn will help with nutrient uptake, reducing the chance of nutrients leaving the farm.

Potential Water Quality Benefit:
By fixing the calcium issues within the sugarcane, the plant will be able to process nutrients more readily, reducing the chance for nutrient loss to other pathways

Expected Outcome of Trial:
That the higher rate of ozcal will have a better cane yield

Service provider contact: Megan Zahmel 0447 317 102

Where did this idea come from: Stephen Accornero

Plan - Project Activities	Date : (mth/year to be undertaken)	Activities :(breakdown of each activity for each stage)
Stage 1	**Establish trial 2018**	• Take baseline soil and pachymetra samples – May 2018 • Trial design completed • Plant cane – • Apply treatments -
Stage 2	**Sampling 2018**	• 3rd leaf testing – x2 • pH testing • soil testing for calcium uptake
Stage 3		
Stage 4		
Stage 5		
Stage 6		

Project Trial site details

Trial Crop:	Sugarcane
Variety: **Rat/Plt:**	
Trial Block No/Name:	
Trial Block Size Ha:	
Trial Block Position (GPS):	
Soil Type:	

Block History, Trial Design:

Stephen Accornero

Small plot Ozcal trial

Block

Rep 3	Rep 1	Rep 5	Rep 4	Rep 2
trt 2 R1	trt 3 R5	trt 4 R5	trt 1 R2	trt 3 R2
trt 3 R3	trt 5 R4	trt 2 R4	trt 5 R2	trt 4 R2
trt 5 R1	trt 1 R1	trt 3 R4	trt 4 R3	trt 1 R5
trt 4 R1	trt 2 R5	trt 1 R4	trt 3 R1	trt 2 R2
trt 1 R3	trt 4 R4	trt 5 R5	trt 2 R3	trt 5 R3

Trt 1	Conventional fertiliser 6ES
Trt 2	Conventional fert 6ES + 80kg/ha Ozcal
Trt 3	Conventional fert 6ES + 125kg/ha Ozcal
Trt 4	Conventional fert 6ES + 250kg/ha Ozcal
Trt 5	Ozcal 125kg/ha + nil fertiliser

Treatments:

Trt 1	Conventional fertiliser 6ES
Trt 2	Conventional fert 6ES + 80kg/ha Ozcal
Trt 3	Conventional fert 6ES + 125kg/ha Ozcal
Trt 4	Conventional fert 6ES + 250kg/ha Ozcal
Trt 5	Ozcal 125kg/ha + nil fertiliser

Results:

Conclusions and comments

Advantages of this Practice Change:
Higher yielding cane

Disadvantages of this Practice Change:
Cost of product

Will you be using this practice in the future:

% of farm you would be confident to use this practice :

Catalyst Project Report

Bare fallow versus Soy fallow

Grower Information	
Grower Name:	Richard & Robert Gherardi
Entity Name:	R & R Gheradi
Trial Farm No/Name:	5193A
Mill Area:	Victoria
Total Farm Area ha:	98.6 ha
No. Years Farming:	24
Trial Subdistrict:	Cordelia/Lillyponds
Area under Cane ha:	94.589ha