



**Product Trial Greg Menzies**

**South West Slopes**

**New South Wales**

General information –

Test in crops –

Data collection –



## General information

### General rules for trials

- If machinery (e.g. sprayer, tanks etc.) is used for the trial, use this equipment first for the control field and then do the penergetic field. After the application, clean the machinery. It takes up to several weeks before the effect of the penergetic information disappears from the machinery.
- Penergetic recommends a trial size of 1 hectare.
- For the control field choose the field beside.
- In the case of sloping sites, place the penergetic plot at the bottom of the area, otherwise rain, for example, flushes the penergetic products down on to the control plot.

### Setting up and documenting a measurement

- A photo documentation from the start, during, until the end of the trial period (high quality images) is mandatory.
- Description of the initial situation and the objective.
- Use the data collection form below.

## Data collection: penergetic b KW

### General data

Penergetic consultant	Greg Evans	
Customer	Greg Menzies	Date:25/06/2024
Farm location: country, city	Ashbridge Lane Ganmain	
Using penergetic products for the first time?	<input type="checkbox"/> Yes	<input type="checkbox"/> No, for _____ years
Total farmland in ha	117 hectares	
Objective of the trial	To determine the effective application rate of BKW to deter kangaroos and wallabies from cereal crops.	


### Trial data

Crop type / variety	Barley
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	Area (ha)	Planting/seeding date
Control	60ha	30/04/2024
penergetic test	57ha	30/04/2024

Special weather conditions	Land application by tractor and 34m boomspray
<ul style="list-style-type: none"> <li>● Rain (quantity, when)</li> <li>● Temperature variation</li> <li>● Frost / hail / snow</li> <li>● Others</li> </ul>	

### Products

Penergetic product	Art. no.	Powder		Dosage / ha	Time
<b>penergetic b</b> KV	3158	<input type="checkbox"/>			

#### Recommended Application/Dosage for bKV Kangaroo/Wallaby Animal Deterrent:

Application Rate: 1kg/ha Trial 1

1kg/ha Trial 2 - Border

1.5kg/ha Trial 3 - Border

1kg/ha Trial 4 – 2.5kg/ha Border

Application Sequence: every 3 months with 1 kg/ha

#### Observation and Conditions Pre Trial:

Observation 1:	Plenty of kangaroo activity prior commencement of trial.	
Observation 2:		

Customer quote	

#### Observation and Conditions Mid Trial:

Observation 1:	Kangaroo deterrent very effective at heavier rate, where larger number of kangaroos active.	
Observation 2:		





## Maps of Trial sites.



Trial 1 and 2



Trial 3 and 4



## Trial 1



25/6/24 – Obvious kangaroo activity prior to trial commencing. 1kg to the hectare.



18/7/24 – No Kangaroo Activity since start of trial.



**Trial 2 – 1kg to the hectare, 68 metre border.**



No Kangaroo Activity since commencement of trial.

**Trial 3 – 1.5kg to the hectare, 68 metre border.**



Plenty of kangaroo activity before commencement of trial.



Movement of kangaroos over trial 3 to control plot.





Images show kangaroo trail from Ganmain Forest to Trial 3.



Kangaroos coming under fence to trial 4 area.





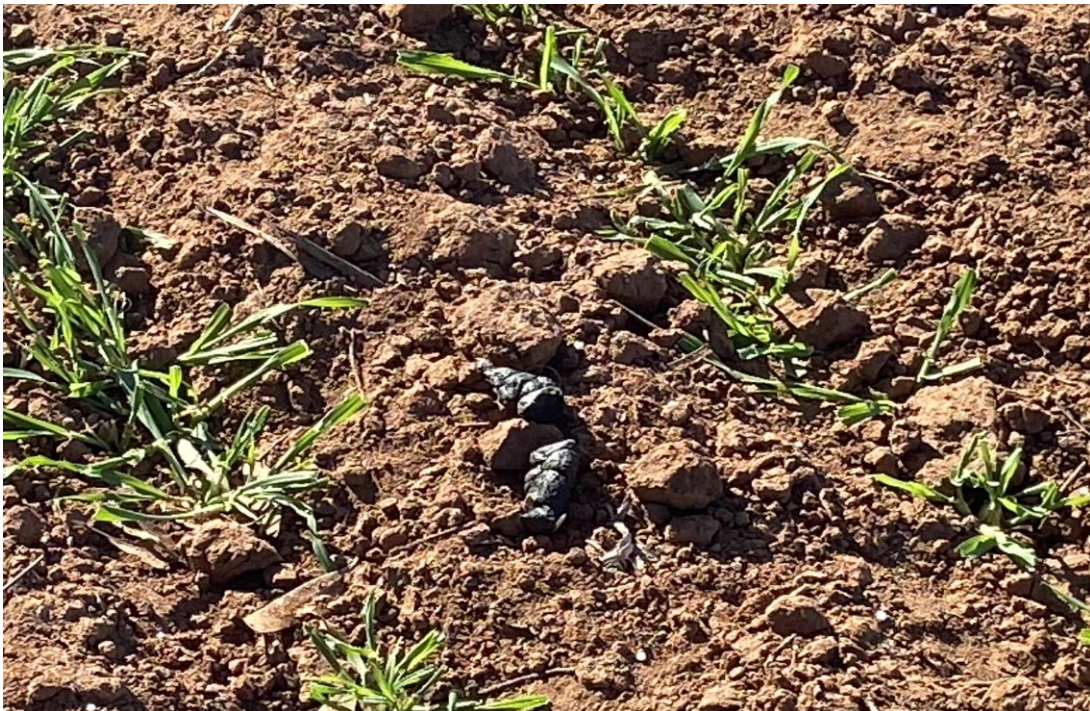
Kangaroo movement on edge control area.



**Trial 4 – 2.5kg 68 metre border. Balance of 1kg**



No Kangaroo activity on full field trial area



Kangaroo activity first 10 metres of border on Trial 4





Obvious kangaroo activity within the first 10 metres of the plot border area, but no obvious damage anywhere else on the main plot.



Greg Menzies - Farmer