



Test design

General information –
Test in crops –
Data collection –



EN_PKD_b_ZV_Test Design_220229.docx

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 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 ZV

General data

Penergetic consultant		
Customer		Date:
Farm location: country, city		
Using penergetic products for the first time?	<input type="checkbox"/> Yes	<input type="checkbox"/> No, for _____ years
Total farmland in ha		
Objective of the trial		

Trial data

Crop type / variety	
---------------------	--

	Area (ha)	Planting/seeding date
Control		
penergetic test		
Animal species	<input type="checkbox"/> gopher <input type="checkbox"/> mole <input type="checkbox"/> rabbit <input type="checkbox"/> voles <input type="checkbox"/> mice <input type="checkbox"/> prairie dog	

Special weather conditions	
● Rain (quantity, when)	
● Temperature variation	
● Frost / hail / snow	
● Others	

Products

Penergetic product	Art. no.	Dosage / ha	Date of application (dd/mm/yy)
<i>penergetic b</i> ^{ZV}	3157		
<i>penergetic b</i> ^{ZV}	3157		

Observed benefit / effect

Observation 1:	e.g.: number of mounds, colonies or holes, photos before and after 3 - 6 month, regular monitoring and pictures
Observation 2:	

Customer quote	

Conclusion and further comments (please do not feel restricted by the amount of space provided, add extra sheets as required):

Pictures

The following pictures are mandatory for each trial:

- Pictures of minimum 10 leaves (overview) and then individual pictures of Test and Control.
- Place a ruler (measuring tape) next to the samples for size comparison
- Add information about evaluation time, number of sprays and when the picture was taken (eg. 22 days after 1st application, picture taken on 02.07.2022)
- Regular monitoring and photos to be taken of the field, leaves and crop details.

Add at least 10 picture-sets according to the following instruction.

Some samples how the photos should look like

