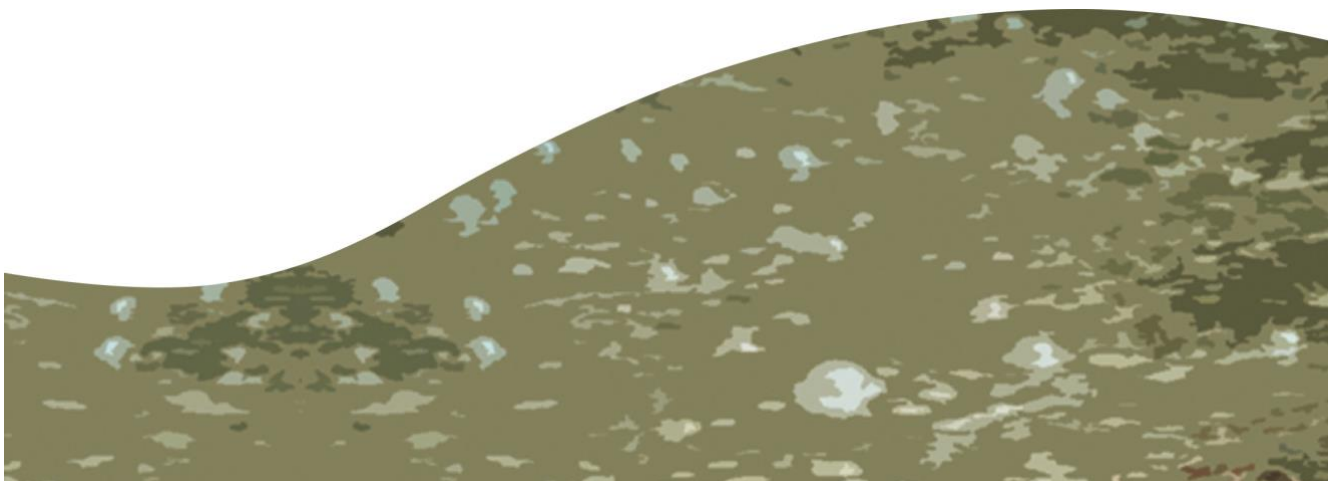




## Test design

General information –  
Data collection –



## General information

### General rules for trials

- Two identical stables must be available. If this is not possible, then make sure that the slurry from the penergetic trial flows into a separate tank, lagoon etc. so that it does not mix with the control slurry. No "connecting" by grids, water pipes, automatic feeders or similar between the trial and control slurry.
- If machinery (e.g. sprayer, tanks, etc.) is used for the trial, use this equipment first for the control field and then for 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.
- If equipment is used (test tubes, watering cans, buckets, containers, etc.) it is essential to use separate instruments throughout the experiment and mark them accordingly.
- A distance of 5 to 10 meters between manure tanks or storage tanks must be kept if possible.
- Attention must be paid in combination with the AquaKat. Water or metal can transmit the effects over long distances (waterpipes etc.).

### In the channel

- Mix penergetic g with water in a watering can and distribute evenly over the channel. A better effect is achieved if 2/3 of the recommended amount is applied at the head of the effluent channel.

### In the pit

- Add penergetic g mixed into water via the agitator or pierce the floating cover with the suction hose and add penergetic g with water through the hose. Suck into the slurry tank and pump the contents back into the pit. Repeat at several points in large pits.

### In the tank and storage facility

- Mix penergetic g with water in a watering can and distribute evenly over the empty channel or cellar. Repeat after each emptying.

### Setting up and documenting a measurement

- A photo documentation from the start until the end of the trial period (high quality images) is mandatory.
- Use previous documentations (evaluations/analyses without penergetic products) to enable a clear comparison.
- If necessary, carry out soil analysis to determine the effect on the soil.
- Description of the initial situation and the objective.
- Use the data collection form below.

# Data collection: liquid manure

## General data

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

## Trial data

Farm system	
Farm size	
Animal species	






Liquid manure storage	<input type="checkbox"/> slatted floors <input type="checkbox"/> underground tanks <input type="checkbox"/> outside storage
	<input type="checkbox"/> lagoon
	<input type="checkbox"/> other:
Composition	<input type="checkbox"/> high straw content <input type="checkbox"/> other:
Type of manure	<input type="checkbox"/> cow <input type="checkbox"/> pig <input type="checkbox"/> poultry / duck <input type="checkbox"/> other:
Flushed into manure	<input type="checkbox"/> milk parlor water <input type="checkbox"/> disinfectants <input type="checkbox"/> yard water
	<input type="checkbox"/> other
Initial situation	<input type="checkbox"/> floating layer <input type="checkbox"/> sedimentation <input type="checkbox"/> odor (smell)

	Stocking rate	Start date	End date
Control			
penergetic test			

### Analysis

Manure analysis	<input type="checkbox"/> Yes (please attach a copy)	<input type="checkbox"/> No
Agitation time / power supply?		

### Penergetic products

	Art. no.	Powder or molasses	g / LSU or g / m3	Interval
penergetic g		<input type="checkbox"/> 		
		<input type="checkbox"/> 		
penergetic t		<input type="checkbox"/> 		
Other penergetic products		<input type="checkbox"/> 		
		<input type="checkbox"/> 		

### Other product information

		N/A
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### Observed benefit / effect

Reduction of floating layer, sedimentation layer or smell, flowability of the manure, fly population, bubbles in the manure, improved barn condition

Observation 1:		
Observation 2:		
Observation 3:		
Observation 4:		

Customer quote	

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

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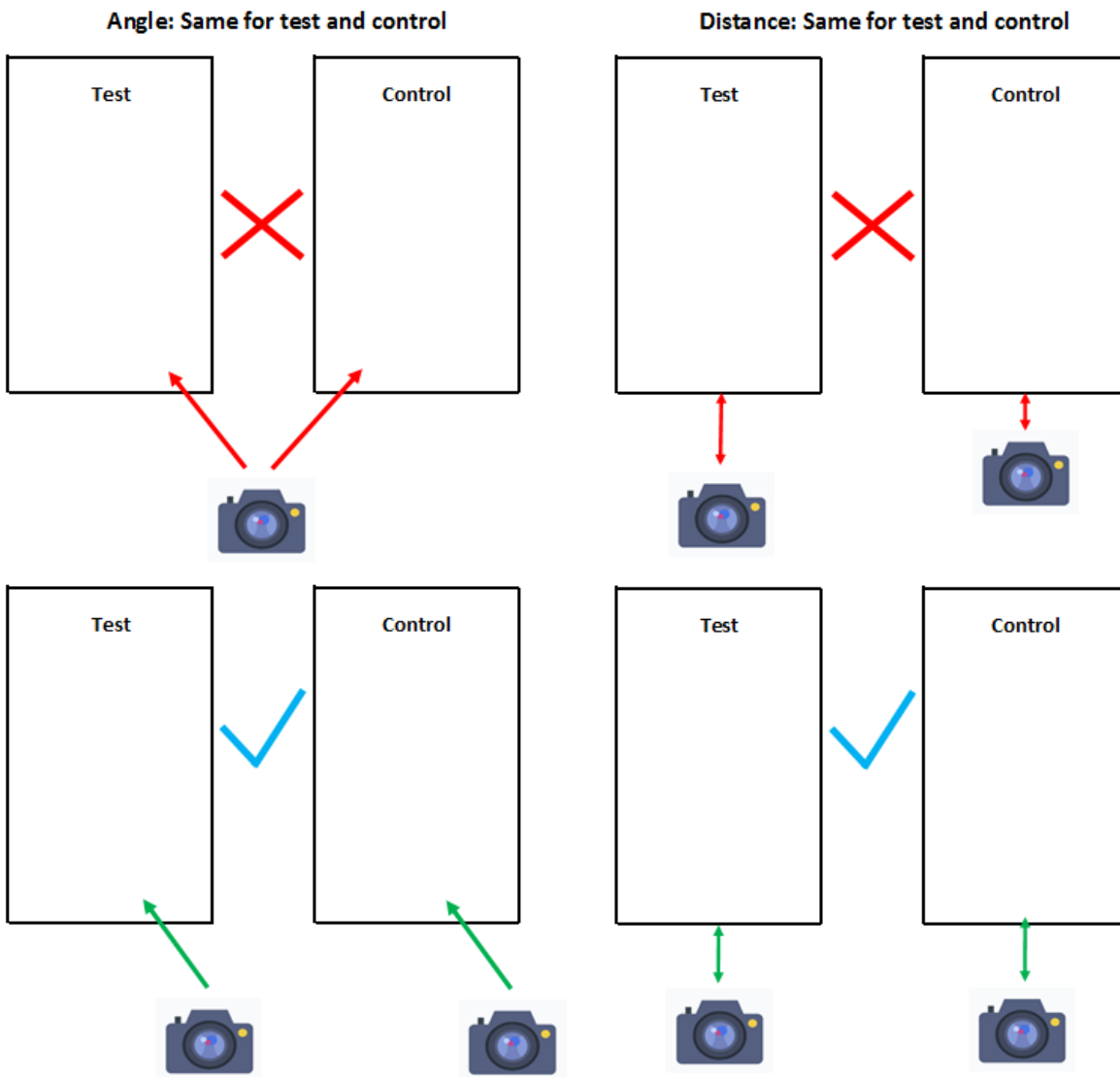
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### Images and illustrations

Please upload at least 4 images according to the following instructions.



**Height: use reference objects or people (same)**

