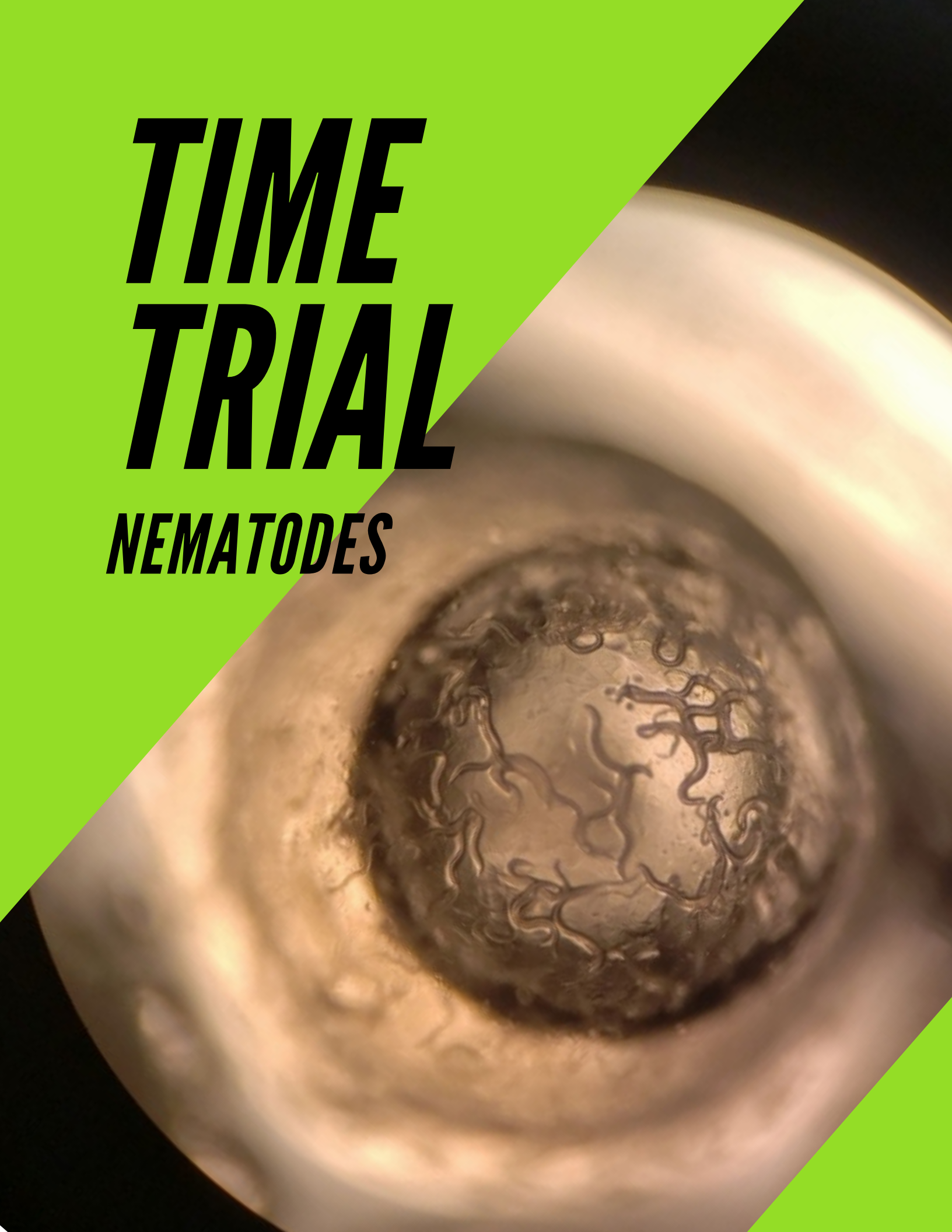


TIME TRIAL

NEMATODES



The Environmental Factor Inc.

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Experiment testing mortality of four different nematodes samples; *Phasmarhabditis* Hermaphrodita (Ph), *Steinerema Kraussei* (Sk), *Steinerema Feltiae* (Sf), *Steinerema Carpocapsae* (Sc) this testing was done three different protocols methods.

Equipment

5 x 500 ml beakers, 10 x microscope slides, 5 x 100 ml beakers, 10 x stir sticks, 1 count plate

Methods:

1. Placed 400 ml of water into beakers, removed teabag gel nematodes from the plastic bag, placed teabag into beakers filled with water. This was repeated for each species of nematodes. A sample from each beaker 1ml added to the count plate and the nematodes were counted. The nematodes that were alive were counted.
2. Placed one gel ball of nematodes onto a microscope slide, cut the gel ball in half and added 5 ml of water and move the gel ball around the slide to spread out the gel. The nematodes that were alive were counted.
3. Placed two gel balls into 100 ml beakers and add 20 ml of water and mix the gel ball and water to make a paste. A 1 ml sample was added to the microscope slid and was observed and nematodes were counted. The nematodes that were alive were counted.

Start time 9:15 am teabag into water and let stand for 15 minutes

Method 1 time	Ph % of the movement	Sk % of the movement	Sf % of the movement	Sc % of the movement	Notes:
9:40	10	5	10	12	The Sk was slow to start moving
11:41	25	15	30	50	
2:52	85	65	85	90	
5:00	90	85	92	95	
Method 2 time					
10:26	35	15	35	40	The Sk was slow to start moving
11:42	60	40	75	75	
2:54	70	60	80	85	
5:10	90	80	90	95	
Method 3 time					
11:30	45	25	50	50	This was the fastest way to test the movement of the nematodes would recommend this protocol
3:00	60	55	65	70	
5:20	90	85	90	96	

Conclusion: All nematodes were found alive and moving as more water is added and time. The 500 ml beaker test simulate teabag placed into a hose-end sprayer. Once the nematodes are sprayed onto soil and watered in the nematodes will work into the soil. This testing proved that placing two gel ball methods is a fast and accurate protocol method to test the movement of nematodes.