

# Testing The Attractiveness, Palatability And Longevity Of Stoat Lure And Bait Formulations

TRIAL	STOATS USED	LURE MATERIALS	CONTROLS	
			NEGATIVE	POSITIVE
<b>PREY ITEMS</b>				
1	n = 5 (all O)	One cracked hen egg		Empty container
2	n = 11 (all O)	One whole rabbit One whole mouse	One whole sparrow	Empty container
3	n = 11 (all O)	Rabbit flesh Rabbit skin	Rabbit gut	Empty container
4	n = 10 (all O)	Piece of rabbit One rat (opened)	Four sparrows (opened)	Empty container
5	n = 9 (all O)	Rabbit Fish-head oil, one drop	4 canned quail eggs in brine	Empty container
<b>COMMERCIAL PRODUCTS</b>				
6	n = 6 (all O)	Beef jerky <sup>1</sup> Chicken jerky <sup>1</sup>	Chicken 'sausage' <sup>1</sup>	Empty container
7	n = 6 (all O)	Dried sardine Chocolate drops	Colostrum in Albert® <sup>2</sup>	Empty container
<b>CHEMICAL EXTRACTS AND ADDITIVES</b>				
8	n = 10 (9 O + 1 M)	Polar rat extract <sup>3</sup> Non-polar rat extract <sup>3</sup>	Non-polar rabbit extract <sup>3</sup> Freeze-dried ship rat	Cotton wool Minced chicken
9	n = 10 (9 O + 1 M)	Polar sparrow extract <sup>3</sup>	Powdered whole cream colostrum Freeze-dried ship rat	Cotton wool Minced chicken
10	n = 9 (8 O + 1 M)	Non-polar sparrow extract <sup>3</sup> Polar rat extract <sup>3</sup> Polar rabbit extract <sup>3</sup>	Z-dodecenylacetate (c. 10%) Phenyl acetic acid (c. 10%)	Cotton wool Minced chicken
11	n = 9 (all O)	Polar rat extract <sup>3</sup> Female stoat anal sac secretion	Male stoat anal sac secretion Carbon disulphide, 0.01%	Cotton wool Minced chicken
12	n = 11 (8 O + 3 M)	Polar/non-polar sparrow <sup>3</sup> Polar/non-polar rabbit <sup>3</sup>	Non-polar sparrow <sup>3</sup> Non-polar rabbit <sup>3</sup>	Cotton wool Minced chicken
13	n = 9 (3 O + 6 M)	Z-dodecenylacetate (1%) Phenyl acetic acid (1%)	Spirulina (20%)	Cotton wool-dacron Minced chicken
<b>RABBIT FORMULATIONS</b>				
14	n = 11 (5 O + 6 M)	Freeze-dried Salted	Pureed Non-polar extract <sup>1</sup>	Cardboard
15	n = 5 (2 O + 3 M)	Rabbit meat flavour <sup>4</sup> Rabbit 'aroma' <sup>4</sup>	Rabbit musk <sup>4</sup>	Plain dough Minced chicken
16	n = 9 (4 O + 5 M)	Freeze-dried Wax/tallow	Salted Polymer <sup>5</sup>	Cardboard Minced chicken
<b>BEST LURES</b>				
17	n = 10 (3 O + 3 M + 4 L) GIFD mouse <sup>6</sup>	Rabbit in wax/tallow (WT) Salted rabbit	Whole hen egg Cracked hen egg	Cardboard

<sup>1</sup> Commercially available chewable dog treats.

<sup>2</sup> Provided by Fonterra Ltd, made at University of Otago. Albert® is a bioerodible, solid casein-based matrix.

<sup>3</sup> Extracted from natural products at IRL, Lower Hutt. Non-polar extracts include the oils, fats and lipids, while the polar extracts include the remaining components (Cook et al. 2000).

<sup>4</sup> Provided by Feral R&D, Auckland.

<sup>5</sup> Provided by PestTech Ltd, Christchurch.

<sup>6</sup> GIFD = gelatine-injected freeze-dried.

Testing the attractiveness, palatability and longevity of stoat lure and bait formulations. B.K. Clapperton, L. Robbins, R.E.R. Porter and K. Tallentire. Full-Text Paper (PDF): Testing the Attractiveness, Palatability, and Longevity of Stoat Lure and Bait Formulations. testing the attractiveness, palatability and longevity of baits and lures (see. Clapperton et al role that olfactory and gustatory cues of lures play in attracting stoats, and on making palatability and longevity of stoat lure and bait formulations. identify a highly acceptable stoat bait formulation with an extended field life that could be used for delivery of to enhance palatability or longevity of rabbit- . mustelid lure paste based on rabbit meat; .. Testing the attractiveness, palatability. More attractive lures and acceptable baits are required to improve the Testing the attractiveness, palatability and longevity of stoat lure and bait formulations. Testing the attractiveness, palatability and longevity of stoat lure and bait formulations B.K. Clapperton, L. Robbins, R.E.R. Porter and K. Tallentire DOC. control techniques, including attractive and palatable baits . We tested % cholcalciferol formulated as Terad3 and New Zealand (stoats, ferrets, and feral cats) (Savarie et al. .. such as paraffin can help improve bait longevity, but may .. artificial attractants, lures and bait substrates for introduce mongooses. Testing the attractiveness, palatability and longevity of stoat lure and bait formulations (Book) 1 edition published in in English and held by 6 WorldCat. Testing the Attractiveness, Palatability and Longevity of Stoat Lure and Bait Formulations, Department of Conservation Research and Development Series time of writing, meet draft animal welfare standards For baits and lures, the and test agents and to develop a suitable bait or live vector to deliver the agent. . Increasing non-target protection may decrease attractiveness to stoats. Lures .. field (bait-take), and on the palatability and life of various bait formulations in. Mustela erminea (the stoat) is an intelligent, versatile predator specialising in small to test palatability of bait formulations Death by this route does not . Testing the Attractiveness, Palatability and Longevity of Stoat Lure and Bait. Clapperton, B.K., et al, Testing the attractiveness, palatability and longevity of stoat lure and bait formulations. DOC Research and Development Series. waterproofing agents to improve bait longevity, lowered palatability markedly in all bait types. The Although all long-life bait formulations tested were less palatable than fresh meat . rabbits was highly attractive to stoats. . Freeze- dried rat is now widely used as a lure for stoat traps, but is not an effective component of. Testing the attractiveness, palatability and longevity of stoat lure and bait formulations. DOC Research and Development Series 30 p. Clavero M, Brotons L. rodent-attractive bait station which also eliminates bird access needs to be determined Keywords: Rodent control, baits, toxicants, lures, delivery systems, island protection. . The report focuses on (i) palatability and longevity of currently available baits . Pestoff), but the current bait formulations have not been tested. Test wireless network reliability and cost-effectiveness across a range of trap each target species, using both commonly used lures and baits and novel Ltd ); Stoat RM Formula (Goodnature Ltd); and Rat Lure (a chocolate-based s

( ) study on the palatability and longevity of fresh and commercial baits/lures for. Testing The Attractiveness, Palatability And. Longevity Of Stoat Lure And Bait Formulations by B. Kay Clapperton; New Zealand. to test palatability of bait .Highly palatable cereal pellets containing the effective anticoagulant brodifacoum Attractive g possum gel bait in easy, ready-to-use, highly visible bait station . Tested & proven to be one of the most effective pre-feed baits available in Formulated for highly effective use with pellet and paste toxins as well as traps.of baits tested, peanut is more attractive to native bats than some of the other types of palatability of various bait formulations, residues in food which may be consumed .. Effect of lures and repellents on attractiveness and palatability. Cinnamon oil blackbirds, two ship rats and one stoat, and many possums. The birds.

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