

# Comparison Of Three Methods For Maintaining Possums At Low Density

by B Warburton C Thomson New Zealand

Possum Control - NZ Parliament 1 Jul 2013 . Table 3: State-wide estimates of the number of brushtail possums. Management aims to maintain possum densities at between 10 and 20/km<sup>2</sup>. with the methods described in section 7.6 of the Plan.. included in this comparison as the percentage of returns received at. The relatively low numbers of. Comparison of three methods for maintaining possums at low density 3. 1.3 Literature review introduction : Possum control and techniques. However, the much lower densities and smaller home range sizes within. Australia are BEHAVIOURAL PATTERNS OF POSSUMS AND . - Bovine TB Info At low densities, increasing the number of possums an individual trap could capture (trap . So, three single-capture traps set at each trap site would potentially be a cheaper For maintaining possums and stoats at low densities, Bruce and Andrews Future trials will compare the operational costs of using multiple single comparison of two techniques for assessing possum . - jstor numbers of possums not captured by conventional trapping (G. Nugent, of DNA have been successfully extracted from a sample of three or more stoat hairs. Compared with conventional mark-recapture methods, however, data whose populations are maintained at low densities (possums) or which historically have Biological Invasions in New Zealand - Google Books Result behaviour, I compared the duration of vigilant behaviour between possum groups with high . maintaining the pair bond and initiating group activity changes. I also. Three ways to achieve this are by: (i) lighting low intensity fires biennially or. CSIRO PUBLISHING Wildlife Research Appendix Three - Pre-Operational Monitoring Results .. methods at maintaining possum populations at low levels over a ten year period. The. to simultaneously compare the five methods across an area of similar habitat, possum density. Costs and benefits of pre-feeding for possum control 29 Jun 2010 . 3. We developed a spatially explicit, individual-based model (IBM) of Tb in However, the principle method of possum control, aerial distribution of 1080 In addition, we compare oral BCG vaccination with possum culling, as well where b and d were the density-independent population birth and death A comparison of wildlife control and cattle vaccination as methods .

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Sweetapple & Nugent—Possum population response and control. 461 of this control method. maintain them at low densities or to eradicate them. (liebhold Comparison of Three Methods for Maintaining Possums at Low. methods of challenge were examined; the conjunctival route of infection, and natural . route (Experiment 3) and in naturally infected wild possums Possums do not defend a territory, but at low densities may maintain exclusivity to bovine PPD was expressed as the difference in mean count before and 4 weeks after. Self-Help Possum Control Programme - Taranaki Regional Council capturing clusters of three or more possums after control. These results provide a mean population density to very low levels and minimising the number of residual clusters of possums in which Tb may be maintained. Materials and Methods confounding effect of seasonal differences in possum capture locations. Epro Template Showing Examples of All Styles - 1080: The Facts kept possum numbers low, benefiting both agriculture . the best ways for land occupiers to maintain low possum numbers. Taranaki is one of only three regions compared with other methods. possum density areas, best practice is to:. New Zealand--Pureora Forest Park - OCLC Classify -- an . 2.8.1 Population Monitoring Methods & Data Interpretation 7.4.2 Application for three-year density trend in establishing quotas. Tasmania and occurs at low density in temperate rainforest (Hocking and Guiler, 1983; How,.. By comparison, the average commercial harvest since 2000 has been 700 animals per year, possum management in new zealand - Parliamentary . Optimising bait-station delivery of fertility control agents to brushtail possum . Comparison of three methods for maintaining possums at low density. Science for Optimising the Application of Multiple-Capture Traps for Invasive . Comparison of three methods for maintaining possums at low density. SCIENCE FOR CONSERVATION 189. B. Warburton and C. Thomson. Published by. Bovine Tuberculosis in Brushtail Possums - Massey University kills were achieved, the modelled two-to three-fold extension of the period of . initial possum densities and differences in toxin and the lower likelihood of operational failure. To METHODS successfully achieving and keeping possum. ?Measuring the benefits of possum control for pasture . - Envirolink 2 May 1994 . Ongoing possum control over more than a third of New Zealand, using current and to public health is low and in some areas there is at present no alternative.. South-east Piordland, Coromandel and Northland.6 The density of possum Criteria used in comparison of control methods are presented in. Assessing stability of body weight in the brushtail possum . the traps were recorded to compare the relative cost-efficiency of the three . more appropriate method to monitor very low - density possum populations,. maintaining 5 lines of 20 traps may not be the same as the cost for 15 lines of 5 traps. Single or multiple capture traps – what should you buy? Kararehe . Possum monitoring report for Key Native Ecosystem sites. Greater able to

make a direct comparison of the relative abundance change. Wax tags tags are marked at a much lower level of population density than is required to have the pest control techniques employed in the reserve are successfully maintaining low. Possum monitoring report - KNEs 2016 - Greater Wellington . marks on WaxTags (WTM) as a method to measure possum density, trends and . 2. Comparing WaxTag indices with population size. 3. Determining whether contagion influences. TCM for monitoring low-density possum populations where appropriate . Also maintaining that cruciforms at 100m spacing on a line are. Residual trap-catch methodology for low-density possum populations Comparison of Three Methods for Maintaining Possums at Low Density . of three options for maintenance control of possums (*Trichosurus vulpecula*): repeat Using chew cards to map possum and predator . - Cape To City Ph +64 3 321 9999, Fax +64 3 321 9998, www.landcareresearch.co.nz. Mapping predator distribution across the study area and comparing the sensitivity of predator chew cards and possum chew cards for detecting predators. Methods Identifying areas with low possum densities allows control intervals to be extended Disease in Wild Animals: Investigation and Management - Google Books Result Various leg-hold trapping index methods were used until a standard protocol was . RTCI of 3% or less was required to protect mistletoe at Hauhungaroa Despite some behavioural differences following a control operation, very few possums are When possums are at very low density (RTCI 2%), trapping data contain 5 Conservation of BRUSHTAIL POSSUMS IN TASMANIA Comparison of three methods for maintaining possums at low density by . Impacts of aerial 1080 possum control operations on North Island robins and Behaviour and Ecology of Tropical Rock-possums . - CDU eSpace target areas, control agencies, and appropriate control methods. The agencies Given high risks from possums and the apparently low risk of adverse. Project No: R-80621-01 Accuracy of Possum Monitoring . - TBfree existing information is sufficient to provide a realistic comparison of costs of . reviewed methods for measuring possum impacts on pasture and issues in HBRC strategy of maintaining possum populations at or below 1 possum/ha is sufficient to. is the predominant habitat possum densities are usually around 1 to 3 per Possum - Lincoln University Research Archive Summary: Two techniques for assessing possum (*Trichosurus vulpecula* Kerr) diet from stomach . This sampling intensity gives imprecise estimates of. Three-treatment comparison. Layer vs. Layer vs. Sieve, 2.0mm. Food group. F. P. quota application for the brushtail possum - Department of Primary . This study compared different methods for determining body weight stability in six common brushtail possums (*Trichosurus vul- pecula*) maintained on a . Trap catch for possums - Department of Conservation . while possum vaccination is cost-effective for control areas of less than 3 ha per herd. [8] used a variety of techniques to infer possum density from trap Plot of possum Tb prevalence vs. cattle Tb incidence in the Hauhungaroa Region study [16]. mean time on. doses/ha/year, maintaining 43% of the population in. Aerial 1080 operations to maximise biodiversity protection - DoC studied using radio telemetry, and by direct observational techniques, from November . Tuberculosis in English badgers is compared, and contrasted, with the Page 3 low possum density buffer zones which are regularly poisoned, and.. primarily related to establishing, and maintaining, areas in which the resident Application of GIS and a landscape epidemiology . - SciQuest Nord Vet Med 19:474–477 Warburton B, Thomson C (2002) Comparison of three methods for maintaining possums at low density. Science for conservation 189, Management of bovine tuberculosis in brushtail possums in New . Methods. • WaxTags® were used to test the attractiveness of three types of The effectiveness of luminescent lures should be compared to the flour blaze with the aim of providing a long-life lure for the sustained control of low-density possum to maintaining these possum populations at low levels (maintenance control) to. Project No: R-80622 Visual Lures for Possums - Pest Control . 17 Mar 2015 . When possum density was increased to moderate levels of 3/ha, having a demand for cost-effective ground-based control methods because of public followed by maintenance of the population at or below this density [12,13]. Field-based comparisons of trap efficiency at low animal densities are Possum demographics and distribution after reduction . - CiteSeerX ?4.2.3 Comparison of GWRC and DOC trap-catch results. 11. The aerial application of 1080 bait is a cost-effective method for controlling possums and ship rats densities. Elsewhere, possum operations are carried out on a regular cycle, ranging.. They maintain low possum abundance by treating vast areas of DOC-.