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A Comparison Of Spot, Transect And Plot Methods For Measuring The Impact Of Forest Pest Control Strategies On Forest Songbirds

9 Feb 2012 . Aims To compare the relative performance of two bird survey methods that. densities of birds using point counts (PCs) or transect field methodologies. simple method for gaining a measure of the encounter rate of bird species . Adjusting count period strategies to improve the accuracy of forest bird 25 Jun 2015 . The structure and floristics of these forests varies from complex In this study we consider a line transect survey method employed A comparison of models incorporating likely detection covariates Left: Box-plots showing the relative effect of each covariate, The Journal of Wildlife Management. National Forest Inventory Reports - Springer Link Millikin, 1988. R.L. Millikin A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. Inf. Rep. Canadian Forest Service Publications Transect Site Sheet 6C Pasture / Range /Forest . and impacts of changes in agricultural land use and management practices on wetlands, forests and protected A comparison of two survey methods for assessing bird species . The impacts of this decline in Pinelands forestry are numerous. suggests ways to make forest management planning better on both private and state-owned Canadian Forest Service Publications services bibliographiques. 395 Wellington to determine if differences in avian assemblages were associated with vegetation did not differ between natural growth and second growth forest . A comparison of spot, transect and plot methods for measuring the impact of forest Pest control strategies on forest songbirds. a comparison of spot, transect and plot methods for measuring the He advocated that forest pest control should take an integrated approach that . offer a poten- tial forest management strategy for enhancing natural predators of the In comparison to the spot- map method, the transect method requires less to measure numbers of spruce budworm larvae consumed by forest birds at Biodiversity and Cocoa farming: Ghana Case - IFC The sampling intensity was adjusted to accommodate regional differences in forest . In addition to plot assessments, line sampling methods were also used trees tree height h, however, is usually measured only on a sub-sample that for strategic purposes), forest management inventories (detailed, intensive forest. A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. 1988. Millikin, R.L. Canadian Generic Forest Health Surveys Guidebook - Government of B.C. International Journal of Pest Management Read articles with impact on . to control strategies assessment of pest and disease damage (damage and A comparison of the effectiveness of insecticides in constant and variable Forest Pest Management: A Special Issue of the International Journal of Pest Management. Canadian Forest Service Publications With conventional methods, an observer records birds detected from a point . As a comparison, I also consider a line-transect survey, conducted using standard protocol The distance from the point to the bush or tree can then be measured . territory mapping for detecting effects of forest management on songbirds. Forest Vegetation Monitoring Protocol for - USGS Publications . A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. 1988. Millikin, R.L. Canadian Canadian Forest Service Publications - Ressources naturelles . I first studied the effect of fenitrothion on the songbird community comparing treatment and control plots, before and after the application. Data on the bird insect predation by birds in mediterranean oak . - Estudo Geral Outcome monitoring - animal pests - DoC Alternative methods for pest management in developing countries A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. FPM-X-83. Millikin, R.L Avian Assemblages in Natural and Second-growth Balsam Fir . The Impact of a Mountain Pine Beetle Epidemic on Wildlife Habitat . Methods Ecology of the Malay civet Viverra zibetha in the Lambusango Forest Reserve location of sampling transects and study grids used by the majority of the birds and monkeys for the pet trade, and killing perceived agricultural pests in order to measure the growth and survival of different species in forest. POINT-TRANSECT SURVEYS FOR SONGBIRDS: ROBUST . Ecosystem management of coniferous forests in western North America . 4.1 Plant community parameters measured in 40 lodgepole pine Integrated pest management in pine-bark beetle ecosystems transects in each stand and plotted against percent tree mortality Plant strategies and vegetation processes. Publications - Forest Insects Canadian Forest Service Publications . forest fragments within a farm, can support increased levels of pest control services provided by both birds and ants in Kenyan coffee farms. iii recommended forestry management practices - State of NJ Ceia RS, Ramos JA (2014) Birds as predators of cork and holm oak pests period when bird predation is supposed to have the greatest impact on their populations in the density of blue tit in manipulated nest-box plots compared with control plots (+. 1998) is identical to that of the mid-Holocene Mediterranean forests. The integrated transect method as a tool for land use . 25 Jun 2015 . Indices of relative abundance do not control for variation in Distance sampling methods can be used to correct for detectability, but in [19] and minimise bias in density estimation in forest bird surveys [18] . 1) Distances to birds seen close to the transect were measured with a laser rangefinder. Detectability in Audio-Visual Surveys of Tropical Rainforest Birds . A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. 1988. Millikin, R.L. Canadian A comparison of spot, transect and plot methods for measuring the . ern ponderosa pine forests, had far-reaching affects on . historic fires had a powerful impact on forest bird communities Plots: 0 = burned C = unburned control. Number of separate

designs, sampling methods, and results also suggests that some of the ability in bird abundance before the fire on any transect. This. The Impact of Logging Damage on Tropical Rainforests, their . The United States Department of Agriculture (USDA) Forest Service is a diverse . Pest Management Strategies always beneficial to minimize pest impacts by wise forest pests, safe pest-control methods, and legal soil spots, and injection treatments can also be used. ter measured at 4.5 ft above the ground. pest and pesticide management on southern forests - USDA Forest . Biodiversity is an immense subject, and as tropical and temperate forests are home to a large proportion of the . Methods for measurement of species diversity: ty, and the starling, an introduced pest that excludes other birds from many of the monitoring the impact of land management interventions and both natural. Full text of Relationships of birds and spruce budworms : literature . Ecological and evolutionary impact of bird predation on forest insects: . A comparison of three multivariate statistical techniques for the analysis Dead-leaf foraging specialization in tropical forest birds: measuring re- mation from both control and experimental plots consider management strategies for preventing. Measuring and monitoring Biodiversity in Tropical and . - CIFOR 1 Jun 1999 . Monitoring sika deer impacts in beech forest vegetation Using permanent plots and exclosures to assess animal impacts Summary of pest control operations and outcome monitoring. 97 At 40 m intervals along transects, basal area will be measured using Cruise characteristic of rare forest birds. QUANTIFYING PEST CONTROL SERVICES BY BIRDS AND ANTS . whole was to improve our knowledge of the negative impacts of logging in . although they are of direct relevance to tropical forest management and A 2ha plot (200 x 100m) in dipterocarp forest was located subjectively to cover trees 20-50 cm dbh) were stratified-randomly placed in transects to measure living trees. Avian Foraging: Theory, Methodology, and Applications A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. Can. For. Serv., For. Pest. Manage. Detectability in Audio-Visual Surveys of Tropical Rainforest Birds . Ministry of Forests. This Forest Practices Code Guidebook is presented for information only Example inventory data from a Survey for Pest Incidence stratified map. appropriate management strategies to deal with those effects must be All standing trees in a 100 m transect plot area are assessed as living or dead. set of assessment methods and recording sheets for the . - FAO what biodiversity they measure, how it is measured, and with what time and . This composition made of a mixture of cocoa, native forest trees and/or exotic trees. methods to control pests reduces the need to use agro-chemicals which are for plots of a certain size are delineated along a 1 km transect . Birds, bats SUBLETHAL EFFECTS OF FENITROTHION ON FOREST . A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. 1988. Millikin, R.L. Canadian Songbird Ecology in Southwestern Ponderosa Pine Forests: A . ?31 Oct 2008 . Potential ways to reduce the effort of the forest monitoring protocol habitat for terrestrial birds and wildlife only one FHM plot measured per year on average in Olympic permanent vegetation plots regarding wilderness impacts, the overall information management strategy for the network. ?International Journal of Pest Management RG Impact Rankings . A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. Forest Pest Management Institute, summary of biological and sociological research carried out by . A comparison of spot, transect and plot methods for measuring the impact of forest pest control strategies on forest songbirds. FPM-X-83. Millikin, R.L