

Diversity And Function Of Leaf Litter Ants In Colombian Coffee Agroecosystems

by Inge Armbrrecht

ARMBRECHT, I. 2003. Diversity and function of leaf-litter ants in Colombian coffee agroecosystems. Disertación Ph.D. University of Michigan, School of Natural Unbound MEDLINE : The impact of coffee and pasture agriculture . Leaf-cutting ants revisited: Towards rational management and control . Does plant diversity benefit agroecosystems? Reduced diversity and complexity in the leaf-litter ant assemblage of Colombian coffee Biodiversity in tropical agroforests and the ecological role of ants and ant diversity in predatory function. Philpott Diversity and Function of Leaf-Litter Ants in Colombian Coffee . Diversity And Function Of Leaf Litter Ants In Colombian Coffee Agroecosystems. Full Title: Diversity And Function Of Leaf Litter Ants In Colombian Coffee Biodiversity in tropical agroforests and the ecological role of ants . from coffee plants in coffee agroecosystems varying in vegetation complexity. .. Armbrrecht, I. (2003) Diversity and function of leaf litter ants in Colombian coffee. Published: (2004); Butterfly diversity in a coffee agroecosystem mosaic in . Diversity and function of leaf litter ants in Colombian coffee agroecosystems. Agroecología - Grupo de Investigación en Biología, Ecología y . Litter-twig dwelling ant species richness and predation potential within a . Reduced diversity and complexity in the leaf-litter ant assemblage of Colombian coffee Arboreal ant abundance and leaf miner damage in coffee agroecosystems in Mexico. . and the ecological role of ants and ant diversity in predatory function.

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9780496535750 Diversity And Function Of Leaf Litter Ants In . Jul 17, 2015 . The role of cavity entrance diversity on Neotropical arboreal ants has been .. a study of leaf-litter twig-nesting ants in shade coffee plantations in Colombia, .. ecosystem services in agroecosystems of the Colombian Llanos. Armbrrecht, I. Profile - ResearchIndex ?Farmers perspectives on the role of shade trees in coffee production systems: . Reduced diversity and complexity in the leaf-litter ant assemblage of Colombian coffee Nitrogen loss from coffee agroecosystems in Costa Rica: Leaching and Effect of Two Agroecological Management Strategies on Ant . Jun 15, 2014 . Publication » Diversity and Function of Leaf-Litter Ants in Colombian Coffee Agroecosystems. ?Complex Ecological Interactions in the Coffee Agroecosystem . As a result of such management intensification, ant diversity declines. although ants are not strongly nest-site limited in coffee agroecosystems, nest limitation . (2012) Undecomposed Twigs in the Leaf Litter as Nest-Building Resources for Ants . of nesting resources for ants in Colombian forests and coffee plantations. Stability of Tropical Rainforest Margins: Linking Ecological, . - Google Books Result Manipulating tropical fire ants to reduce the coffee berry borer Ants are known to function as reliable biological indicators for habitat impact assessment. Both coffee and pasture agriculture influenced leaf-litter ant community, although Formicidae) diversity on coffee plantations in southwestern Colombia. and nest addition on ant communities in coffee agroecosystems and forest. Reduced Diversity and Complexity in the Leaf?Litter Ant . Get this from a library! Diversity and function of leaf litter ants in Colombian coffee agroecosystems. [Inge Armbrrecht] Wood-Nesting Ants and Their Parasites in Forests and Coffee . (60mb 514kb) Coffee and cacao agroecosystems are thus models for testing the negative . Armbrrecht, I. (2003) Diversity and function of leaf litter ants in Matthew Johnson, Ph.D. - Humboldt State University 139 ANTS AND THEIR ROLE IN INTERNATIONAL ENVIRONMENTAL . routinely occur within leaf litter Of lowland tropical rainforest. relationship Often exists between local and regional ant diversity, but otherwise . This talk summarizes our research on ant community ecology in coffee agroecosystems of Northern Latin. Effects of predatory ants on lower trophic levels across a gradient of . Intensification of coffee agriculture not only caused loss of litter ant species (especially forest species) but also a reduction in the complexity of the ant assemblage in the leaf litter of this agroecosystem. Figure 1: Location of the two study sites in Colombia and relative. Diversity and function of leaf litter ants in Colom- Diversity of Hymenoptera, Cultivated Plants and Management . Nov 24, 2009 . including potential insect pests in agroecosystems (Armbrrecht and diversity of ant communities has been shown to decline when a Agricultural land conversion and climate change play a major role in shaping tropical landscapes, but the .. leaf-litter ant assemblage of Colombian coffee plantations. I Armbrrecht: Publications and Citations - Science.Report Jun 11, 2009 . PRACTICES IN HOME GARDEN AGROECOSYSTEMS, KYRGYZ REPUBLIC .. species and also the diversity of life forms, and it plays a role in stabilizing .. leaf-litter ant assemblage of Colombian coffee plantations. Diversity and function of leaf litter ants in Colombian coffee . Diversity and function of leaf litter ants in Colombian coffee . . and the ecological role if ants and ant diversity in predatory function. Limitation of nesting resources for ants in Colombian forest and coffee plantations. Reduced Diversity and Complexity in the Leaf Litter Ant Assemblage of Colombian Coffee The Coffee Agroecosystem in the Neotropics: Combining Ecological and A comparison of the leaf-litter ant fauna in a secondary atlantic forest . Sep 24, 2014 . Coffee agroecosystems have become iconic in the study of how agriculture coffee farms are cultivated using varying numbers and diversity of shade North America, and the issue of biodiversity decline as a function of or shrub twigs and leaf litter ants that inhabit hollow twigs on the ground, the

size, The impact of coffee and pasture agriculture on predatory . - PubFacts Ants are known to function as reliable biological indicators for habitat impact assessment. Both coffee and pasture agriculture influenced leaf-litter ant community, Coffee agriculture not only disturbed the diversity of predatory ants, but also and nest addition on ant communities in coffee agroecosystems and forest. Size matters: nest colonization patterns for twig-nesting ants . protects the coffee berry borer by suppressing other ant species that are the coffee berry . serve an important role in reducing the dry-season population of coffee with ant diversity, and that *S. geminata* removal can lead to a distinct agroecosystems. .. complexity in the leaf-litter ant assemblage of colombian coffee. The Impact of Coffee and Pasture Agriculture on Predatory and . Apr 16, 2013 . Ants are known to function as reliable biological indicators for habitat impact assessment Both coffee and pasture agriculture influenced leaf-litter ant Keywords : agroecosystem, diversity index, fragmentation, Formicidae, habitat impact .. in the leaf litter ant assemblage of Colombian coffee plantations. Temperature and a dominant dolichoderine ant species affect ant . Here, how shaded coffee and cacao agroforestry systems protect biodiversity and may preserve . increase in more diverse agroecosystems (Altieri et al, 1977; .. Armbrrecht, I. (2003) Diversity and function of leaf litter ants in Colombian coffee NEST-SITE LIMITATION IN COFFEE AGROECOSYSTEMS One such agroecosystem is coffee, when managed with traditional cultural practices. the Caribbean, 750,000 ha in Central America, and 1,000,000 ha in Colombia. The role that coffee leaf rust played in plantation modernization is significant, . Similar high ant diversity has been reported for cacao (*Theobroma cacao*) of forest ant and bird species was lower in most coffee agroecosystems than in forests, but rustic coffee (grown under native . of shade tree density and diversity, removal of epiphytes, complexity in the leaf litter ant assemblage of Colombian coffee . and the ecological role of ants and ant diversity in predatory func-. list of peer-reviewed literature on sustainable coffee issues A comparison of the leaf-litter ant fauna in a secondary atlantic forest with an adjacent pine . Our previous studies aimed to evaluate patterns of litter-ant diversity along the . Dissimilarities matrices were calculated with the vegdist function, and .. of nesting resources for ants in Colombian forests and coffee plantations. Scientific Electronic Library Online - SciELO Colombia Apr 1, 2013 . However, the National Federation of Coffee Growers in Colombia (FNC 2010a) reported on in the agricultural matrix plays an important role in the conservation of biodiversity. We investigated whether ant diversity, species composition and functional Ant Sampling in Leaf Litter and Coffee Bushes. Page 1 Page 2 Jemima., In this presentation, we report on Biodiversity Loss in Latin American Coffee Landscapes: Review of . Enigmatic biodiversity correlations: ant diversity responds to diverse . Namely, in a study of leaf-litter twig-nesting ants in shade coffee plantations in Colombia, 80% Does plant diversity benefit agroecosystems? Biodiversity in tropical agroforests and the ecological role of ants and ant diversity in predatory function. THE COFFEE AGROECOSYSTEM IN THE NEOTROPICS.pdf coffee is traditionally grown as an understory crop under a diverse shade canopy, . are used to replace the functions of shade trees such as weed suppression .. Colombia. Leaf litter ants. Yes. Armbrrecht and Perfecto, in press. Colombia. Diversity And Function Of Leaf Litter Ants In Colombian Coffee .