
Fungus Growing Ants North America

recent findings in fungus-growing ants: evolution, ecology ... - 3 fungus-growing ant tribe. the ants are composed of currently 13 recognized genera and over 200 species, although the basic ecology and behavior for many of these species has yet to be **the fungus-growing ant genus apterostigma** - fungus-growing ants in the tribe attini are one of only a few animal groups that practice true agriculture. because, so far as is known, this fungicultural life-history strategy is entirely unique **a398 22a 701. - university of toronto** - both within and between species and genera of fungus-growing ants, we studied 22 species of attine ants representing 8 genera for the presence of the actinomycete. **fungus-growing ants - science** - references and notes 1. "ground-based astronomy-a ten-year pro-gram," nat. acad. sci. nat. res. council publ. (1964), pp. 1-105 (the whitford re-port). **a review of the north american species of the fungus ...** - winter, the ants and the fungus garden enter extended dormancy, a phenomenon unique among the attini (weber 1956). the study of north american trachymyrmex began with the description of t. septentrionalis by mccoock **fungus growing ants of north america - lionandcompass** - title: fungus growing ants of north america.pdf author: book pdf subject: free download fungus growing ants of north america book pdf keywords: free downloadfungus growing ants of north america book pdf, read, reading book, free, download, book, ebook, books, ebooks, manual **evolution of cold-tolerant fungal symbionts permits winter ...** - evolution of cold-tolerant fungal symbionts permits winter fungiculture by leafcutter ants at the northern frontier of a tropical ant-fungus symbiosis **symbiont fidelity and the origin of species in fungus ...** - fungus-growing insects and their cultivated fungi11-17. all of the 235 described species of fungus-growing ants (tribe attini) obligately depend on the cultivation of fungus for food 18 . **the ants of north and central america: the genus ...** - mackay wp, maes j-m, fernández pr, luna g. 2004. the ants of north and central america: the genus mycocepurus (hymenoptera: formicidae). 2 7pp. **experimental evidence of a tripartite mutualism: bacteria ...** - tween fungus-growing ants and their fungi traditionally has been thought to involve only two symbionts associated in near isolation from other organisms (weber **insect-fungal associations: ecology and evolution** - part ii. fungi mutualistic with insects 7. reciprocal illumination: a comparison of agriculture in humans and in fungus-growing ants 149 ted r. schultz, ulrich g. mueller, cameron r. currie, **non-specific association between filamentous bacteria and ...** - abstract fungus-growing ants and their fungal cultivar form a highly evolved mutualism that is negatively affected by the specialized parasitic fungus escovopsis. **repeated evolution of crop theft in fungus-farming ...** - for example, the most highly evolved fungus-growing ants and ambrosia beetles possess organs for secure transmission of symbiont spores during dispersal and hence across generations. **isolation of the symbiotic fungus of acromyrmex pubescens ...** - 1 isolation of the symbiotic fungus of acromyrmex pubescens and phylogeny of leucoagaricus gongylophorus from leaf-cutting ants bich gaa,b, castrillo mla,b, villalba llb and zapata pdb **a phylogenetic hypothesis for the trachymyrmex species ...** - reliance on fungi as the dominant food source evolved only once in ants, in the fungus-growing attini (myrmicinae), that includes species necessarily dependent on the cultivation of a mutualistic fungus to feed adults and larvae (mueller et al ., 2001).

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