





Dung beetle for parasites control in farm animals

The program was initially as an exclusive extension project. Basically, the objective was to stablish a colony of the African dung beetle (*Digitonthophagus gazella*) in our campus and release the beetles in our region to control parasites, mainly horn fly (*Haematobia irritans*), a major concern for the livestock production.

However, to discover more about the biology of the beetle, studies were conducted in the lab. After release thousands of beetles, traps were mounted to recapture the beetles and a survey were done with the producers. In some ranches, the beetle recovery rate was low. Analyzing the survey results, we could notice the parasite management, mainly regarding the type of drug used, affect the dung beetle population. We used the results to educate the producers about the ecology of the beetles and the biology of the parasites, toward the utilization of strategic control with products no harmful to the beetles.



The Superbeetle project was improved with the partnership with Sao Paulo State University allowing the research to expand to native dung beetles. The richness and biodiversity of the native dung beetles were studied in western and southern Bahia.



The project was very successful with many publications on internet, radio and TV interviews. In the region and in my university, people used to call me "Professor Dung Beetle". I was proud to be the "ambassador" of dung beetles and spread their importance for ecology and agriculture.

Superbeetle Project in the media:

https://www.youtube.com/watch?v=gbPo2Hbtu64



https://www.agrolink.com.br/noticias/besouro-e-usado-para-controlar-parasitos-dogado 82990.html

http://livrozilla.com/doc/464958/benef%C3%ADcios-dos-besouros-copr%C3%B3fagos-%C3%A0-pecu%C3%A1ria-danilo-gusm...

http://agropecuarianutriverde.blogspot.com/2009/01/besouro-e-usado-para-controlar.html

Enterfacion das hencieres copitilagos à passària

Deleto Dunindo de Dasabria⁷ & Parramós diversitas Prantos

Tao, Aug., 2010, 4200 (3), Nees e Donis en Jackenis als Universitée Déstado Publica (MAP), Provent Donis et al. (2010) e Roboti e Roboti e Polyado en al (2010), 2010 Provinsi e Roboti e Proventi (3), 420 (1903) (3), 300 (4), 400 (4), 511 (4), 513 (4),



C files.res

On benoute captibility also intense que se denortem sectoreminente de accumentes de mechanica, tento así tempe extense, quante tanvas. Dende an technic alimentes máticas estánticas que sectore de cultures. Elle consectentes periode, tecesta ales, promoverde a deserricturação e decontiguação de teces.

O gravos intereses de pessavanteres e pessantes por becomo coprilegos las des a parte de 1980, com a sistemação de part elíbrias de transisto de manementer de bostos econstituivemente atuativemente na superificia des participem portunidades. A principa costribuição de transport contacemento de las plantopementes a partegense las plantos e tempor contacemente de las participementes de partegense las plantos e tempor contacemente de las contacementos a partegense las plantos e tempor contacemente de las contacedores d'Universitades an las portegenses plantos e tempor contacemente de las contacedores d'Universitades as partegenses plantos de tempor contacemente de las contacedores d'Universitades de las contacedores de las contacedores d'Universitades de las contacedores de las contacedores de las contacedores d'Universitades de las contacedores de las contaced





BIODIVERSIDADE DE COLEÓPTEROS COPRÓFAGOS EM TRÊS DIFERENTES ÁREAS DO SUL DA BAHIA

<u>Oziel Pinto Monção¹</u>, Geovane Gomes Carvalho², Paulo Roberto Cleyton de Castro Ribeiro³, Danilo Gusmão de Quadros⁴





IMPORTÂNCIA AGRONÔMICA DE COLEÓPTEROS COPRÓFAGOS

Oziel P. Monção¹, Danilo G. de Quadros², Daiana Nara Santos de Oliveira¹, Raimundo Guedes de Almeida¹, André Ricardo Gomes Bezerra¹, Ithana dos Santos Mauricio¹