

Suggested Pharmacophagy of the African Bushhopper

***Phymateus leprosus* (Fabricius) (Pyrgomorphidae, Orthoptera)**

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The bushhopper *Phymateus leprosus* (Fabricius) in the field shows a special appetite for the milkweed *Asclepias fruticosa*. Asclepiadaceae, like Apocynaceae and Scrophulariaceae, contain cardiac glycosides. Raw and purified extracts of these plants phagostimulate larval and adult *P. leprosus*. We also screened natural and half-synthetic compounds found in those plant extracts. While saponins and sapogenins did not stimulate the animals, many cardiac glycosides and aglycones, offered on filter paper, proved to be phagostimulants.