

**MAHOGANY (*Swietenia macrophylla*) SEED EXTRACT
AS MOLLUSCICIDE**

Abstract of the Disclosure

5 Disclosed is a utility model for a molluscicidal composition derived from
mahogany (*Swietenia macrophylla*) seeds. The composition comprises 200
grams of powdered mahogany (*Swietenia macrophylla*) seeds and 800 grams
of ethanol, prepared through a simple maceration and filtration process. The
extract contains naturally occurring bioactive compounds such as saponins,
10 flavonoids, terpenoids, and alkaloids, which exhibit molluscicidal properties
against agricultural pests including the Golden Apple Snail. The utility model
provides an environment-friendly, low-cost, and locally producible alternative
to synthetic molluscicides, requiring minimal equipment and posing reduced
risk to humans, animals, and the environment.

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