

Desert Medicine Research Centre (DMRC), Jodhpur

Calotropin, a New Bio Larvicide against vector of dengue

Product/Process: A compound Calotropin useful as an effective vector control agent for dengue.

Application/ Uses: This is first plant extracted larvicidal compound against mosquito vectors of dengue fever and hemorrhagic fever.

Salient technical feature:

- The latex of desert shrub *Calotropis* gives efficacy of killing larvae at a certain concentration.
- It also shows ovicidal action against eggs of *Aedes aegypti*.

Level / scale of development: The technology has been developed up to laboratory scale.

Status of Commercialization: An Indian patent (Application no. 389/DEL/2008) has been filed.