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Mariette Maroun* (maroun@ulm.edu), 700 University Ave, 349 Airway Sc. Bldg, Monroe, LA 71209, and **Youssef M Dib** (dib@ulm.edu), 700 University Ave, 33 Airway Sc. Bldg, Monroe, LA 71209. *Permanence of the Water Hyacinth in Northeast Louisiana.*

The invasive specie of Water Hyacinth was introduced into the United States of America in late 1800. This aquatic plant consist of three different stages. It take over upon introduction into fresh water bodies because of its sexual and as-sexual reproductive system. From early 1970's till now, scientists have been trying to control it in different manners from chemical to biological. A model will be provided to show that long term control of this plant depend only on its survival. (Received September 01, 2009)