Control of mosquitoes through exploitation of their natural enemies to suppress them has been given high priority in California for many years. More studies have been approved and more funds expended on biological controls than on any other research category. Investigations have been pursued on a broad range of bioagents—mosquito predator fish, aquatic insects, fungal and bacterial pathogens, and nematode parasites. *Bacillus thuringiensis* var. *israelensis* (BTI) is an exciting new bioagent under study and has prospects of becoming an important adjunct to biological control.