

Lab 5

Bacteria	Effect on
<u>Bacillus thuringiensis</u>	Effect on 1-lepidopteran (moth, butter fly) 2-coleopteran (beetle) 3-dipteran (true fly)
<u>Paenibacillus popilliae</u>	Causes (milky spore disease) Effect on larvae of (Japanese beetle)
Fungi	
<u>Pandora neoaphidis</u>	Effect on Green peach aphids
<u>Beauveria bassiana</u>	White flies, thrips , aphids ,weevils
<u>Lecanicillium</u> spp.	White flies, thrips , aphids
<u>Metarhizium</u> spp	Beetles ,locusts , grasshoppers, Hemiptera,spider mites
<u>Purpureocillium lilacinus</u>	Root knot nematodes
<u>Trichoderma viride</u>	Dutch elm disease ,silver leaf disease
<u>Cordyceps</u> and <u>Metacordyceps</u>	Developed against Wide spectrum of arthropods
Viruses	
Lymantaria dispar multicapsid nuclear polyhedrosis viruse	Larvae gypsy moth
Rabbit haemorrhagic disease	European rabbit
Algae	
<u>Lagenidium giganteum</u>	Larval stage of mosquitoes

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Other method is combined use of parasitoids and pathogens ex:	
<u>Tetrastichus planipennisi</u> (endoparasitoid larvae) <u>Spathius agrili</u> (larval ectoparasitoid) <u>Oobius agrili</u> (egg parasitoid)	Emrlad ash borer