

BIO-AGENTS USED AGAINST PEST OF DIFFERENT CROPS

Sl.No.	BIO-AGENTS	EFFICACY	
		PEST	CROP
1.	Baculovirus	Rhinoceros Beetles	Coconut
2.	Cryptolemus	Mealy bugs	Citrus, Guava, Custard Apple, Brinjal
3.	Chrysopa	Heliothis White fly Aphid	Pulses, oil seeds, Vegetables Vegetables Oil seeds
4.	Trichogramma	Heliothis	Oil Seeds, Vegetables, Pulses
		Earias	Bhindi
		Borers and lead folder	Rice
		Borers	Sugarcane
		Butterfly	Citrus
5.	Trichoderma	Wilt and Damping off	Pulses, Oil seeds, Vegetables, Citrus.
6.	Metarhizium anisopliea	Rhinoceros Beetles	Coconut

Biocontrol Products used against Rice Pests & Diseases

S.No.	Biocontrol products	Diseases /Diseases	Method
1.	<i>Trichogramma japonicum</i>	Lepidopteran Pest Particularly Yellow Stem Borer	@ 50,000/ha 30 & 37 DAT

2.	<i>Trichogramma chilonis</i>	Lepidopteran Pest particularly Leaf folder	@ 50,000/ha 37, 44 & 51 DAT
3.	Pheromone Trap with lure of <i>Scirpophaga incertulus</i>	Yellow Stem Borer	8-10 trap/ ha for mass trap & 4-5 trap/ha for monitoring
4.	<i>Pseudomonas fluorescenes</i>	Blast	@10gm/kg of seed & soak in 1litre of water overnight. Decant the excess water and allow sprouting the seeds for 24 hrs & then sowing the seeds.
5.	<i>Pseudomonas fluorescenes</i>	Sheath Blight	Seed soaking @10gm/kg, Root dipping @1.5kg/ha. Soil application at 30 DAT @2.5 kg/ha. Foliar spray at boot leaf and 10 days later @1kg/ha
6.	<i>Beauveria bassiana</i>	Leaf hopper, Plant Hopper, Stem Borer, Rice Bug	Spray @ 2 ml/lit of spray solution.
7.	Nuclear Polyhedrosis Virus	Cutworm, Army worm	Spray @ 250 LE /ha, 3 spray at weekly interval on noticing eggs and first in star larvae.