ICAR-National Research Centre for Integrated Pest Management, Pusa, New Delhi Weekly Status Report on Insects Pests & Diseases of Crops

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			Major Insect Pests		Major Plant Diseases		Other Pests	
Сгор	Crop Stage	Location (with GPS)	Name (Scientific Name)	Status (Low, Medium & Severe)	Name (Scientific Name)	Status (Low, Medium & Severe)	(Nematodes, Rat, etc.) (Scientific Name)	Pest Advisories
Black pepper	Nursery	Idukki, Kozhikode, Wayanad (Kerala), Kodagu (Karnataka), Tamil Nadu	Mealybug (Planococcus sp., Ferrisia virgata) (Nursery) Scale insect (Protopulvinari a longivalvata) (Nursery)	Low	Stunt disease (Cucumber mosaic virus, Piper yellow mottle virus) Slow decline (Meloidogyne incognita., Radopholus similis) Anthracnose (Colletotrichum gloeosporioides) (Nursery) Viral infection (Nursery)	Low to medium Medium Low Low to Medium	Physiological wilting (Field) Nematodes (Radopholus similis, Meloidogyne incognita) (Nursery)	Field: Stunt disease Regular monitoring. Remove infected vines and destroy by burning or burying deep in soil. Control the vector (mealy bugs) by drenching neem oil (0.5%). Slow decline Remove and destroy severely affected vines. Apply neem cake @ 500g/vine and biocontrol agents like Pochonia chlamydosporia or Trichoderma harzianum @ 50 g/vine and metalaxyl-mancozeb (0.125%) may also be applied. Physiological wilting: Basin irrigation to the vines may be given @ 40 litres per vine for 11-15 years age group and 30 litres for vines aged between 5 - 10 years.

Cardamom	Vegetative	Idukki, Wayanad	Thrips (Sciethrins	Low	Leaf blight (Colletotrichum	Medium	Nursery: Anthracnose Spray Bordeaux mixture (1%). Viral infections Regular inspection and removal of infected plants. Regular monitoring for insects and spray with neem oil (0.5%) whenever infestation is noticed. Mealy bug and scale insect Spray neem oil (0.5%), once infestation is noticed. Nematodes Apply Pochonia chlamydosporia @ 1g/bag. Leaf blight Maintain optimum shade level by
		Wayanad (Kerala), Kodagu (Karnataka)	(Sciothrips cardamomi)		(Colletotrichum gloeosporioides) Katte/Mosaic (Cardamom	Low	Maintain optimum shade level by providing 40-60% filtered light. Katte/ Mosaic Prompt inspection of plantation,
		(Karnataka)			mosaic virus)		detection and rouging of virus
					Chlorotic streak	Low	sources (infected plants/
					(Banana bract		volunteers) to reduce re-infection.
					mosaic virus)		The removed plants may be burnt or buried deep in soil. Removal of
							natural hosts like <i>Colocasia</i> and
							Caladium to destroy breeding sites
							and check population build-up of
							the vector.
							Chlorotic streak Prompt inspection of plantation,
							detection and rouging of virus
							sources (infected plants/
							volunteers) to reduce re-infection.
							The removed plants may be burnt

Vanilla	Vegetative	Karnataka	Leaf spot (Colletotrichum vanillae) Stem rot (Fusarium oxysporum f. sp. vanillae) Viral diseases (Bean common mosaic virus, Bean yellow mosaic virus, Cucumber mosaic virus, Cymbidium mosaic virus)	Low Low		or buried deep in soil. Thrips Spray quinalphos (0.075%). Leaf spot Provide 50% shade in the plantation. Spray Bordeaux mixture (1%) at 15 – 20 days interval. Stem rot Remove and destroy infected plant parts. Apply Trichoderma harzianum and Pseudomonas fluorescens (cfu 108) 50 g per vine. Viral diseases Regular inspection and removal of infected plants. The removed plants may be burnt or buried deep in soil. Control of vector (aphids) may be undertaken by spraying neem oil (0.5%).
Nutmeg	Bearing	Kerala			Physiological wilting (Field)	Physiological wilting (Field) Provide irrigation to the trees. The trees may be adequately shaded to prevent sun scorching.