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

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	Crop Stage	Location (with GPS)	Major Insect Pests		Major Plant Diseases		Other Pests	
Crop			Name (Scientific Name)	Status (Low, Medium & Severe)	Name (Scientific Name)	Status (Low, Mediu m & Severe)	(Nematodes, Rat, etc.) (Scientific Name)	Pest Advisories
Black	Nursery/	Idukki,	Scale insects	Low	Stunt disease	Low	Nematodes	Field:
pepper	Harvesting	Kozhikode, Wayanad (Kerala),	(Protopulvinar ia longivalvata,		(Cucumber mosaic virus, Piper yellow		(Radopholus similis, Meloidogyn	Stunt disease Regular monitoring. Remove infected vines and destroy by
		Kodagu (Karnataka)	Lepidosaphes piperis) (Field)	a =	mottle virus) Slow decline (Meloidogyne	Medium	e incognita) (Nursery)	burning or burying deep in soil. Control the vector (mealy bugs) by drenching neem oil (0.5%).
		Nadu	Root	Medium	incognita,			Slow decline
		rada	mealybug (Planococcus	Micardini	Radopholus similis)			Remove and destroy severely affected vines. Apply neem cake
			sp.) (Field) Pollu beetle (Lanka ramkrishnai)	Medium	Anthracnose (Colletotrichum spp.) (Nursery)	Low	ī	@ 500g/vine and biocontrol agents like <i>Pochonia</i> chlamydosporia or <i>Trichoderma</i> harzianum @ 50 g/vine and
			(Field) Mealybug (Planococcus	Low	Basal wilt (Sclerotium rolfsii)	Low		metalaxyl-mancozeb (0.125%) may also be applied. Scale insects
			sp., Ferrisia virgata) (Nursery) Scale insect	Low	(Nursery) Viral infection (Nursery)	Low		Spray neem oil (0.5%), once infestation is noticed. Root mealybug Drench neem oil (0.5%), once

			(Protopulvinar ia longivalvata) (Nursery)				infestation is noticed. Pollu beetle Spray neem oil (0.5%), once infestation is noticed. Nursery: Anthracnose Spray Bordeaux mixture (1%). Basal wilt Remove and destroy affected cuttings along with defoliated leaves. After periodic sanitation, the cuttings should be drenched with carbendazim (0.2%) or 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 insects Spray neem oil (0.5%), once infestation is noticed. Nematodes
							Apply <i>Pochonia chlamydosporia</i> @ 1g/bag.
Cardamom	Harvesting	Idukki, Wayanad (Kerala), Kodagu (Karnataka)	Thrips (Sciothrips cardamomi) Shoot borer (Conogethes punctiferalis)	Medium Low	Leaf blight (Colletotrichum spp.) Katte/Mosaic (Cardamom mosaic virus)	Medium	Leaf blight Maintain optimum shade level by providing 40-60% filtered light. Katte/ Mosaic Prompt inspection of plantation, detection and rouging of virus

,*	Chlorotic	Low	sources (infected plants/
	streak		volunteers) to reduce re-
	(Banana bract		infection. The removed plants
	mosaic virus)		may be burnt or buried deep in
			soil. Removal of natural hosts
	,		like Colocasia 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
			volunteers) to reduce re-
			infection. The removed plants
			may be burnt or buried deep in
			soil.
			Shoot borer
		-	Spray quinalphos (0.075%).
			Thrips
		1	Spray quinalphos 25%EC
			(0.075%) after undertaking
			thrashing.

Vanilla	Bean	Karnataka			Premature	Medium		Premature yellowing and bean
	maturing/				yellowing and			shedding
	Harvesting				bean shedding	8		Provide 50% shade in the
					(Colletotrichum			plantation.
					vanillae)		St.	Root and stem rot
					Root and stem	Low		Soil drenching with copper
					rot	20		oxychloride 0.25% at monthly
					(Fusarium			interval.
					oxysporum f.sp.			Viral diseases
					vanillae)			Regular inspection and removal
	8				Viral diseases	Low		of infected plants. The removed
				a a	(Bean common			plants may be burnt or buried
					mosaic virus,			deep in soil. Control of vector
					Bean yellow			(aphids) may be undertaken by
					mosaic virus,			spraying neem oil (0.5%).
					Cucumber		,	
					mosaic virus,			
	9				Cymbidium			, a
					mosaic virus)			
Ginger and	Collect the seed	rhizomes for t	he ensuing seaso	n from dise	ase-free fields. Ha	rvest the pr	oduce at right	time and discard diseased/severely
Turmeric	infested rhizome	es. Before stora	ge, follow appro	priate seed 1	reatment and store	e the seed r	hizomes in sav	vdust + dried Strychnos nuxvomica

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leaves after rhizome treatment.

Director/Head of Institution

के लिमें लाव

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