

ICAR-Indian Institute of Horticultural Research, Bengaluru - 560089

Division of Crop Protection

INSCET PEST CALENDAR OF IMPORTANT VEGETABLE CROPS

Colour indicator

	Low intensity
	Moderate intensity
	Severe

CHILLI and CAPSICUM

Pest	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Thrips <i>Scirtothrips dorsalis</i>												
 	Management: <ul style="list-style-type: none"> Rotate the following insecticides at every 10 days starting at 20 DAT fipronil 5 SC @ 1.5 mL/L followed by thiamethoxam 25WG 0.3 g/L then difenturon 1g/L. 											
Gall midge <i>Asphodylia capparidis</i>												
 	Management: <ul style="list-style-type: none"> Neem seed kernel extract 5% should be sprayed at 3 ml/L. 											

<p>Mite <i>Polyphagotaroneus latus</i></p>	Yellow	Yellow	Red	Red	Red	Dark Green	Dark Green	White	White	White	White
	<ul style="list-style-type: none"> • Spraying of Fenazaquin 10 EC @ 2 ml/L or Vertimec 1.9 EC @ 0.5 ml/L or Wettable sulphur 80WP @ 3 g/L for management of mites. 										
<p>TOMATO</p>											
<p>Fruit Borer <i>Helicoverpa armigera</i></p>	Red	Red	Red	Red	Red	White	White	White	White	White	White
	<ul style="list-style-type: none"> • Spray HaNPV (@250 LE/ha) with 1% jaggery as sunscreen at 28, 35 and 42 DAP in the evening hours, spray the following insecticides in rotation at 10-12 days interval under severe infestation • Emamectin benzoate 5 SG @ 0.3g/L • Indoxacarb @0.75ml/L • Flubendiamide @ 0.1ml/L 										
<p>South American Tomato moth <i>Tuta absoluta</i></p>	Yellow	Red	Red	Red	Red	Yellow	Yellow	Dark Green	Dark Green	Dark Green	Dark Green



- Spray neem soap at 10g/L
- If incidence is more spray imidacloprid 17.8SL at 0.3ml/L

CABBAGE AND CAULIFLOWER

DBM
Plutella xylostella

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- Spray Arka Neem seed powder pellet at 30g/L starting from 15-20 days after transplanting (DAT) at an interval of 7-10 days till 60-70DAT

Aphids
Myzus persicae ;
Brevicoryne brassicae

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- Spray Arka Neem seed powder pellet at 30g/l starting from 15-20 days after transplanting (DAT) with an interval of 7-10 days till 60-70DAT

Head borer
Hellula undalis

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- Spray Arka Neem seed powder pellet at 30g/l starting from 15-20 days after transplanting (DAT) with an interval of 7-10 days till 60-70DAT

PEST CALENDAR OF MORINGA

Leaf eating catrepillar
Noorda



- Spraying of Spinosad (0.3ml/l)
- Spraying of *Bacillus thuringiensis* (*Bt*) formulation (2ml/l)
- Spray Arka Neem soap at 10g/l
- If incidence severe, spray Lambda cyhalothrin 5 EC (0.6ml/l)

T mosquito bug
Helopeltis antonii



- Spraying of Spinosad 45 SC (0.3ml/l)
- Spraying Lamda cyhalothrin 5EC (0.6ml/l)

Stem Borer <i>Batocera rubus</i> <i>B.rufomaculata</i>												
	<ul style="list-style-type: none"> • Phyto sanitation: Removal of the dead and infested trees. • Post treatment prophylaxis: Swabbing of the affected tree trunk with chloropyrifos 20EC (0.2%) after removal of the grub and drenching the soil around the trunk. • Plugging the hole with cotton dipped in chloropyrifos (10ml/L) and mud plastering. 											

Note:

1. The information has been compiled based on field observations and available literature. The purpose of this calendar is mainly to enhance farmers' preparedness in timely taking pest management measures. However there may be slight variations in the pest occurrence due to unexpected climate extremities, varietal and regional variations.
2. The chemicals are mentioned based on efficacy evaluation.