

Economic Threshold Levels of Insect Pests

1.Wheat

Brown Leaf Rust	% Incidence & Low-Med-High Intensity
Smut	% incidence
Armyworm	On Appearance
Aphid	No Spray recommended
Helicoverpa	No Spray recommended

3.Gram

Armyworm	On Appearance
Helicoverpa	3 Larvae/25 plants
Termite	10% damage
Cutworm	10% at initial stage
Blight	Low-Med-High
Wilt	% incidence

5.Sugarcane

Top Borer	10% Attacked Plants
Stem Borer	-do-
Root Borer	-do-

2.Mango

Hopper	5/ Leaf (In Summer)1/ Leaf (In Winter)10/ Inflorescence or Twig
Scales	50 Scales / Leaf
Fruit fly	10% damage
Mealybug	On Appearance
Mango Midges	10 spots/ twig or inflorescence

Gall Farming Insect	10 galls / Leaf
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Malformation	Low-Med-High
Anthravnose	On Appearance

4.Citrus

Citrus Psylla	6/ Leaf
Leaf-miner	10% affected leaves
Fruit fly	10% affected fruits
Withertip	Low-Med-High

Canker	Low-Med-High
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6.Vegetables

Red Pumpkin Beetle	1/ 10 Plants (at seedling stage) 1/ Plants (at crop stage)
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Gurdaspur Borer	-do-
Pyrilla	2/Leaf
Black bug	10/ sheath
Whitefly	10/ Leaf
Mites	10/ Leaf
Toka	3-5/Net

7.Maize

Shoot fly	5%
Stem borer	5%
Helicoverpa	5 % Cobs
Armyworm	On Appearance

8.Potato

Jassid	3/Leaf
Blight	On Appearance

9.Tobacco

Cutworm	3% Attacked Plants
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11.Oil Seed Crops

Aphid	1/ Pod10/ Twig
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Hudda Beetle	4/ Plant
Fruit Borer	10%on Brinjal 5% on Tomato
Diamond Back Moth	3/ Leaf
Helicoverpa	5% fruit infestation
Fruit fly	3 % fruit infestation
Jassid	1/Leaf on Cucurbits, 2/ Leaf on Brinjal, 3/ Leaf on Melons
Whitefly	5/Leaf on Cucurbits 2/Leaf on Chillies, Cowpeas
Aphid	5/Leaf
Powdery Mildew	Low-Med-High
Downy Mildew	Low-Med-High
Wilt	Only seed treatment
Root Rot	Only seed treatment
Collar Rot	Water must not touch the stem
Leaf Spot/ Blight	Spray on appearance

10.Cotton

Jassid	1 Adult or Nymph per leaf
Whitefly	5 Adults or Nymphs or both per Leaf
Thrips	8-10 Adults or Nymphs per Leaf

12.Sunflower

Helicoverpa 1/5 Flowers

Cotton mealy
bug

On appearance

13.Rice

Borers No. of
Moths/Trap/Night are 8-10
at Crop
Dead Hearts 5 % at Crop

Mites

10-15 per leaf

Spotted
Bollworm

3 Larvae/ 25 plants

Pink Bollworm

5 Larvae /100 bolls

Chrotogonous
(Toka) 3-5 Adults/Net

Helicoverpa

5 brown eggs or 3 small
larvae or both 5 per 25
plants

14.Guava

Fruit fly 10% affected fruits(4-5
Pheromone traps/acre)

Armyworm

On Appearance

Aphid

Spray on visible damage
on top terminals