

List of new generation insecticides recommended against pests of crops in Kerala

Sl. No	Insecticide recommended	Crop/ pest	Dosage g ai / ha	Field Dose (mg or ml L ⁻¹)	Colour code (Toxicity class) of chemical	Trade name
1.	Chlorantraniliprole 0.4 % G	Rice stem borer, gall midge and leaf folder	40	---	Green	Ferterra
2.	Chlorantraniliprole 18.5 % SC	Rice stem borer and leaf folder	30	3 ml/10 L	Green	Coragen
3.	Fipronil 0.3% G	Rice gall midge	50	----	Yellow	Sonic, Regent, Biltop, Sarget
4.	Carbosulfan 6 %G	Rice stem borer, gall midge and leaf folder	1000	----	Yellow	Sherief, Marshal
5.	Buprofezin 25 % SC	Brown plant hopper	200	1.5 ml/L	Blue	Applaud
6.	Spiromesifen 22.9 % SC	Chilli mite and thrips	96	0.8 ml/L	Blue	Oberon,
7.	Fenpyroximate 5% EC	Chilli mite and thrips	15	0.6 ml/L	Yellow	Mitigate, Sedna
8.	Thiamethoxam 25 % WG	Brinjal- white fly, jassids and mite Bhindi - jassids and whiteflies Chilli - mite and thrips	50	0.2 g/ L	Blue	Actara, Suckgan,
9.	Diafenthiuron 50 % WP	Brinjal -white fly, jassids and mite	300	1.2 g/ L	Blue	Pegasus, Polo,
10.	Spiromesifen 22.9 % SC	Brinjal -white fly, jassids and mite	96	0.8 ml/L	Blue	Oberon
11.	Chlorantraniliprole 18.5 % SC	Cowpea-pod borers, leaf eating caterpillars Snakegourd-pumpkin caterpillar Brinjal, Bhindi- Shoot and fruit borer Cowpea- Epilachna beetle	30	0.3 ml/ L	Green	Coragen
12.	Emamectin benzoate 5 % SG	Brinjal, Bhindi -Shoot and fruit borer	500	0.3 g/ l	Yellow	Proclaim
13.	Imidacloprid 17.8 % SL	Bhindi - jassids and whiteflies Cowpea- aphid and pod bugs	30	0.3 ml/ L	Yellow	Tatamida, confidor

14.	Acetamiprid 20 % SP	Brinjal- - white fly, jassids and mite Cowpea- pod bugs	15	0.2 g/ L	Yellow	Tatamanic, pride
15.	Acephate 75 % SP	Brinjal - white fly, jassids and mite	500	1 g/L	Blue	Asataf, Starthene, Lancer
16.	Thiacloprid 21.7 % SC	Cowpea- aphid and pod bugs	30	0.3 ml/ L	Yellow	Calypso, Alanto
17.	Thiodiarb 75 % WP	Bittergourd- Epilachna beetle	470	1.25 g/L	Yellow	Larvin, spiro,
18.	Indoxacarb 4.5 % SC	Bittergourd- Epilachna beetle Brinjal, Bhindi - Shoot and fruit borer	50	0.8 ml/ L	Yellow	Avaunt, hindoxa
19.	Spinosad 45 % SC	Brinjal, Bhindi- Shoot and fruit borer	75	0.3 ml/ L	Blue	Tracer

(source- Package of practices, KAU, 2016, Annual report of RKVY, 2015)