

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation for Cotton

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------|
| 1 | ACEPHATE 75% SP | Cotton | Jassids |
| | | Cotton | Boll Worms |
| 2 | ACETAMIPRID 20% SP | Cotton | Aphids, Jassids |
| | | Cotton | Whiteflies |
| 3 | ALPHACYPERMETHRIN 10% EC | Cotton | Boll Worms |
| | | Cotton | Boll Worms |
| 4 | AZADIRACHTIN 0.15% W/W MIN. NEEM SEED KERNEL BASED E.C. | Cotton | White fly, Bollworm |
| 5 | AZADIRACHTIN 0.3% (3000 PPM) MIN. NEEM SEED KERNEL BASED E.C. | Cotton | American bollworm |
| 6 | AZADIRACHTIN 0.03% MIN. NEEM OIL BASED E.C. CONTAINING | Cotton | Bollworm |
| | | Cotton | (<i>H. Armigera</i>), |
| | | Cotton | Aphids |
| 7 | AZADIRACHTIN 0.03% (300 PPM) NEEM OIL BASED WSP CONTAINING | Cotton | Aphids, Jassids, |
| | | Cotton | White Flies, Bollworms, |
| 8 | AZADIRACHTIN 5% W/W MIN. NEEM EXTRACT CONCENTRATES | Cotton | White Fly, Leaf |
| | | Cotton | Hoppers, |
| | | Cotton | <i>H.armigera</i> , Aphids |
| 9 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>GALLERIAE</i> | Cotton | Bollworm (<i>Helicoverpa armigera</i>) |
| 10 | <i>BACILLUS THURINGIENSIS-K</i> | Cotton | Bollworm |
| 11 | <i>BACILLUS THURINGIENSIS</i> SEROVAR <i>KURSTAKI</i> (3A, 3B, 3C) 5% WP | Cotton | American Bollworm |
| | | Cotton | Spotted Bollworm |
| 12 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-52 | Cotton | Bollworms, Spodoptera |
| 13 | BETA CYFLUTHRIN 2.45% SC | Cotton | Bollworm |
| 14 | <i>BEAUVERIA BASSIANA</i> 1.15% W.P. | Cotton | Bollworm |
| 15 | BIFENTHRIN 10% EC | Cotton | Bollworm |
| 16 | BUPROFEZIN 25% SC | Cotton | White Fly Aphids |
| | | Cotton | Jassids, Thrips |
| 17 | CARBARYL 5% D.P. | Cotton | Spotted bollworm |
| | | Cotton | American bollworm |
| | | Cotton | Pink Bollworm |
| | | Cotton | Jassids Aphids |
| 18 | CARBARYL 10% D.P. | Cotton | Aphid, American |
| | | Cotton | bollworm, Stem weevil Thrips |
| 19 | CARBARYL 50% WP | Cotton | Aphids, Jassids, Thrips, |
| | | Cotton | Leaf Roller, Spotted Bollworm, Pink Bollworm, American Bollworm |
| 20 | CARBARYL 85% W.P. | Cotton | Pink bollworm, |
| | | Cotton | Spotted bollworm, |
| | | Cotton | Thrips, White fly |
| 21 | CARBOSULFAN 25% DS | Cotton | Jassid, Aphids and |
| | | Cotton | Thrips |

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Insecticides - Crop wise recommendation for Cotton

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------|--------|----------------------------------------------------|
| 22 | CHLORANTRANILIPROLE 18.5% SC | Cotton | American bollworm |
| | | Cotton | Spotted bollworm |
| | | Cotton | Tobacco caterpillar |
| 26 | CHLORFLUAZURON 5.4% EC | Cotton | American bollworm, Tobacco leaf eating caterpillar |
| 27 | CHLORPYRIFOS 20% EC | Cotton | Aphid, Bollworm , |
| | | Cotton | White fly, |
| | | Cotton | Cut worm |
| 28 | CHLORPYRIFOS 50% EC | Cotton | Bollworms |
| | | Cotton | Jassids |
| | | Cotton | White fly |
| 29 | CYPERMETHRIN 10% EC | Cotton | Spotted bollworm |
| | | Cotton | American bollworm |
| | | Cotton | Pink bollworm |
| 30 | CYPERMETHRIN 25% EC | Cotton | Bollworms, |
| | | Cotton | Jassids, Thrips |
| 31 | DELTAMETHRIN 11% W/W EC | Cotton | Bollworms |
| 32 | DELTAMETHRIN 25% TABLET | Cotton | Bollworms |
| 33 | DELTAMETHRIN 1.8% EC | Cotton | Bollworms |
| | | Cotton | sucking insects |
| 34 | DELTAMETHRIN 2.8% EC | Cotton | Bollworm, |
| | | Cotton | Sucking Insects |
| 35 | DICOFOL 18.5% EC | Cotton | Red Spider mite |
| 36 | DIAFENTHIURON 50% WP | Cotton | Whiteflies, Aphids, Thrips, Jassids |
| 37 | DIFLUBENZURON 25% WP | Cotton | Tobacco Caterpillar, |
| | | Cotton | Bollworms |
| | | Cotton | White Fly, Jassids, Aphids & Thrips |
| 38 | EMAMECTIN BENZOATE 5% SG | Cotton | Boll worms |
| 39 | EMAMECTIN BENZOATE 1.9% EC | Cotton | Boll worms |
| 40 | ETHION 50% EC | Cotton | White fly, |
| | | Cotton | Bollworms |
| 41 | FENOBU CARB (BPMC) 50% EC | Cotton | Pink boll worm, |
| | | Cotton | Spotted boll worm |
| | | Cotton | American boll worm |
| 42 | FENPROPATHRIN 30% EC | Cotton | Pink boll worm |
| | | Cotton | Spotted boll worm American boll worm |
| | | Cotton | White fly |
| 43 | FENVALERATE 20% EC | Cotton | Boll worm, |
| | | Cotton | Aphids, Jassids, Thrips |
| 44 | FENVALERATE 2% CONC. | Cotton | Spotted & Spiny, |
| | | Cotton | Pink American/ |
| | | Cotton | Egyptian boll worm |
| 45 | FENVALERATE 0.4% DP | Cotton | Spotted Bollworm |
| | | Cotton | Pink bollworm |
| 46 | FIPRONIL 5% SC | Cotton | Aphid, Jassid, Thrips, |
| | | Cotton | White fly |
| | FIPRONIL 5% SC | Cotton | Boll worms |
| 47 | FLONICAMID 50% WG | Cotton | Aphids, Jassids, Thrips & Whiteflies |
| 48 | FLUBENDIAMIDE 20% WG | Cotton | American bollworm |
| 49 | FLUBENDIAMIDE 39.35% M/M SC | Cotton | Bollworms |

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| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-----------------------------------------------------------------|--------|-----------------------------------------|
| 50 | FLUVALINATE 25% EC | Cotton | Aphids, Jassids, |
| | | Cotton | Red cotton bug, |
| | | Cotton | Bollworm |
| 51 | IMIDACLOPRIDE 70% WG | Cotton | Jassids, Aphids, Thrips |
| 52 | IMIDACLOPRID 48% FS PER 100KG SEED | Cotton | Aphids, Whitefly, Jassids, Thrips |
| 53 | IMIDACLOPRID 70% WS PER 100KG SEED | Cotton | Aphids, Whitefly, |
| | | Cotton | Jassids, Thrips |
| 54 | IMIDACLOPRID 30.5% M/M SC | Cotton | Aphid, Jassids, Thrips |
| 55 | IMIDACLOPRID 17.8% SL | Cotton | Aphid, Whitefly, Jassid Thrips |
| 56 | INDOXACARB 14.5% SC | Cotton | Bollworm |
| 57 | INDOXACARB 15.8% EC | Cotton | Bollworm |
| 58 | LAMBDA-CYHALOTHRIN 4.9% CS | Cotton | Bollworms |
| 59 | LAMBDA-CYHALOTHRIN 2.5% EC | Cotton | Bollworms, Jassids, |
| | | Cotton | Thrips |
| 60 | LAMBDA-CYHALOTHRIN 5% EC | Cotton | Bollworms, Jassids, |
| | | Cotton | Thrips |
| 61 | LUFENURON 5.4% EC | Cotton | American bollworm |
| 62 | METHOMYL 40% SP | Cotton | Bollworm |
| 63 | METHYL PARATHION 2% DP | Cotton | Aphid |
| | | Cotton | Leaf hopper, Thrips |
| 64 | METHYL PARATHION 50% EC | Cotton | Aphid |
| | | Cotton | Leaf hopper |
| | METHYL PARATHION 50% EC | Cotton | Thrips |
| 65 | MONOCROTOPHOS 15% SG | Cotton | Aphids, Jassids, |
| | | Cotton | Thrips & Whiteflies |
| 66 | MONOCROTOPHOS 36% SL | Cotton | Bollworms |
| | | Cotton | Aphid, Leaf |
| | | Cotton | Hopper, |
| | | Cotton | Grey weevil, |
| | | Cotton | Thrips |
| | | Cotton | White fly |
| 67 | NOVALURON 10% EC | Cotton | American Bollworm |
| 68 | NOVALURON 8.8% SC | Cotton | American boll worm, Tobacco caterpillar |
| 69 | NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA 0.43% AS | Cotton | <i>Helicoverpa armigera</i> |
| 70 | NPV OF <i>HELICOVERPA ARMIGERA</i> 0.43% AS STRAIN NO. BIL/HV-9 | Cotton | <i>Helicoverpa armigera</i> |
| 71 | OXYDEMETON – METHYL 25% EC | Cotton | Aphid, Jassid/ |
| | | Cotton | leaf hopper |
| 72 | PERMETHRIN 25% EC | Cotton | Bollworms, |
| 73 | PHORATE 10% CG | Cotton | Aphid, Jassids, Thrips, White fly |
| | | Cotton | |
| 74 | PROFENOFOS 50% EC | Cotton | Bollworm, |
| | | Cotton | Jassids, Aphids, Thrips, Whiteflies |
| 75 | PYRIPROXYFEN 10% EC | Cotton | Whitefly |
| | | Cotton | Whitefly |
| 76 | PYRIDALYL 10% EC | Cotton | Bollworms |

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| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------------|--------|--------------------------------------------------------|
| 77 | QUINALPHOS 20% AF | Cotton | Bollworms, |
| | | Cotton | American bollworm, |
| | | Cotton | Pink Bollworm , |
| | | Cotton | Spotted bollworm |
| 78 | QUINALPHOS 1.5% DP | Cotton | Aphid, Jassids, Thrips, |
| | | Cotton | Bollworm |
| 79 | SPINETORAM 11.7 % SC | Cotton | Thrips, |
| | | Cotton | Tobacco caterpillar |
| | | Cotton | Spotted boll worm |
| | | Cotton | Spo |
| 80 | SPINOSAD 45.0% SC | Cotton | American bollworm |
| 81 | SPIROMESIFEN 22.9% SC | Cotton | White fly & mite |
| | | Cotton | White fly & mite |
| 82 | THIACLOPRID 21.7% SC | Cotton | Aphid, Thrips, Jassid |
| | | Cotton | Whitefly |
| 83 | THIODICARB 75% WP | Cotton | Bollworms |
| 84 | THIAMETHOXAM 30% FS | Cotton | Aphid, whiteflies, Jassids |
| 85 | THIAMETHOXAM 70% WS | Cotton | Aphid, Thrips |
| | | Cotton | whiteflies, Jassids |
| 86 | THIAMETHOXAM 25% WG | Cotton | Jassid, Aphid, Thrips |
| | | Cotton | White flies |
| 87 | TRIAZOPHOS 40% EC | Cotton | Bollworms (Pink |
| | | Cotton | and spotted), whitefly |
| 88 | VERTICILLIUM LECANII 1.15% WP | Cotton | White flies |
| 89 | Acephate 50% + Bifenthrin 10 % WDG | Cotton | Leaf hopper |
| | | Cotton | Thrips, |
| | | Cotton | Bollworms |
| 90 | Acephate 25% w/w + Fenvalerate 3% w/w EC | Cotton | American bollworm |
| | | Cotton | Sucking Insects |
| 91 | Acephate 50% + Imidacloprid 1.8% SP | Cotton | Aphid ,Jassids, Thrips, |
| | | Cotton | White flies, Bollworms |
| | | | |
| | | | |
| 92 | Acetamiprid 1.1% + Cypermethrin 5.5% EC | Cotton | Aphids,Jassids,Thrips |
| | | Cotton | Bollworms |
| 93 | Cypermethrin 10% + Indoxacarb 10% w/w SC | Cotton | Jassids, Thrips and Ballworm |
| 94 | Cypermethrin 3% + Quinalphos 20% EC | Cotton | Americal bollworm |
| | | Cotton | Spotted bollworm |
| | | Cotton | Jassids |
| 95 | Chlorpyrifos 50% + Cypermethrin 5%EC | Cotton | Aphid, Jassids, Thrips, |
| | | Cotton | Whitefly, <i>Spodoptera litura</i> , Spotted bollworm, |
| | | Cotton | Pink Bollworm, |
| | | Cotton | American bollworm |
| 96 | Chlorpyrifos 16% + Alphacypermethrin 1% | Cotton | Spotted bollworm |
| | | Cotton | Pink Bollworm , |

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| | | Cotton | American bollworm |
| 97 | Deltamethrin 1% + Trizophos 35%EC | Cotton | Spotted |
| | | Cotton | Bollworm, |
| | | Cotton | Pink Bollworm, |
| | | Cotton | American bollworm, |
| | | Cotton | White flies |
| 98 | Ethion 40% + Cypermethrin 5% w/w EC | Cotton | American |
| | | Cotton | bollworm |
| | | Cotton | Aphid, Jassids & White |
| | | Cotton | fly |
| 99 | Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC | Cotton | Jassids, White |
| | | Cotton | flies & Bollworm |
| 100 | Profenofos 40% + Cypermethrin 4% EC | Cotton | Bollworm complex |
| 101 | Pyriproxyfen 5% EC + Fenpropathrin 15% EC | Cotton | Whitefly, Bollworms |
| 102 | Thiamethoxam 12.6%+Lambda cyhalothrin 9.5%ZC: | Cotton | Jassids, Aphids & |
| | | Cotton | Thrips and Bollworm |
| 103 | Acetamiprid 0.4%+Chlorpyriphos 20%EC: | Cotton | Jassids, Thrips & Bollworm |
| 104 | Chlorantraniliprole 9.3% + Lambda Cyhalothrin 4.6% ZC: | Cotton | Bollworms complex |

Note- Plz. See CIB & RC website cibrc.nic.in for the details.

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Insecticides - Crop wise recommendation for Soybean

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-------------------------------------------------------------------------------------|---------|----------------------------------------------------------|
| 1 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-56 | Soybean | Spodoptera, Heliothis, Spilosoma, Semilooper, Leaf miner |
| 2 | CARBOFURAN 3% CG | Soybean | Root knot nematode |
| 3 | CHLORANTRANILIPROLE 18.5% SC | Soybean | Green Semi looper, |
| | | Soybean | Stem fly, Girdle beetle |
| 4 | DICHLORVOS 76% EC | Soybean | Leaf eating caterpillar |
| 5 | ETHION 50% EC | Soybean | Girdle beetle & stem fly |
| 6 | IMIDACLOPRID 48% FS PER 100KG SEED | Soybean | Jassids |
| 7 | INDOXACARB 15.8% EC | Soybean | Tobacco caterpillar, |
| | | Soybean | Green semilooper, |
| | | Soybean | stem fly |
| 8 | LAMBDA-CYHALOTHRIN 4.9% CS | Soybean | Stemfly & Semilooper |
| 9 | MALATHION 50% EC | Soybean | Leaf weevil |
| 10 | PHORATE 10% CG | Soybean | Stem fly |
| 11 | PROFENOFOS 50% EC | Soybean | Semi looper & |
| | | Soybean | Girdle beetle |
| 12 | QUINALPHOS 25% EC | Soybean | Leaf weevil |
| 13 | QUINALPHOS 1.5% DP | Soybean | Leaf weevil |
| 14 | SPINETORAM 11.7 % SC | Soybean | Tobacco caterpillar |
| 15 | THIACLOPRID 21.7% SC | Soybean | Girdle beetle |
| 16 | THIAMETHOXAM 30% FS | Soybean | Shoot fly |
| 17 | TRIAZOPHOS 40% EC | Soybean | Stem borer, Girdle beetle, |
| | | Soybean | Leaf miners |
| 18 | Thiamethoxam 12.6%+Lambda cyhalothrin 9.5%ZC: | Soybean | Stem fly,Semilooper |
| | | Soybean | Girdle beetle |

Note- Plz. See CIB & RC website cibr.nic.in for the details.

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Insecticides - Crop wise recommendation for Groundnut

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-----------------------------------------------|------------|----------------------------|
| 1 | BROMADIOLONE 0.25% CB | Groundnut, | Field Rat, Large bandicota |
| 2 | BROMADIOLONE 0.005% RB | Groundnut, | Field Rat, Large bandicota |
| 3 | CARBOFURAN 3% CG | Groundnut | Pod borer |
| | | Groundnut | White grub |
| 4 | CHLORPYRIFOS 20% EC | Ground nut | Aphid |
| | | Ground nut | Root grub |
| 5 | DELTAMETHRIN 2.8% EC | Groundnut | Leaf miner |
| 6 | DICHLORVOS 76% EC | Groundnut | Red hairy caterpillar |
| 7 | IMIDACLOPRID 17.8% SL | Groundnut | Aphid , Jassid |
| 8 | LAMBDA-CYHALOTHRIN 5% EC | Groundnut | Thrips, leaf Hopper, |
| 9 | METHOMYL 40% SP | Groundnut | <i>Spodoptera litura</i> |
| 10 | OXYDEMETON – METHYL 25% EC | Ground nut | Aphid/ Leaf minor |
| 11 | PHENTHOATE 50% EC | Ground nut | Leaf Webber |
| 12 | PHORATE 10% CG | Groundnut | Aphid, Leaf minor |
| | | Groundnut | White grub |
| 13 | QUINALPHOS 20% AF | Groundnut | Spodoptera |
| 14 | QUINALPHOS 25% EC | Groundnut | Leaf Hopper |
| | | Groundnut | Leaf miner |
| | | Groundnut | Thrips |
| 15 | QUINALPHOS 1.5% DP | Ground nut | Thrips, Jassids |
| | | Ground nut | Red hairy Caterpillar |
| 16 | TRICHLORFON 5% GR | Groundnut | Red hairy caterpillar |
| 17 | TRICHLORFON 5% DUST | Groundnut | Red hairy Caterpillar |
| 18 | TRICHLORFON 50% EC | Groundnut | Red hairy caterpillar |
| 19 | Thiamethoxam 12.6%+Lambda cyhalothrin 9.5%ZC: | Groundnut | Leaf hopper |
| | | Groundnut | Leaf eating caterpillar |

Note- Plz. See CIB & RC website cibrc.nic.in for the details.

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Insecticides - Crop wise recommendation for Pulses

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------------------------------------------------|---------------|-----------------------------------------------|
| 1 | ALUMINUM PHOSPHIDE 56% 3 g tab, 10g pouch | Split Pulses | Flat Grain Beetle, |
| | | (Dal) & other | Carpet Beetle |
| 2 | AZADIRACHTIN 0.03% (300 PPM) NEEM OIL BASED WSP CONTAINING | Gram | (<i>Helicoverpa</i> |
| | | Gram | <i>armigera</i>) |
| | | Red Gram | Pod Borer |
| | | Red Gram | (<i>Melangromyza</i> sp) |
| 3 | <i>BACILLUS THURINGIENSIS SEROVAR KURSTAKI</i> (3A, 3B, 3C) 5% WP | Red gram | Pod Borer |
| 4 | <i>BACILLUS THURINGIENSIS VAR. KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-54 | Gram | Heliothis |
| | | Pigeon Pea | Heliothis |
| 5 | <i>BEAUVERIA BASSIANA</i> 1% WP STRAIN NO: NBRI – 9947 | Chick pea | Pod borer |
| 6 | BENFURACARB 40% EC | Red gram | Pod borer |
| 7 | BROMADIOLONE 0.005% RB | Gram | Indian house rat, Field Rat, Indian house rat |
| 8 | CARBARYL 10% D.P. | Tur | Plume moth, Pod fly |
| 9 | CARBOFURAN 3% CG | French bean | White grub |
| | | French bean | White grubs |
| | | French bean | Grey & Stem weevil |
| 10 | CHLORANTRANILIPROLE 18.5% SC | Pigeon pea | Pod borer |
| 11 | CHLORPYRIFOS 20% EC | Beans | Pod borer , Black bug |
| | | Gram | Cut worm |
| 12 | DELTAMETHRIN 2.8% EC | Red Gram | Pod Borer & Pod Fly |
| | | Red gram | Pod borer |
| | | Chickpea | Pod borer |
| 13 | ETHION 50% EC | Gram | Pod borer |
| | | Pigeon pea | Pod borer |
| 14 | ETHYLENE DICHLORIDE + CARBON TETRACHLORIDE 3:3 | Pulses & | Pulse beetle, Dried fruit Beetle |
| 15 | FLUBENDIAMIDE 39.35% M/M SC | Pigeon pea | Pod borer |
| 16 | INDOXACARB 15.8% EC | Pigeon pea | Pod borer complex |
| 17 | LAMBDA-CYHALOTHRIN 5% EC | Pigeon pea | Pod borer, pod fly |
| 18 | | Chickpea | Pod borer |
| 19 | LUFENURON 5.4% EC | Pigeon pea | Pod borer, podfly |
| 20 | METHOMYL 40% SP | Pigeon Pea | Pod borers |
| 21 | METHYL BROMIDE 98% W/W | Pulses | Beetle, Saw |
| | | Pulses | Drug Store Beetle , |
| 22 | METHYL PARATHION 2% DP | Green gram | Pod borer |
| 23 | MONOCROTOPHOS 36% SL | Green gram | Pod borer |
| | | Red gram | Plume mouth |
| | | Red gram | Pod borer |
| | | Red gram | Pod fly |
| 24 | NPV OF <i>HELICOVERPA ARMIGERA</i> 2.0% AS | Pigeon pea | Pod borer |
| | | Chick pea | Pod borer |

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Insecticides - Crop wise recommendation for Pulses

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|--------------------------------------------------------------------|-------------|-------------------------------------------|
| 25 | NPV OF <i>HELICOVERPA ARMIGERA</i> 2.0% AS STRAIN NO. GBS/HNPV -01 | Pigeon pea | Pod borer (<i>Helicoverpa armigera</i>) |
| | | Gram | Pod borer (<i>Helicoverpa armigera</i>) |
| 26 | (B) BIO-TECH INTERNATIONAL STRAIN NO. BIL/HV-9 | Pigeon pea | Pod borer (<i>Helicoverpa armigera</i>) |
| 27 | (B) BIO-TECH INTERNATIONAL STRAIN NO. BIL/HV-10 | Chick pea | Pod borer (<i>Helicoverpa armigera</i>) |
| 28 | (a) INDORE BIO-TECH INPUT & RESEARCH STRAIN NO. IBL-17268 | Pigeon pea | Pod borer (<i>Helicoverpa armigera</i>) |
| 29 | (a) INDORE BIO-TECH INPUT & RESEARCH STRAIN NO. IBL-17269 | Chick pea | Pod borer (<i>Helicoverpa armigera</i>) |
| 30 | NPV OF SPODOPTERA LITURA 0.5% AS | Chick pea | Pod borer |
| 31 | PHORATE 10% CG | Green gram | Stem fly |
| | | Green gram | Jassids |
| | | Pigeon pea | Jassids |
| | | Pigeon pea | Stem fly |
| 32 | QUINALPHOS 20% AF | Tur | Pod borer |
| 33 | QUINALPHOS 25% EC | French bean | Stem fly |
| | | Red gram | Pod borer, Pod fly |
| | | Gram | Pod borer |
| 34 | QUINALPHOS 1.5% DP | Red gram | Pod borer |
| | | French bean | Stem fly |
| | | Red gram | Pod borer |
| 35 | SPINOSAD 45.0% SC | Red gram | Pod borer |
| 36 | THIODICARB 75% WP | Pigeon Pea | Pod Borer |
| 37 | Chlorantraniliprole 9.3% + Lambda Cyhalothrin 4.6% ZC: | Pigeon pea | Pod borer |

Note- Plz. See CIB & RC website cibrc.nic.in for the details.

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| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------|
| 1 | ACEPHATE 75% SP | Rice | Stem Borer, Leaf Folder, |
| | | Rice | Plant Hoppers, Green Leaf Hopper |
| | | Rice | Yellow stem borer, Leaf Folder, |
| | | Rice | Brown Plant Hopper |
| 2 | ACETAMIPRID 20% SP | Rice | BPH |
| 3 | ALUMINUM PHOSPHIDE 56% 3 g tab, 10g pouch | Stored Whole | Rice Weevil (<i>S.o</i>) |
| | | Cereals and | Lesser Grain Borer, Khapra Beetle (<i>T.g</i>), |
| | | Seed Grains | Rust Red Flour Beetle, Saw Toothed Grain |
| | | Millet, | Beetle , Caddle Beetle, Drug Store Beetle , Cigarette Beetle , Pulse Beetle |
| 4 | ALUMINUM PHOSPHIDE 56% 3 g tab, 10g pouch | Mild Products : | Long Headed Floor |
| | | and seed grains. | flower beetle |
| 5 | ALUMINUM PHOSPHIDE 15%, 12g tablet | Milled products: De- | Rust red flower beetle |
| | | Other processed | All insect pests. |
| | | | |
| 6 | ALUMINIUM PHOSPHIDE 77.5% GR | Stored Grain | Red rust Flour beetle, |
| | | Stored Grain | Lesser grain borer, Rice Weevil, |
| | | Stored Grain | Khapra beetle |
| 7 | AZADIRACHTIN 0.15% W/W MIN. NEEM SEED KERNEL BASED E.C. | Rice | Thrips, Stem borer, Brown Plant hopper, |
| | | Rice | Leaf folder |
| 8 | AZADIRACHTIN 0.03% MIN. NEEM OIL BASED E.C. CONTAINING | Rice | Leaf roller, |
| | | Rice | Stem borer, BPH |
| 9 | AZADIRACHTIN 5% W/W MIN. NEEM EXTRACT CONCENTRATES | Rice | Brown Plant Hopper, |
| | | Rice | Leaf Folder, |
| | | Rice | Stem Borer |
| 10 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>GALLERIAE</i> | Rice | Leaf folder |
| | | Rice | (<i>Cnaphalocrocis medinalis</i>) |
| 11 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-53 | Rice | Stem borer & Leaf folder |
| 12 | BENFURACARB 3% GR | Rice | Stem borer, Leaf folder, BPH |
| 13 | BIFENTHRIN 10% EC | Rice | Stem borer, leaf folder & Green leaf hopper |
| 14 | BROMADIOLONE 0.25% CB | Wheat | Field Rat, Indian house rat |
| 15 | BROMADIOLONE 0.005% RB | Wheat | Indian Field mouse Field Rat |
| 16 | BUPROFEZIN 25% SC | Rice | BPH, GLH, WBPH |
| 17 | CARBARYL 4% G.R. | Maize | Stem borer |
| 18 | CARBARYL 50% WP | Maize | Shoot fly |
| | | Maize | Stem Borer |
| 19 | CARBARYL 85% W.P. | Wheat | Army worm |
| | | Maize | Stem borer |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation for Cereals

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|----------------------------------|--------------------------|----------------------------|
| 20 | CARBOFURAN 3% CG | Barley | Aphid |
| | | Barley | Jassids |
| | | Barley | Cyst nematode |
| | | Bajra | Shoot fly |
| | | Maize | Stem borer |
| | | Maize | Shoot fly |
| | | Maize | Thrips |
| | | Wheat | Ear cockle nematode |
| | | Wheat | Cereal cyst nematode |
| 21 | CARBOSULFAN 6% G | Rice | Stem borer |
| | | Rice | Gall midge |
| | | Rice | Green leaf hopper |
| | | Rice | Leaf folder |
| 22 | CARBOSULFAN 25% EC | Rice | Green leaf hopper |
| | | Rice | White plant hopper |
| | | Rice | Brown plant hopper |
| | | Rice | Gall midge |
| | | Rice | Stem borer |
| 23 | CARTAP HYDROCHLORIDE 4% GRANULES | Rice | Stem borer, |
| | | Rice | Leaf folder, |
| | | Rice | Whorl Maggot |
| 24 | CARTAP HYDROCHLORIDE 50% SP | Rice | Stem borer, |
| | | Rice | Leaf folder |
| 25 | CARTAP HYDROCHLORIDE 75% SG | Rice | Yellow Stem borer, |
| | | Rice | Leaf folder |
| 26 | CHLORANTRANILIPROLE 18.5% SC | Rice | Stem borer and leaf folder |
| 27 | CHLORANTRANILIPROLE 0.4% GR | Rice | Yellow Stem |
| | | Rice | borer and leaf folder |
| 28 | CHLORPYRIFOS 10% G | Rice | Stem borer, Leaf |
| | | Rice | Roller, Gall midge |
| 29 | CHLORPYRIFOS 50% EC | Rice | Stem borer, Leaf roller |
| 30 | CLOTHIANIDIN 50% WDG | Rice | Brown plant hopper |
| 31 | CYPERMETHRIN 10% EC | Wheat | Shoot fly |
| 32 | DELTAMETHRIN 11% W/W EC | Rice | Stem borer, Leaf folder |
| | | Rice | Green leaf hopper, |
| | | Rice | Whorl maggot |
| 33 | DELTAMETHRIN 1.8% EC | Rice | Stem borer, |
| | | Rice | Leaf folder |
| 34 | DELTAMETHRIN 2.5% WP | Wheat & Rice | Rice weevil, |
| | | (Grain & seed in stacks) | Leaser grain borer, |
| | | (Grain & seed in stacks) | Khapra beetle, |
| | | (Grain & seed in stacks) | Red flour beetle, |
| | | (Grain & seed in stacks) | Saw toothed grain beetle, |
| | | (Grain & seed in stacks) | Rice moth, Almond moth |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation for Cereals

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|
| 35 | DICHLORVOS 76% EC | Wheat | Caterpillar |
| 36 | DIMETHOATE 30% EC | Bajra | Milky weed bug |
| | | Maize | Stem borer |
| | | Maize | Shoot fly |
| 37 | DINOTEFURAN 20% SG | Rice | Brown plant hopper |
| 38 | ETHOFENOPROX 10% EC | Rice | BPH, Stem borer, |
| | | Rice | Leaf folder, Gall midge, |
| | | Rice | Whorl maggot, GLH, WBPH |
| 39 | ETHYLENE DICHLORIDE + CARBON TETRACHLORIDE 3:1 | Stored | Rice weevil, |
| 40 | ETHYLENE DICHLORIDE + CARBON TETRACHLORIDE 3:2 | whole cereals Millets | Lesser grain Borer, Khapra Beetle, Rust red flour beetle, |
| 41 | FENOBU CARB (BPMC) 50% EC | Rice | Brown Plant Hopper, |
| | | Rice | Green Leaf Hopper |
| 42 | FIPRONIL 5% SC | Rice | Stem borer, Brown |
| | | Rice | plant hopper, Green |
| | | Rice | leaf hopper, Rice leaf hopper, Rice gall midge, Whorl maggot, White backed plant hopper |
| 43 | FIPRONIL 0.3% GR | Rice | Stem borer, Brown plant hopper, Green leaf hopper Rice leaf hopper, Rice gall midge, Whorl maggot, |
| 44 | FIPRONIL 0.3% GR | Rice | White backed plant hopper |
| 45 | FIPRONIL 80% WG | Rice | Stem borer, Leaf folder |
| 46 | FLONICAMID 50% WG | Rice | Brown plant hopper, white backed plant hopper, Green leaf hopper |
| 47 | FLUBENDIAMIDE 20% WG | Rice | Stem borer, Leaf borer |
| 48 | FLUBENDIAMIDE 39.35% M/M SC | Rice | Stem borer, Leaf folder |
| 49 | IMIDACLOPRIDE 70% WG | Rice | Brown Plant Hoppers, |
| | | Rice | White Backed Plant |
| | | Rice | Hoppers |
| 50 | IMIDACLOPRID 48% FS PER 100KG SEED | Pearl millet | Shoot fly and termites |
| 51 | IMIDACLOPRID 70% WS PER 100KG SEED | Pearl millet | Termites and shoot fly |
| 52 | IMIDACLOPRID 30.5% M/M SC | Rice | Brown plant hopper, |
| | | Rice | White backed plant |
| | | Rice | hopper |
| 54 | INDOXACARB 15.8% EC | Rice | Leaf folder, Piller, Green semilooper, stem fly |
| 55 | LAMBDA-CYHALOTHRIN 2.5% EC | Rice | Leaf folder, Stem borer |
| | | Rice | GLH, Gall midge, Hispa, Thrips |
| 56 | LAMBDA-CYHALOTHRIN 5% EC | Rice | Leaf folder, stem Borer, GLH, Gall Midge, Hispa, Thrips |
| | | | |
| | | | |
| 57 | METHYL BROMIDE 98% W/W | Stored Whole | Rice Weevil (<i>S.O</i>) |
| | | Cereals and | Lesser Grain Bore, Khapra Beetle (<i>T.g</i>), |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation for Cereals

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|--------------------------------------------------|----------------------------------|-----------------------------------------------------|
| | | Seed ,Millet, | Rust Red Flour |
| | | Mild Products : Flour, | Khapra Beetle (<i>T.g.</i>), |
| | | Mild Products : Flour, | Rust Red Flour |
| | | Mild Products : Flour, | Beetle, lesser grain |
| | | Mild Products : Flour, | borer |
| | | Seeds | |
| 58 | METHYL PARATHION 50% EC | Wheat | Cutworm |
| 59 | MONOCROTOPHOS 36% SL | Maize | Shoot fly |
| 60 | OXYDEMETON – METHYL 25% EC | Maize | Shoot fly |
| | PHORATE 10% CG | Bajra | Shoot fly |
| | | Bajra | White grub |
| | | Barley | Aphid |
| | | Maize | Shoot fly |
| | | Maize | Stem borer |
| | | Wheat | Shoot fly |
| 61 | PHOSALONE 35% EC | Barely | Aphid |
| 62 | QUINALPHOS 20% AF | Rice | Brown plant hopper , |
| | | Rice | Green leaf hopper, |
| | | Rice | Leaf folder, Stem borer |
| 63 | QUINALPHOS 25% EC | Wheat | Aphid |
| | | Wheat | Ear head Caterpillar , |
| | | Wheat | Mite |
| 64 | SODIUM CYANIDE | Agriculture land & Grain storage | Rats, & Soil insects |
| 65 | THIAMETHOXAM 30% FS | Wheat | Termites |
| | | Maize | Stem Fly |
| 66 | THIAMETHOXAM 25% WG | Rice | Stem borer, Gall midge, |
| | | Rice | Leaf folder, WBPH, |
| | | Rice | BPH, GLH, Thrips |
| | | Wheat | Aphid |
| 67 | TRICHLORFON 5% GR | Wheat | Army worm, Cut worm |
| 68 | TRICHLORFON 5% DUST | Wheat | Army worm, Cut worm |
| 69 | TRICHLORFON 50% EC | Wheat | Army worm, Cut worm |
| 70 | TRIAZOPHOS 20% EC | Rice | Stem Borer, Leaf Folder, |
| | | Rice | Hispa, Green leaf hopper, |
| | | Rice | Brown plant hopper, |
| | | Rice | White backed plant hopper |
| 71 | TRIAZOPHOS 40% EC | Rice | Stem Borer, Rice Hispa, |
| | | Rice | Leaf Folder, Green leaf hopper, Brown plant hopper, |
| 72 | TRIAZOPHOS 40% EC | Rice | White backed plant hopper. |
| 73 | Chlorpyrifos 50% + Cypermethrin 5%EC | Rice | Stem borer, Leaf folder |
| 74 | Deltamethrin 0.72% w/w + Buprofezin 5.65% w/w EC | Rice | Brown plant |
| | | Rice | Hopper, |
| | | Rice | Leaf folder |
| 75 | Ethiprole 40 + Imidacloprid 40% WG | Rice | BPH |
| | | Rice | WBPH |
| 76 | Thiamethoxam 12.6%+Lambda cyhalothrin 9.5%ZC: | Maize | Aphid,Shootfly, |
| | | Maize | Stem borer |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation for Cereals

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|---------------------------------------------------------------|------|-------------------------|
| 77 | Chlorantraniliprole 0.5 % w/w + Thiamethoxam 1.0 % w/w GR: | Rice | Stem borer |
| | | Rice | Leaf Folder |
| | | Rice | Brown Plant Hopper |
| | | Rice | Green Leaf Hopper |

Note- Plz. See CIB & RC website cibrc.nic.in for the details.

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|--------------------------------------------------------------------------|-----------------------|--------------------------------------------------|
| 1 | ACETAMIPRID 20% SP | Cabbage | Aphids |
| | | Okra | Aphids |
| | | Chilli | Thrips |
| 2 | AZADIRACHTIN 1% (10000 PPM) MIN. NEEM BASED E.C. CONTAINING | Tomato | Fruit borer |
| | | Tomato | (<i>Helicoverpa</i> |
| | | Tomato | <i>armigera</i>) |
| | | Brinjal | Fruit and Shoot |
| | | Brinjal | borer (<i>Leucinodes orbonalis</i>) |
| 3 | AZADIRACHTIN 0.03% (300 PPM) NEEM OIL BASED WSP CONTAINING | Okra | Fruit borer, |
| | | Okra | White flies |
| | | Okra | Leaf Hopper |
| | | Brinjal | Shoot & Fruit |
| | | Brinjal | borer, beetles |
| | | Cabbage | Aphids, DBM, |
| | | Cabbage | Cabbage worm, Cabbage looper |
| | | | |
| 4 | AZADIRACHTIN 5% W/W MIN. NEEM EXTRACT CONCENTRATES | Cauliflower | Spodoptera, |
| | | Cauliflower | Diamond back moth, |
| | | Cauliflower | Aphids |
| | | Bhindi | Leafhopper, |
| | | Bhindi | whitefly, Aphid, |
| | | Bhindi | Pod Borer |
| | | Bhindi | |
| | | Tomato | Aphids, Whitefly, |
| | | Tomato | Fruit borer |
| | | | |
| 5 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>GALLERIAE</i> | Cabbage & Cauliflower | Diamond back moth (<i>Plutella xylostella</i>) |
| | | Tomato | Fruit borer (<i>H. armigera</i>) |
| | | Bhindi | Fruit borer (<i>Earias spp.</i>) |
| | | Chillies | Fruit borer (<i>spodoptera litura</i>) |
| 6 | <i>BACILLUS THURINGIENSIS</i> SEROVAR <i>KURSTAKI</i> (3A, 3B, 3C) 5% WP | Cabbage | Diamond back moth |
| 7 | <i>BEAUVERIA BASSIANA</i> 10% SC | Cabbage | DBM |
| 8 | INTERNATIONAL PANACEA LTD. STRAIN NO. IPL/BB/MI/01 | Okra | Fruit borer / spotted bollworm |
| 9 | BUPROFEZIN 25% SC | Chillies | Yellow Mite |
| 10 | BUPROFEZIN 70% DF | Okra | Jassids |
| 11 | CARBARYL 5% D.P. | Bhindi | Jassid |
| | | Cabbage | Cabbage borer |
| | | Cauliflower | Cabbage borer |
| 12 | CARBARYL 10% D.P. | Bhindi | Fruit borer, Jassids |
| | | Cabbage | Diamond back moth |
| | | Cabbage | Army worm |
| 13 | CARBARYL 50% WP | Tomato | Fruit Borer |
| | | Chillies | Thrips |
| | | Brinjal | Fruit Borer, Jassids |
| | | Bhindi | Fruit Borer |
| | | Cauliflower | Cabbage borer |
| | | Cabbage | Cabbage Borer |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------|------------------------------------------|----------------------------------------------------|
| 14 | CARBOFURAN 3% CG | Potato | Aphid, |
| | | Potato | Jassids |
| | | Tomato | White fly |
| | | Bhindi | Jassids |
| | | Chillies | Aphid , Thrips |
| | CARBOFURAN 3% CG | Cabbage | Nematode |
| | | Brinjal | Root knot nematode |
| | | Brinjal | Reniform nematode |
| 15 | CARBOSULFAN 25% EC | Chilli | Leaf folder |
| | | Chilli | White aphid |
| 16 | CHLORANTRANILIPROLE 18.5% SC | Cabbage | Diamond back moth |
| | | Tomato | Fruit borer |
| | | Chilli | Fruit borer |
| | | Brinjal | Shoot & Fruit borer |
| | | Bitter gourd | Fruit borers & Caterpillars |
| | | Okra | Fruit Borer |
| 17 | CHLORFENAPYR 10% SC | Cabbage | Diamond back moth |
| | | Cabbage | (<i>Plutella xylostella</i>) |
| | | Chilli | Mites (<i>Polyphagotarsonemus latus</i>) |
| 18 | CHLORFLUAZURON 5.4% EC | Cabbage | Diamond back moth, Tobacco leaf eating caterpillar |
| 19 | CHLORPYRIFOS 20% EC | Brinjal | Shoot & fruit borer |
| | | Cabbage | Diamond back moth |
| | | Onion | Root grub |
| 20 | CYANTRANILIPROLE 10.26% OD | Cabbage | Cabbage Aphid- <i>Brevicoryne brassicae</i> |
| | | Cabbage | Mustard Aphid- <i>Lipaphis erysimi</i> |
| | | Cabbage | Diamond back moth- <i>Plutella xylostella</i> |
| | | Cabbage | Tobacco caterpillar- <i>Spodoptera litura</i> |
| | | Chilli | Thrips- <i>Scirtothrips dorsalis</i> |
| | | Chilli | Fruit borer- <i>Helicovepra armigera</i> |
| | | Chilli | Tobacco caterpillar- <i>Spodoptera litura</i> |
| | | Tomato | Leaf miner – <i>Liriomyza trifolii</i> |
| | | Tomato | Aphids – <i>Aphis gossypii</i> |
| | | Tomato | Thrips- <i>Thrips tabaci</i> |
| | | Tomato | White fly – <i>Bemesia tabaci</i> |
| | | Tomato | Fruit borer – <i>Helicovepra armigera</i> |
| 21 | CYPERMETHRIN 0.25% DP | Brinjal | Fruit & shoot borer |
| 22 | CYPERMETHRIN 10% EC | Cabbage | Diamond backmoth |
| | | Okra | Fruit borer |
| | | Brinjal | Fruit & shoot borer |
| 23 | CYPERMETHRIN 25% EC | Bhindi | Shoot & fruit borer |
| | | Bhindi | Jassids |
| | | Brinjal | Shoot & fruit borer |
| 24 | DAZOMET TECHNICAL | Tomato | Root-knot nematode |
| | | Floriculture (Carnation & Gerbera) | Root-knot nematode |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-----------------------|-----------------------|---------------------------------------------------------|
| 25 | DELTA METHRIN 2.8% EC | Bhindi | Shoot & fruit borer |
| | | Bhindi | Jassid |
| | | Chilli | Fruit borer |
| | | Brinjal | Shoot & Fruit Borer |
| 26 | DICHLORVOS 76% EC | Cucurbit | Red pumpkin beetle |
| 27 | DICOFOL 18.5% EC | Okra | Red Spider mite |
| | | Brinjal | Yellow mite |
| | | Bottle & Bitter gourd | Red Spider mite |
| 28 | DIAFENTHIURON 50% WP | Cabbage | Diamond Back Moth |
| | | Chilli | Mites |
| | | Brinjal | Whitefly |
| 29 | DIMETHOATE 30% EC | Bhindi | Aphid |
| | | Bhindi | Leaf hopper, Jassid |
| | | Brinjal | Shoot borer |
| | | Cabbage & Cauliflower | Aphid , Painted bug |
| | | Cabbage & Cauliflower | Mustard aphid |
| | | Chillies | Mite |
| | | Onion | Thrips |
| | | Potato | Thrips |
| | | Tomato | Aphids |
| | | Tomato | White fly |
| | | Okra | Fruit & Shoot Borer |
| | | Cabbage | DBM |
| | | Chilli | Fruit borer, Thrips & |
| | | Chilli | Mites |
| | | Brinjal | Fruit and Shoot borer |
| 30 | ETHION 50% EC | Chilli | Mites & thrips |
| 31 | ETOXAZOLE 10% SC | Brinjal | Red Spider Mite |
| | | Chilli | Yellow mite |
| | | Apple | Red spider mite and |
| | | Apple | two spotted mite |
| | | Okra | Red spider mite |
| | | Brinjal | Red spider mite |
| | | Tomato | Two spotted |
| | | Tomato | spider mite |
| 32 | FENPROPATHRIN 30% EC | Chilli | Thrips, Whitefly, Mites |
| | | Brinjal | Whitefly, Shoot and |
| | | Brinjal | Fruit borer, Mites |
| | | Okra | Whitefly, Shoot and |
| | | Okra | Fruit borer, Mites |
| 33 | FENPYROXIMATE 5% EC | Chilli | Yellow mite |
| 34 | FENVALERATE 20% EC | Cauliflower | Diamond back moth , American boll worm, Aphids, Jassids |
| | | Brinjal | Shoot & fruit borer |
| | | Brinjal | Aphids |
| | | Okra | Shoot & fruit borer |
| | | Okra | Jassids |
| 35 | FIPRONIL 5% SC | Cabbage | Diamond back moth |
| | | Chillies | Thrips, Aphids, |
| | | Chillies | Fruit borers |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------|-------------|--------------------------|
| 36 | FIPRONIL 80% WG | Onion | Thrips |
| | | Cabbage | Diamond Back Moth |
| 37 | FLUBENDIAMIDE 20% WG | Tomato | Fruit borer |
| | | Cabbage | Diamond back moth |
| | | Chilli | Fruit borer |
| 38 | FLUBENDIAMIDE 39.35% M/M SC | Chilli | Fruit borer |
| | | Tomato | Fruit borer |
| | | Cabbage | Diamond moth back |
| 39 | FLUMITE 20% SC / FLUFENZINE 20%SC | Brinjal | Mite |
| 40 | HEXYTHIAZOX 5.45% W/W EC | Chilli | Yellow mites |
| | | Apple | European Red Mite |
| 41 | IMIDACLOPRIDE 70% WG | Okra | Jassids, Aphids, Thrips |
| | | Cucumber | Aphids & Jassids |
| 42 | IMIDACLOPRID 48% FS PER 100KG SEED | Okra | Jassid, Aphid |
| 43 | IMIDACLOPRID 70% WS PER 100KG SEED | Okra | Jassid, Aphid |
| | | Chillies | Jassid, Aphid, Thrips |
| | | Chilly | Jassid, Aphid, Thrips |
| 44 | IMIDACLOPRID 17.8% SL | Okra | Aphid, Jassid, Thrips |
| | | Tomato | Whitefly |
| | | Cabbage | Diamond back moth |
| 45 | INDOXACARB 14.5% SC | Chillies | Fruit borer |
| | | Tomato | Fruit borer |
| | | Cabbage | Diamond back moth |
| 46 | INDOXACARB 15.8% EC | Cabbage | Diamond back moth |
| 47 | LAMBDA-CYHALOTHRIN 4.9% CS | Brinjal | Shoot & fruit borer |
| | | Okra | Fruit borer |
| | | Tomato | Fruit borer |
| | | Chilli | Thrips & pod borer |
| 48 | LAMBDA-CYHALOTHRIN 5% EC | Brinjal | Shoot & fruit borer |
| | | Tomato | Fruit borer |
| | | Chilli | Thrips , mite, pod borer |
| | | Onion | Thrips |
| 49 | LUFENURON 5.4% EC | Bhindi | Jassids , shoot borer |
| | | Cabbage | Diamond backmoth |
| | | Cauliflower | Diamond backmoth |
| | | Chilli | Fruit borer |
| 50 | MALATHION 50% EC | Bhindi | Aphid |
| | | Bhindi | Jassids, |
| | | Bhindi | Spotted Boll Worm |
| | | Brinjal | Mites |
| | | Cabbage | Mustard aphid |
| | | Cauliflower | Head borer |
| | | Radish | Stem borer |
| | | Turnip | Tobacco caterpillar |
| 51 | METAFLUMIZONE 22% SC | Tomato | White fly |
| | | Cabbage | Diamond back moth |
| 52 | METALDEHYDE | Vegetables | Snails |
| 53 | METHOMYL 40% SP | Tomato | Pod borers |
| | | Chilli | Pod borers & Thrips |
| 54 | MILBEMECTIN 1% EC | Chilli | Yellow /white mite |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------------------------------------|-------------|---------------------------------------------|
| 55 | NOVALURON 10% EC | Cabbage | Diamond back moth |
| | | Tomato | Fruit borer |
| | | Chilli | Fruit borer, |
| | | Chilli | Tobacco Caterpillar |
| 56 | NUCLEAR POLYHEDROSIS VIRUS OF HELICOVERPA ARMIGERA 0.43% AS | Tomato | <i>Helicoverpa armigera</i> |
| 57 | NPV OF HELICOVERPA ARMIGERA 2.0% AS | Tomato | Fruit borer |
| 58 | (B) BIO-TECH INTERNATIONAL STRAIN NO. BIL/HV-11 | Tomato | Fruit borer (<i>Helicoverpa armigera</i>) |
| 59 | NPV OF <i>HELICOVERPA ARMIGERA</i> 0.43% AS STRAIN NO. BIL/HV-10 | Tomato | <i>Helicoverpa armigera</i> |
| 60 | OXYDEMETON – METHYL 25% EC | Bhindi | White fly |
| | | Bhindi | Jassid/ Leaf beetle |
| | | Chilli | Aphid |
| | | Chilli | Mites |
| | | Chilli | Thrips |
| | | Onion | Thrips |
| | | Tomato | White fly |
| | | Potato | Aphids |
| | | Apple | Sanjose scale |
| | | Apple | Wooly Aphid |
| 61 | PAECILOMYCES LILACINUS 1.15% WP | Brinjal | Root Knot Nematode |
| 62 | PHORATE 10% CG | Brinjal | Aphid, Jassids, |
| | | Brinjal | Lace wing bug, |
| | | Brinjal | Red spider mite |
| | | Brinjal | Thrips |
| | | Cauliflower | Aphid |
| | | Chillies | Aphid , Mite, Thrips |
| | | Potato | Aphid |
| | | Tomato | White fly |
| 63 | PHOSALONE 35% EC | Brinjal | Fruit borer |
| | | Cabbage | Aphid |
| | | Tomato | Fruit borer |
| | | Tomato | Aphid, Pink mite |
| 64 | PHOSPHAMIDON 40% SL | Brinjal | Jassid, Aphid, |
| | | Brinjal | White fly |
| 65 | PROPARGITE 57% EC | Chillies | Mite |
| | | Brinjal | Two spotted spider |
| | | Brinjal | mite |
| 66 | PYRIPROXYFEN 10% EC | Chilli | Whitefly, Aphids |
| | | Okra | Fruit & shoot borer |
| | | Cabbage | Diamond back moth |
| 67 | QUINALPHOS 25% GEL | Chillies | Aphid, |
| 68 | QUINALPHOS 20% AF | Okra | Shoot/Fruit borer |
| | | Tomato | Fruit borer |
| 69 | QUINALPHOS 25% EC | Bhindi | Fruit borer |
| | | Bhindi | Leaf hopper |
| | | Bhindi | Mite |
| | | Cauliflower | Stem borer |
| | | Chillies | Aphid |
| | | Chillies | Mite |
| | | Tomato | Fruit borer |

Central Insecticides Board & Registration Committee, Faridabad

Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|-----------------------------------------------|-------------------------|---------------------------------------|
| 70 | QUINALPHOS 1.5% DP | Chillies | Aphid |
| 71 | SPINETORAM 11.7 % SC | Chillies | Thrips, |
| | | Chillies | Fruit borer |
| | | Chillies | Tobacco caterpillar |
| 72 | SPINOSAD 45.0% SC | Chillies | Fruit borer, Thrips |
| 73 | SPINOSAD 2.5% SC | Cabbage & | Diamond back moth |
| | | Cauliflower | |
| 74 | SPIROMESIFEN 22.9% SC | Brinjal | Red spider mite |
| | | Chilli | Chilli Yellow Mite |
| | | Okra | Red spider mite |
| | | Tomato | Whiteflies & Mites |
| 75 | THIACLOPRID 21.7% SC | Chilli | Thrips |
| | | Brinjal | Shoot & fruit borer |
| 76 | THIODICARB 75% WP | Cabbage | Diamond back moth |
| | | Brinjal | Shoot & Fruit borer |
| | | Chilli | Fruit borer |
| 77 | THIAMETHOXAM 30% FS | Chilli | Thrips |
| | | Okra | Jassids |
| 78 | THIAMETHOXAM 70% WS | Okra | Aphids, Jassids |
| | | Tomato | Aphids & Thrips |
| 79 | THIAMETHOXAM 25% WG | Okra | Jassid, Aphid, White flies |
| | | Tomato | White flies |
| | | Brinjal | White flies |
| | | Potato | Aphids |
| | THIAMETHOXAM 25% WG | Potato | -foliar application |
| | | Potato | -Soil drench |
| | | Potato | Aphids |
| 80 | THIOMETON 25% EC | Brinjal | Aphid & Jassid |
| | | Brinjal | Fruit and Shoot borer |
| 81 | TOLFENPYRAD 15% EC | Cabbage | Diamond Back moth, Aphids |
| | | Okra | Aphids, Jassids, Thrips and white fly |
| 82 | TRICHLORFON 5% GR | Vegetables | Fruit and shoot borer |
| | | (Brinjal, cabbage, | Diamond back moth |
| | | cauliflower, cucurbits, | Tobacco caterpillar |
| | | tomato) | Red pumpkin beetle |
| 83 | TRICHLORFON 5% DUST | Vegetables (Brinjal, | Fruit and shoot borer |
| | | cabbage, cauliflower, | Diamond back moth |
| | | cucurbits, tomato) | Tobacco caterpillar |
| | | cucurbits, tomato) | Red pumpkin beetle |
| 84 | TRICHLORFON 50% EC | Vegetables (Brinjal, | Fruit and shoot borer |
| | | cabbage, cauliflower, | |
| | | cucurbits, tomato) | Diamond back moth |
| | | Vegetables (Brinjal, | Tobacco caterpillar |
| | | cabbage, cauliflower, | |
| | | cucurbits, tomato) | Red pumpkin beetle |
| 85 | Betacyfluthrin 8.49% + Imidacloprid 19.81% OD | Brinjal | Aphids, Jassids |
| | | Brinjal | shoot & fruit borer |

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Insecticides - Crop wise recommendation Vegetables

| Sr. No. | Insecticides | Crop | Common name of the pest |
|---------|------------------------------------------------------------|----------|---------------------------------|
| | Cypermethrin 3% + Quinalphos 20% EC | Brinjal | Shoot & Fruit borer |
| 86 | Deltamethrin 1% + Trizophos 35%EC | Brinjal | Shoot & Fruit |
| | | Brinjal | Borer, Jassids, |
| | | Brinjal | Aphid, |
| | | Brinjal | Epllachna beetle |
| 87 | Flubendiamide 19.92% w/w+ Thiacloprid 19.92% w/w | Chilli | Thrips |
| | | Chilli | Fruit borer |
| 88 | Indoxacarb 14.5% + Acetamiprid 7.7% w/w SC | Chillies | Thrips, & |
| | | Chillies | Fruit borer |
| 89 | Novaluron 5.25% + Indoxacarb 4.5% SC | Tomato | Fruit borer & |
| | | Tomato | leaf eating caterpillar |
| 90 | Pyriproxyfen 5% EC + Fenpropathrin 15% EC | Brinjal | Whitefly, shoot and fruit borer |
| | | Okra | Whitefly, fruit borer |
| | | Chilli | Whitefly, fruit borer |
| 91 | Thiamethoxam 12.6%+Lambda cyhalothrin 9.5%ZC: | Chilli | Thrips, Fruit borer |
| 92 | Chlorantraniliprole 8.8% w/w + Thiamethoxam 17.5 % w/w SC: | Tomato | Leaf Miner, |
| | | Tomato | Whitefly & |
| | | Tomato | Fruit borer |

Note- Plz. See CIB & RC website cibrc.nic.in for the details.

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| Insecticides - Crop wise recommendation for fruit crops | | | |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Sr. No. | Insecticides | Crop | Common name of the pest |
| 1 | ALUMINUM PHOSPHIDE 56% 3 g tab, 10g pouch | Dry Fruits, Nuts | |
| 2 | ALUMINUM PHOSPHIDE 15%, 12g tablet | fruits, nuts, spices & oilseeds (Air tight cover or godowns) | Khapra Beetle, Saw Toothed Grain Beetle , |
| | | fruits, nuts, spices & oilseeds (Air tight cover or godowns) | Rice Moth, Almond |
| | | fruits, nuts, spices & oilseeds (Air tight cover or godowns) | Moth |
| 3 | AZADIRACHTIN 5% W/W MIN. NEEM EXTRACT CONCENTRATES | Tobacco | Tobacco caterpillar, |
| | | Tobacco | Aphids |
| 4 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-57 | Tobacco | Spodoptera, Heliothis |
| 5 | <i>BACILLUS THURINGIENSIS</i> VAR. <i>KURSTAKI</i> , SEROTYPE H-39, 3B, STRAIN Z-59 | Teak | Defoliator (<i>Hyblaea pured</i>) , Skeletonizer (<i>Eutectona machaeralis</i>) |
| | | Wood | Dipping/brushing |
| 6 | BROMADIOLONE 0.25% CB | Coconut/ Bamboo | Indian house rat |
| 7 | BROMADIOLONE 0.005% RB | Coconut/ Bamboo | Indian house rat, Field Rat |
| | | Coconut/ Bamboo | Large bandicota |
| 8 | BUPROFEZIN 25% SC | Mango | Hoppers |
| | | Grapes | Mealy bugs |
| 9 | CARBOFURAN 3% CG | Citrus | Nematode |
| | | Citrus | Leaf miner |
| | | Tea | Cock chafer grub |
| 10 | CHLORPYRIFOS 20% EC | Ber | Leaf hopper |
| | | Citrus | Black citrus, Aphid |
| | | Tobacco | Ground beetle |
| 11 | CYANTRANILIPROLE 10.26% OD | Grapes | Thrips- <i>Scirtothrips dorsalis</i> |
| | | Grapes | Flea beetle- <i>Scelodonta strigicollis</i> |
| 12 | DAZOMET TECHNICAL | Tobacco | Root-knot nematode, |
| | | (Carnation & Gerbera) | |
| 13 | DELTAMETHRIN 2.8% EC | Mango | Hoppers |
| 14 | DICHLORVOS 76% EC | Cashew | Apple borer |
| 15 | DICOFOL 18.5% EC | Citrus | Red Spider mite |
| | | Litchi | Red Spider mite |
| 16 | DIMETHOATE 30% EC | Citrus | Black citrus aphid |
| | | Fig | Fig jassid |
| | | Fig | Mealy bug |
| | | Mango | Hopper |
| | | Grapes | Thrips |
| 17 | FENPYROXIMATE 5% EC | Coconut | Eriophyde mite |
| 18 | FIPRONIL 80% WG | Grapes | Thrips |
| 19 | IMIDACLOPRID 17.8% SL | Mango | Hopper |
| | | Citrus | Leaf miner, |
| | | Citrus | psylla |
| | | Grapes | Flea beetle |
| 20 | LAMBDA-CYHALOTHRIN 4.9% CS | Grapes | Thrips & Flea beetle |
| 21 | LAMBDA-CYHALOTHRIN 5% EC | Mango | Hoppers |

Central Insecticides Board & Registration Committee, Faridabad

| Insecticides - Crop wise recommendation for fruit crops | | | |
|---------------------------------------------------------|----------------------------------|-----------------------------|------------------------------|
| Sr. No. | Insecticides | Crop | Common name of the pest |
| 22 | MALATHION 50% EC | Mango | Mealy scale, |
| | | Mango | Mango hooper |
| | | Grape | Beetle |
| 23 | METALDEHYDE | Citrus, Rubber, Paddy, Tea, | Snails, Slugs, Giant African |
| 24 | METHOMYL 40% SP | Grapes | Mealy bug |
| 25 | METHYL BROMIDE 98% W/W | Dry Fruits, Nuts | Rust Red Flour |
| 26 | MONOCROTOPHOS 36% SL | Citrus | Black aphids |
| | | Citrus | Mite |
| | | Mango | Bug mite |
| | | Mango | Gall maker |
| | | Mango | Hopper, |
| | | Mango | Mealy bug |
| | | Mango | Shoot borer |
| | | Coconut | Black headed |
| | | Coconut | Caterpillar |
| 27 | NPV OF SPODOPTERA LITURA 0.5% AS | Tobacco | <i>Spodoptera litura</i> |
| 28 | OXYDEMETON – METHYL 25% EC | Mango | Hoppers |
| | | Tobacco | White fly/Aphids |
| 29 | PHORATE 10% CG | Citrus | Leaf minor |
| 30 | QUINALPHOS 25% EC | Citrus | Scale |
| | | Citrus | Citrus butterfly |
| 31 | THIAMETHOXAM 25% WG | Mango | Hoppers |
| | | Citrus | Psylla |
| | | tomato) | Red pumpkin beetle |
| 32 | VERTICILLIUM LECANII 1.15% WP | Citrus | Mealy bug |

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