

Selected insecticides approved for use on insects attacking tomato.

Phil Stansly, Southwest Florida Research and Education Center

Chemical Name	Rate Per Acre	Days to Harvest	Insects
Agrimek .15EC (abamectin)	8 - 16 fl oz	7	leafminers, tomato pinworms, mites
Neemix .25EC (azadirachtin)	0.5 -2.0 gal/acre	1	armyworms, hornworms, psyllids, saltmarsh caterpillars, cabbage loopers, Colorado potato beetle, cutworms, leafminers, loopers, tomato fruitworm (corn earworm), tomato pinworm, whiteflies
Guthion 2S,2L (EC) (azinphosmethyl)	1½ - 6 pt	up to day of harvest if 3 pts or less; 14 for >3 pts -	aphids, banded cucumber beetles, flea beetles, grasshoppers, hornworms, stinkbugs, Colorado potato beetle, corn earworm, cucumber beetles, leafhoppers, leafminers, thrips, tomato fruitworm, tomato pinworm, tuberworms, whiteflies, drosophilias, European corn borer, yellow-striped armyworms
BT (<i>Bacillus thuringiensis</i>)	See label		armyworms, hornworms, saltmarsh caterpillars, cabbage loopers, corn earworms, cutworms, loopers, tomato fruitworms
Sevin 80S(WP) (carbaryl)	⅔ - 2½ lbs	3	fall armyworms, flea beetles, grasshoppers, hornworms, plant bugs, stinkbugs, Colorado potato beetle, cutworms, lace bugs, leafhoppers, tomato fruitworms, tomato pinworms, European corn borer, ants, crickets, sowbugs, lacebugs, darkling beetles
XLR	½ - 2 qts/a	3	
Kryocide 96WP (cryolite)	8 - 16 lbs	14	blister beetles, flea beetles, hornworms, cabbage loopers, tomato fruitworms, tomato pinworms
Baythroid 2E (cyfluthrin)	1.6 - 2.8 oz	0	aphids, beet armyworms, European corn borer, hornworms, southern armyworms, stinkbugs, cabbage loopers, Colorado potato beetle, cutworms, leafminers, thrips, tomato fruitworms, tomato pinworms
D.z.n.; AG-500 4EC (diazinon)	¾ - 1 pt	1	mole crickets, wireworms, aphids, armyworms, banded cucumber beetles, fall armyworms, drosophilias, symphylans, southern armyworms, cutworms, leafminers
14G	14 - 28 lbs	preplant	
Cygon 4EC Dimethoate (dimethoate)	½ - 1 pt	7	aphids, leafhoppers, leafminers
Di-Syston 8EC (disulfotol)	1 - 3 pt 38 " row spacing	30	aphids, Colorado potato beetle, leafhoppers, mites

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Thiodan 3EC Phaser (endosulfan)	$\frac{3}{8}$ - 1 $\frac{1}{2}$ qt	2	aphids, blister beetles, flea beetles, hornworms, stinkbugs, cabbage loopers, Colorado potato beetles, tomato fruitworms, whiteflies, mites, yellow-striped armyworms
Asana XL .66EC (esfenvalerate)	2.9 - 9.6 fl oz	1	aphids, armyworms, beet armyworms, flea beetles, grasshoppers, hornworms, souther armyworms, cabbage loopers, Colorado potato beetle, cutworms, leafminers, tomato fruitworms, whiteflies, yellow-striped armyworms
Danitol 2.4EC (fenpropathrin)	10% fl oz	3	aphids, thrips, tomato fruitworms, tomato pinworms, whiteflies, yellow-striped armyworms
Admire 2E Provado 1.6E (imidacloprid)	16 - 24 fl oz (soil use) 3.75 fl oz	21 0 - foliar	aphids, flea beetles, Colorado potato beetle, thrips, whiteflies
Karate 1EC Warrior (lambda-cyhalothrin)	1.92 - 3.84 fl oz	5 - caution, see label	aphids, beet armyworms, European corn borer, fall armyworms, flea beetles, grasshoppers, hornworms, plant bugs, stinkbugs, cabbage loopers, Colorado potato beetles, cutworms, leafhoppers, leafminers, tomato fruitworms, tomato pinworms, whiteflies, European corn borer, yellow-striped armyworms
Cythion 5EC Malathion (malathion)	1 - 3 pts	1	aphids, armyworms, cabbage loopers, cutworms, leafhoppers, leafminers, mealy bugs, thrips, whiteflies, drosophilias, flea hoppers, mites
Monitor 4EC (methamidophos)	$\frac{1}{2}$ - 2 pts fresh fruit only	7	aphids, leafminers, tomato fruitworms, tomato pinworms, whiteflies
Lannate 2.4 L (methomyl)	1 $\frac{1}{2}$ - 3 pts	1	aphids, armyworms, beet armyworms, cabbage loopers, cutworms, fall armyworms, hornworms, southern armyworms, tomato fruitworms, tomato pinworms, loopers
Methoxychlor 4L (methoxychlor)	1 - 3 qts	1 = 1 $\frac{3}{4}$ qts 7 for >1 $\frac{3}{4}$ qts	blister beetles, Colorado potato beetles, corn earworms, fall armyworms, flea beetles, hornworms, leafhoppers
Methyl Parathion 4EC PennCap-M (methyl parathion)	1 - 4 pts	15	aphids, armyworms, flea beetles, leafhoppers, psyllids, mites
Oil, insecticidal (Sun Spray) 98.8%	See label 1 - 2 gal/100 gal water	0	aphids, leafhoppers, leafminers, thrips, whiteflies, mites

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Vydate L 2EC (oxamyl)	2 - 4 pts	1	aphids, Colorado potato beetles, leafminers
Ambush 2EC	3.2 - 12.8 oz	up to day of harvest	beet armyworms, cabbage loopers, Colorado potato beetles, cutworms, hornworms, leafminers, southern armyworms, tomato fruitworms, tomato pinworms, whiteflies
Pounce 3.2EC (permethrin)	2 - 8 oz	0	
Rotenox; EC Rotacide (rotenone)	1 gal	0	aphids, armyworms, cabbage loopers, Colorado potato beetles, cucumber beetles, cutworms, flea beetles, grasshoppers, leafhoppers, leafminers, psyllids, thrips, drosophilias, crickets
Soap, insecticidal (M-Pede) 49% EC	see label	0	aphids, leafhoppers, plant bugs, thrips, whiteflies, mites
Pheromones (no mate TPW spiral) (no mate TPW fiber)	Read label carefully	see label	tomato pinworms
Kelthane 4EC (dicofol)	¾ - 1½ pt	2	mites
Telone II; C-17 (dichloropropene)	See label		wireworms
Sulfur	See label		mites
Pyrenone 4EC (pyrethrin + piperonyl butoxide)	2 - 12 oz	0	crickets, aphids, armyworms, cabbage loopers, Colorado potato beetles, corn earworms, cucumber beetles, drosophilias, flea beetles, leafhoppers, psyllids, thrips, whiteflies
Pyrellin EC (pyrethrin + rotenone)	1 - 2 pts	0	vegetable weevil, ants, aphids, Colorado potato beetles, cucumber beetles, European corn borer, flea beetles, flea hoppers, leafhoppers, leafminers, loopers, mites, plant bugs, stink bugs, thrips, whiteflies