



UNIVERSITY OF  
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ENY-467

EXTENSION

Institute of Food and Agricultural Sciences

## Insect Management for Onions, Leek, and Garlic<sup>1</sup>

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**Table 1.** Selected insecticides approved for use on insects attacking onions and allies.

Chemical Name	REI (hours)	Days to Harvest	Insects	Notes
<b>*Ambush 2 EC</b> (permethrin) (dry only)	12	1	armyworms, cutworms, leafminers, onion maggot (adults), onion thrips, stink bugs	Also garlic.
<b>*Ammo 2.5 EC</b> (cypermethrin)	12	7	aphids, armyworms, cutworms, leafminers, onion maggot adults, stink bugs	
<b>Azatin XL</b> (azadirachtin)	4	0	aphids (suppression), armyworms, beetles, caterpillars, cutworms, leafhoppers, leafminers, loopers, thrips, whiteflies	
<b>Bt</b> ( <i>Bacillus thuringiensis</i> )	4 (most)	0	cabbage looper, armyworms, cutworms, loopers, beet armyworm	
<b>*D.z.n. 14 G</b> (diazinon) <b>4 EC</b>	24	preplant	onion maggot, wireworms	
		14	thrips	

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**Table 1.** Selected insecticides approved for use on insects attacking onions and allies.

Chemical Name	REI (hours)	Days to Harvest	Insects	Notes
<b>Extinguish</b> ((S)-methoprene)	4	0	fire ants	Slow-acting IGR (insect growth regulator). Best applied early spring and fall where crop will be grown. Colonies will be reduced after three weeks and eliminated after 8 to 10 weeks. This is the only fire ant bait that is labeled for use on cropland. May be applied by ground equipment or aerially.
<b>*Lannate 2.4 L; SP</b> (methomyl)	48	7 = (dry and green)	beet armyworm, black cutworm, thrips, variegated cutworm	
<b>Lorsban 15 G; 4 E</b> (chlorpyrifos)	24	at planting	onion maggot	Dry bulb only.
<b>Malathion 5 EC; 8 EC; 57 EC</b> (malathion)	12	3	onion maggot, wireworms	
<b>M-Pede 49% EC</b> Soap, insecticidal	12	0	aphids, leafhoppers, mites, plant bugs, thrips, whiteflies	
<b>*Mustang 1.5 EW</b> <b>*Fury 1.5 EC</b> (zeta-cypermethrin)	12	7	aphids, armyworms, cutworms, leafminers, onion maggot adults, onion thrip, stink bugs	
<b>Neemix 4.5 EC</b> (azadirachtin)	12	0	aphids, armyworms, cabbage looper, cutworms, leafminers, onion maggot, thrips, whiteflies	
<b>*PennCap-M 2 EC</b> (methyl parathion)	4 days - See label	15	thrips	Do not apply when onions are blooming and bees are foraging.
<b>*Pounce 3.2 EC</b> (permethrin) (dry only)	12	1	armyworms, cutworms, leafminers, onion maggot, stink bugs, thrips	
<b>Pyrellin EC</b> (pyrethrin + rotenone)	12	0	aphids, leafhoppers, loopers, mites, plant bugs, stink bugs, thrips, whiteflies	
<b>Py-Rin 60-6 EC</b> (pyrethrin + piperonyl butoxide)	12	0	aphids, armyworms, cabbage looper, leafhoppers, thrips, whiteflies	
<b>*Telone C-35</b> (dichloropropene + chloropicrin)	5 days - See label	preplant	symphylans, wireworms	

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Chemical Name	REI (hours)	Days to Harvest	Insects	Notes
*Warrior (lambda-cyhalothrin)	24	14	aphids, armyworms, cutworms, onion maggot adults, plant bugs, stink bugs, thrips	
<p>The pesticide information presented in this table was current with federal and state regulations at the time of revision. The user is responsible for determining the intended use is consistent with the label of the product being used. Use pesticides safely. Read and follow label instructions.</p>				
<p>* Restricted Use Only.</p>				