

2019 SLF LANDSCAPE TREATMENT RECOMMENDATIONS

Systemic Products								
Active Ingredient	Toxicity*			Application Method	Recommended Timing	Life stage targeted	Activity against SLF	Season-long residual
	Bird	Fish	Bee					
dinotefuran	--	--	H	Soil drench	After flower – July	Adults	Excellent	Excellent
dinotefuran	--	--	H	Bark banding	July-September	Adults	Excellent	Excellent
dinotefuran	--	--	H	Trunk injection	July-September	Adults	Excellent	Excellent
imidacloprid	M	M	H	Soil drench	After flower - July	Adults	Variable	Variable
imidacloprid	M	M	H	Trunk injection	July-September	Adults	Excellent	Excellent
Contact Products								
bifenthrin	M	H	H	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Good (up to 2 weeks activity)
carbaryl	S	N	H	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Good (up to 1 week activity)
zeta-cypermethrin	S	H	H	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Poor
malathion	M	H	H	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Poor
Neem oil	--	H	H	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Good	Poor
Natural pyrethrins	N	H	M	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Poor
Insecticidal soaps	N	N	N	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Good	Poor
taufluvinate, tebuconazole	H	H	N	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Excellent	Poor
parafinic oil or horticultural spray oil	--	--	--	Trunk, branch, and foliage sprays	Spring and late fall for spot treatments, as needed	Nymphs and adults	Good	Poor
Parafinic oil or horticultural spray oil	--	--	--	Dormant oil for egg masses	February-April, before egg hatch	Egg masses	Fair	N/A

This table is based on the experiments we have done to-date and should not be considered final or complete.

*N=nontoxic; L=minimum impact on bees; S = slightly toxic; M=moderately toxic; H=highly toxic.