

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Chemicals for Artemicide**

Chemical	Dosage
(-)-GRANDISIN	--
1-MONOLAURIN	LC50=79 ug/ml
1-MONOMYRISTIN	LC50=53 ug/ml
3,5'-DIALLYL-2'-HYDROXY-4-METHOXYBIPHENYL-ETHER	--
4,4'-DIALLYL-2,3'-DIHYDROXYBIPHENYL	--
4,4'-DIALLYL-2,3'-DIHYDROXYBIPHENYL-ETHER	--
ALPHA-PYRONE	LC50=85-160 ppm
ANNONACIN	LC50=3.3 ppm
ARBUTIN	--
ARIANACIN	LC50=7.1 ug/ml
ASIMICIN	LC50=0.03 ppm
BENZYL-BENZOATE	LC50=2 ppm
BERBERINE-CHLORIDE	LC50=10
BETA-SITOSTEROL	LC50=110 ppm
BUDMUNCHIAMINE-A	LC50=4 ug/ml
BUDMUNCHIAMINE-G	LC50=12.3 ug/ml
BUDMUNCHIAMINE-K	LC50=6.6 ug/ml
BUDMUNCHIAMINES	--
BULLATACIN	LC50=0.00159 ppm
BULLATACINONE	LC50=0.003 ppm
BULLATALICIN	LC50=0.154 ppm
CHERIMOLINE	LC50=1.24 ppm
CIS-ANNONACIN	LC50=2.3 ug/ml
CIS-ANNONACIN-10-ONE	LC50=1.8 ug/ml
CORONARIDINE	LC50=11 ppm
COROSSOLIN	--
COROSSOLONE	--

Chemical	Dosage
CUCURBITACIN-F	LC50=16 ppm
DEOXYPODOPHYLLOTOXIN	150 ppb
DICHAMANETIN	LC50=3 ppm
DIHYDROCHERIMOLINE	LC50=4.02 ppm
GIGANTECIN	LC50=222 ppm
GONIOTHALAMICIN	LC50=37 ppm
GONIOTHALENOL	--
GRANDISIN	--
HEPTADECA-1,9(Z),16-TRIEN-4,6-DIYN-3,8-OL	ED100=100 ppm, ED50=87 ppm
HEPTADECA-1,9(Z),16-TRIEN-4,6-DIYN-3,8-OL	ED50=87 ppm
HIPPOCRATEIN-I	LC50=212 ug/ml
ISOIMPERATORIN	ED50=6->100 ug/ml
ISOSAKURONETIN	LC50=36.1 ppm
LISIANTHOSIDE	LC50=150
MAGNOLOL	--
NARCOTINE	LC50=87
PICEATANNOL	--
PINOCEMBRIN	LC50=12 ppm
POLYCARPOL	LC50=254ppm
PSORALEN	LC50=5.93 ug/ml
RESVERATROL	--
SCIRPUSAN-A	489 ug/ml
SCIRPUSAN-B	389 ug/ml
SQUAMONE	LC50=2.1 ppm
STIGMASTEROL	LC50=110 ppm
SWEROSIDE	34 ug/ml
SYLVATICIN	LC50=26 ppm

Chemical	Dosage
XANTHOTOXIN	LC50=5.93 ug/ml
ZINIOLIDE	14 ppm