

Interiorscapes

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Interiorscapes or interior plantscapes refer to the use of plants indoors to make a pleasing interior landscape. There are special safety concerns when using any pesticide indoors. First, the pesticide label should state that the product can be used in interiorscapes, interior plantscapes or other similar language. There might also be special precautions that need to be followed to safely use a pesticide in an interiorscape. Systemic insecticides are used extensively in interiorscapes since they can be applied directly to the soil or planting media so that the product can be taken up by the roots. This is one of the safest ways to apply insecticides in an interiorscape. The insecticide or miticide, once inside the plant, primarily targets pests that are feeding on the plant. Other insecticides or miticides need to be sprayed on the infested plant parts. Whenever spraying is done, care should be taken to reduce drift to nearby floors, walls, ceilings, furniture or other indoor items. It is often advisable to use sheets or cardboard as a spray shield to reduce drift or place tarps over areas where you do not want pesticides drift to settle. Pesticide applications are best applied after hours when no one other than those applying the pesticide are present. Special care should be taken to fully read the pesticide label and to follow all directions, especially concerning the use of personal protective equipment and other safety issues.

Pest	Insecticide and Formulation
APHIDS	insecticidal soap (Safer Insecticidal Soap, M-Pede) horticultural oil (various brand names) S-kinoprene (Enstar AQ) imidacloprid (Merit 75WP, Marathon II) beta-cyfluthrin (Tempo Ultra WSP) cyfluthrin (Decathlon 20 WP) fluvalinate (Mavrik Aquaflow 22.3F) permethrin (Perm-Up 3.2EC) pymetrozine (Endeavor 50WDG) <i>Beauveria bassiana</i> (BotaniGard ES) thiamethoxam (Meridian 25 WG) abamectin plus bifenazate (Sirocco SC) for suppression only spirotetramat (Kontos 2 SC) pyriproxyfen (Distance Insect Growth Regulator, Fulcrum) - suppression cyantraniliprole (Mainspring GNL)
BROAD MITE	bifenthrin (Onyx Pro 23.4F) abamectin plus bifenazate (Sirocco SC) fenproximate (Akari 5SC) spirotetramat (Kontos 2 SC)

Pest	Insecticide and Formulation
CYCLAMEN MITE	fenproximate (Akari 5SC) abamectin plus bifentazate (Sirocco SC) spirotetramat (Kontos 2 SC)
FUNGUS GNATS *For larval control, apply to soil medium	* <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (Gnatrol) * <i>Steinernema feltiae</i> – Entoneem, NemaSheild, Steinernema-System, Nemasys, entomopathogenic nematodes pyrethrins plus piperonyl butoxide (1600 X-clude A) *acetamiprid (TriStar 8.5 SL) *S-kinoprene (Enstar AQ) permethrin (Perm-Up 3.2EC, Permethrin Pro, Astro) beta-cyfluthrin (Tempo Ultra WSP) cyfluthrin (Decathlon 20 WP) *cyromazine (Citation 75WP) *clothianidin (Arena 0.25 G) *pyriproxyfen (Distance Insect Growth Regulator, Fulcrum) *dinotefuran (Safari 20 SG, Safari G) * azadirachtin (Azatin O, Azatin XL, Ornazin EC, Molt-X, Azatrol EC)
LEAFMINERS	cyromazine (Citation 75WP) permethrin (Astro 36.8EC) clothianidin (Arena 0.25 G) dinotefuran (Safari 20SG, Safari G) – for fly or midge leafminers pyriproxyfen (Distance Insect Growth Regulator, Fulcrum) – for lepidopterous leafminers cyantraniliprole (Mainspring GNL)
MEALYBUGS	insecticidal soap (Safer Insecticidal Soap, M-Pede) horticultural oil (various brand names) S-kinoprene (Enstar AQ) azadirachtin (Safer Bioneem, Azatin XL, Molt-X, Azatrol EC) imidacloprid (Merit 75WP, Marathon II) beta-cyfluthrin (Tempo Ultra WSP) cyfluthrin (Decathlon 20 WP) permethrin (Perm-Up 3.2EC) pyrethrins plus PBO (1600 X-clude A) clothianidin (Arena 0.25 G) thiamethoxam (Meridian 25 WG) spirotetramat (Kontos 2 SC) dinotefuran (Safari 20SG, Safari G) pyriproxyfen (Distance Insect Growth Regulator, Fulcrum) - suppression

Pest	Insecticide and Formulation
SCALE INSECTS	S-kinoprene (Enstar AQ) horticultural oil (various brand names) insecticidal soap (Safer Insecticidal Soap, M-Pede) beta-cyfluthrin (Tempo Ultra WSP) crawler stages cyfluthrin (Decathlon 20 WP) (crawler stages) pyrethrins plus PBO (1600 X-clude A) imidacloprid (Merit 75WP, Marathon II) pyriproxyfen (Distance Insect Growth Regulator, Fulcrum) clothianidin (Arena 0.25 G) for soft scales thiamethoxam (Meridian 25 WG) effective on soft scale dinotefuran (Safari 20SG, Safari G) cyantraniliprole (Mainspring GNL, Mainspring) for soft scales
SHORE FLIES Since they are algae feeders, find the source and control the algae.	pyrethrins plus, PBO (1600 X-clude A) cyromazine (Citation 75WP) fenoxycarb (Precision 25WP) pyriproxyfen (Distance Insect Growth Regulator, Fulcrum)
SPIDER MITES	<i>Beauveria bassiana</i> (BotaniGard ES) Insecticidal soap (Safer Insecticidal Soap, M-Pede) horticultural oil (various brand names) bifentazate (Floramite SC) fenproximate (Akari 5SC) etoxazole (TetraSan 5WDG) Not for residential use. abamectin plus bifentazate (Sirocco SC) acequinocyl (Shuttle 15 SC) fenazaquin (Magus) spirotetramat (Kontos) neem oil / Triact 70 cyflumetofen (Sultan miticide)
THRIPS	S-kinoprene (Enstar AQ) beta-cyfluthrin (Tempo Ultra WSP) cyfluthrin (Decathlon 20 WP) pyrethrins plus PBO (1600 X-clude A) azadirachtin (Safer Bioneem, Azatin XL, Azatin O, Molt-X, Azatrol EC) fluvalinate (Mavrik Aquaflow 22.3F) <i>Beauveria bassiana</i> (BotaniGard ES) abamectin plus bifentazate (Sirocco SC) for suppression only cyantraniliprole (Mainspring GNL, Mainspring) clothianidin (Arena 0.25 G)

Pest	Insecticide and Formulation
WHITEFLIES	S-kinoprene (Enstar AQ) horticultural oil (various brand names) insecticidal soap (Safer Insecticidal Soap, M-Pede) azadirachtin (Safer Bioneem, Azatin XL, Azatin O, Molt-X, Azatrol EC) permethrin (Perm-Up 3.2EC) cyfluthrin (Decathlon 20 WP) beta-cyfluthrin (Tempo Ultra WSP) fluvalinate (Mavrik Aquaflow 22.3F) pyrethrins plus PBO (1600 X-clude Formula 2A) imidacloprid (Merit 75WP, Marathon II) pymetrozine (Endeavor 50WDG) pryiproxyfen (Distance 0.86EC) <i>Beauveria bassiana</i> (BotaniGard ES) clothianidin (Arena 0.25 G) thiamethoxam (Meridian 25 WG) abamectin plus bifenazate (Sirocco SC) for suppression only spirotetramat (Kontos 2 SC) dinotefuran (Safari 20SG, Safari G) fenazaquin (Magus 18.79 SC) pryiproxyfen (Distance Insect Growth Regulator, Fulcrum) cyantraniliprole (Mainspring GNL, Mainspring)
CATERPILLARS	permethrin (Perm-Up 3.2EC) azadirachtin (Azatin XL, Azatin O, Molt-X, Azatrol EC) beta-cyfluthrin (Tempo Ultra WSP) cyfluthrin (Decathlon 20 WP) fluvalinate (Mavrik Aquaflow 22.3F) bifenthrin (Onyx Pro 23.4F) chlorantraniliprole (Acelepryn 1.67 SC) cyantraniliprole (Mainspring GNL, Mainspring)

Precautionary Statement

In order to protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store, or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label. Persons who do not obey the law will be subject to penalties.

Disclaimer Statement

Pesticides recommended in this publication were registered for the prescribed uses when printed. Pesticides registrations are continuously reviewed. Should registration of a recommended pesticide be canceled, it would no longer be recommended by the University of Tennessee. Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others which may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product.

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