



Houseplant Problems

Integrated Pest Management for Home Gardeners and Landscape Professionals

Houseplants are typically grown in enclosed and secure environments that may exclude many pests. Nonetheless, pests sometimes occur on houseplants. Decline in houseplant health is most commonly associated with improper watering (too much or too little water provided), improper fertilization amounts, root diseases, poor sanitation, and adverse environmental conditions, such as low light intensity or low relative humidity. Sometimes, however, houseplant problems may be caused by insect or mite pests. Routinely check your houseplants (Figure 1) and promptly address these problems when detected.

When handling or observing your plants, examine them for signs and symptoms of pests and other types of damage and problems. Table 1 provides a quick guide for diagnosing houseplant problems.

In many instances, solving the problem or treating the pest will be difficult. Once a problem has been detected, it is sometimes not practical to restore a plant's health; it may be too late to solve the problem, and effective management for the pest may not be available. In these cases, it may be better to discard the plant and purchase a new one.



Figure 1. Examining leaves of an African violet houseplant for pests.

WHAT CAUSES HOUSEPLANT PROBLEMS?

Most houseplant problems are caused by improper care and by environmental factors in the home that are unfavorable to optimal plant growth. Understand the growing requirements of each of your houseplants. Problem symptoms are often caused by multiple factors:

- Brown leaf tips or leaf margins are usually caused by overfertilization, salt buildup, or excessively dry or wet soil, but they may also result from too much sun or heat through a window, low relative humidity, or a drafty setting.
- Weak growth or light green to yellow leaves may be due to nutrient deficiency (usually lack of nitrogen), root rot, exposure to too much or too little light, or sap-sucking insects and mites.

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- Leaves with excessively long petioles or stems with excessively long internodes (sometimes called "leggy" growth) are usually caused by inadequate light.
- Yellowing and dropping leaves can be caused by inadequate light, exposure to low temperatures, overwatering, poor soil drainage, or soil-borne insect or disease pests.
- Wilting is usually caused by underwatering or excessive light but may also be due to root decay from soil pathogens, often associated with

overwatering or poor drainage. Inspect root systems whenever wilting occurs.

- A lack of flowers on a houseplant expected to bloom may indicate improper nighttime temperatures (too low or too high) or inadequate light (duration, intensity, or both).
- Soft stem bases usually are indicative of overwatering. Soggy soil can result from overwatering or poor drainage.

MANAGEMENT

The best approach to long term management is to emphasize prevention through pest exclusion, proper sanitation, and cultural practices that create optimal growing conditions and plant health.

Practice pest exclusion by thoroughly examining plants prior to purchasing and introducing them indoors. Do not purchase or bring home plants with possible insect, mite or disease infestations. Carefully examine all parts of the plant, including leaf surfaces, leaf bases, flower and fruit stalks, and roots, looking for evidence of possible insect pests or disease problems. Houseplants can often be removed from their containers so that roots can be examined. Reject plants that show evidence of insect or mite infestations as well as possible disease symptoms, such as discolored stems and roots or leaf spots; these blemishes are not likely to disappear.

Select plants with growing requirements (especially light and temperature needs) that fit the environment found in which they will be grown. Healthy plants are less vulnerable to attack by pests and diseases, and they will recover from these attacks more quickly and successfully.

When first placed in your home, vigilantly monitor new plants weekly for pests and diseases. In many cases, early detection and removal of a pest or disease, when it is still restricted to a single leaf or part of another plant part that can be removed, might be all

that is necessary for eradication and successful management. If no problems are found after several weeks of monitoring, the inspection interval can be extended to once a month.

Periodic thorough washing of leaf surfaces with water can prevent many insect pests from infesting houseplants. Be certain to wash plants when conditions favor quick drying so that foliage does not remain wet for an extended period (prolonged wetness may favor disease development). Where practical, consider periodically rotating indoor plants to protected areas outdoors or into a shadehouse or greenhouse, if available, to rejuvenate them. In such cases, inspect plants closely for pests after returning them indoors and continue to monitor them for a few weeks to assure they are pest-free.

Whenever you detect insect, mite, or disease problems on an established plant in your home or office, isolate the plant immediately to prevent the problem from spreading to other plants. As an additional precaution, wash your hands after touching infested plants.

Make sure you identify the pest or disease correctly in order to choose effective management and control options. In many instances, control of a houseplant pest is impractical or nearly impossible once the pest is established. The best course of action in these situations is to discard the plant and consider starting fresh with a new one.

CONTROLLING INSECT AND MITE PESTS

Some soft-bodied insects and mites can be removed by washing plant leaves and stems with water (Figure 2). Management of other pests may require insecticidal soap, horticultural oil, or other pesticides available as sprays, soil drenches, or soil-applied granules.

If you choose to apply a pesticide, use an insecticide or miticide that is recommended and labeled for use

indoors on your houseplant species and against the pest you have identified. Follow all the label directions and safety precautions. Pesticide use indoors is legally and practically limited. Pesticides, when warranted, should be used according to their label instructions and only when other management strategies have failed or are unavailable. Broad-spectrum, long-residual materials should be avoided.

When applying sprays, wear protective gloves and any other protective equipment that may be required by the product label. Spray stems, leaves, and leaf undersides thoroughly. If possible, spray the plant outdoors so that the spray residue will be dispersed outside, and you will not have to worry about damaging furniture surfaces or exposing others to pesticides. Consider using a soap or horticultural oil, if labeled for your plant pest, before using other types of insecticides or miticides. Alternatively, consider using a systemic pesticide that can be applied to the soil, thus avoiding foliar sprays. Soil drenches or applications of insecticide granules may control soilborne insects; the potting medium should be well watered before applying a drench or after applying granules. Be certain to follow safety guidelines on the product's label.

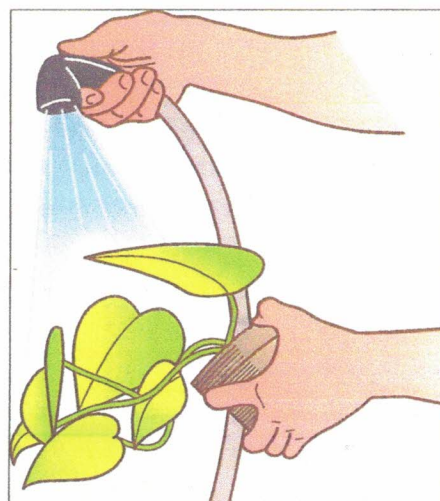


Figure 2. Use soapy or plain water spray to control insect and mite pests.

Table 1. Guide for Diagnosing Houseplant Problems.

Symptom	Possible causes
Brown or scorched leaf tips	Poor health from overwatering, excessive soil dryness (especially between waterings), excessive fertilizer or other soluble salts in the soil or water Specific nutrient toxicities (e.g., fluoride, copper, or boron) Low humidity Pesticide or mechanical injury
Leaf spots, blotches, blemishes, blisters, or scabby spots	Excess light (sunburn) associated with a recent move of the plant Chilling injury (below 50°F) Chemical spray injury Overwatering Fungal or bacterial infections (rare unless plants have recently come from outdoors or greenhouses)
Foliage yellow-green on older leaves	Insufficient fertilizer, especially nitrogen Poor root health from pot-bound growth, compacted soil, poor drainage, overwatering Insufficient light Injury from sap-sucking pests such as whiteflies, soft scale insects, or spider mites
Foliage yellow-green on newer leaves	Overwatering, soil pH imbalance Micronutrient deficiency
Foliage yellow-green generally throughout plant	Excess light, overwatering, underwatering Insufficient fertilization High temperatures, especially when associated with dryness Insect infestation Poor root health from overwatering, excessive dryness, root disease
Leaf drop; sudden wilting of foliage	Poor root health from overwatering, excessive dryness, root disease, excessive fertilizer, or other soluble salts in the soil or water Compacted soil or pot-bound roots Sudden change in light, temperature, or relative humidity Toxic chemical poured into soil
Roots brown, soft or rotted; associated with one or more of the symptoms noted above	Poor root health from overwatering, excessive dryness, root disease, excessive fertilizer, or other soluble salts in the soil Compacted soil or poorly drained container
Yellowed leaves with tiny speckling; leaves later bronzed and drying; webbing may be noted near growing points	Spider mite infestation
Leaves covered with a sticky substance; sooty mold growing on leaves; small brown, white, or greenish objects seen on leaves or in crotches of branches; leaf drop or branch dieback; leaf or growing point distortion, ants may be present	Scale, mealybug, or aphid infestation

Source: Adapted from Powell and Lindquist 1983, p. 5

Although not usually practical for a few plants in a home or individual office, biological control practices that employ beneficial insects and nematodes which prey on or parasitize pests have been successful in some large-scale interiorscape plantings. This approach may be a part of an integrated pest management (IPM) program targeting specific pests, such as mealybugs, spider mites, scales, fungus gnats, and aphids.

Management of the most common insect pests of houseplants is discussed below. In addition to these common pests, consider ants as occasional pests in houseplants, especially those periodically rotated outdoors. Ant control is especially critical in managing sap-sucking insects like aphids, mealybugs, and scales. These pests excrete sugary honeydew upon which ants feed. Ants “farm” these pests, moving them around to new plants and protecting them from their natural enemies. If ants are found in potted plants, remove the containers from the building and discard them.

Aphids (Figure 3) are small insects found on new growth or on the underside of leaves. They suck plant juices and excrete a shiny, sticky sap, called “honeydew,” that can attract ants and encourage growth of sooty mold. Aphid infestations are often evident by the white cast skins that are left behind when aphids molt. Aphids can attack many different houseplant species, sometimes causing leaves to curl and become distorted.

To control aphids, wash them off plants with a spray of water, practice sanitation (remove, bag, and dispose of infested plant parts), and apply insecticidal soap or horticultural oil (consult product label to ensure your plant species tolerates these materials). As a last resort, consider judicious use of a systemic soil-applied insecticide or a foliar-applied insecticide labeled for use on the plant species.

For general information about aphids and aphid management, see the UC IPM *Pest Notes: Aphids*.



Figure 3. Green peach aphids, *Myzus persicae*, and cast skins on gardenia leaves.

Fungus gnats become nuisances indoors when the adult mosquitolike flies emerge from the soil of houseplants, flying around indoors. This is especially common with newly purchased or transplanted houseplants. Several fungus gnat species live outdoors in California, so houseplants can become infested when grown outside temporarily, and adult fungus gnats can easily enter homes through open windows and doors. These flies are harmless to humans, but an infestation can damage plants due to feeding on roots by fungus gnat larvae.

Adult fungus gnats are dark, delicate-looking insects, similar in appearance to mosquitoes, but usually much smaller. They are relatively weak fliers, but the adults can be considerable nuisance pests indoors when flying near people, food, or light sources. These flies generally live near potted plants and can often be observed running or resting on growing media, foliage, or plant debris. They also may leave tiny black fecal deposits on plants and surrounding areas; these may be conspicuous and unsightly on white or light-colored surfaces. Adults are attracted to lights and may be first noticed near windows, indoor lighting, or around lit electronics (such as smartphones) at night.

Adult fungus gnats are about 1/10 to 1/8-inch long, gray to black, and slender, with long, delicate legs and one pair of clear wings. Fungus gnats infest moist organic soil and container media, where their larvae feed on organic matter and roots.

Females lay tiny eggs in moist organic debris or potting soil. Larvae have a shiny black head and an elongate, whitish to clear, legless body. The life cycle takes about a month under typical indoor temperatures, and reproduction can be year-round in most homes. Adults live about 7 to 10 days.

Fungus gnat larvae feed on roots, and if populations are very high, they can stunt plant growth in African violets, carnations, cyclamens, geraniums, poinsettias, and many foliage plants. Symptoms of infestation include sudden wilting, loss of vigor, poor growth, off-colored plants, and foliage loss. In addition to larvae chewing on roots, both larvae and adults can spread plant pathogens and may promote disease.

Management of fungus gnats should focus on prevention of infestations and cultural control methods. Inspect plants carefully for signs of insect infestation before purchasing them and inspect houseplants that you have left outdoors during warm weather before bringing them back into the house. Use screens on windows and patio doors to prevent adult gnats from entering your home from outside. Always use sterile potting soil when transplanting and repotting plants. Overwatering and poor drainage may promote fungus gnat population growth. Eliminate standing water and allow soil to dry as much as possible between watering. Practice good sanitation by removing old plant material and debris in and around pots.

Use of yellow sticky traps in and around houseplants can sometimes reduce fungus gnat populations by trapping adults. Biological control of fungus gnat larvae using repeated applications of bioinsecticides containing the bacterium *Bacillus thuringiensis* subspecies *israelensis* (Bti) (available as Gnatrol or other products) can provide control in many cases.

Although other insecticides may be labeled for use against adults and larvae, these products are rarely warranted to control these pests in homes.



Figure 4. Obscure mealybugs, *Pseudococcus viburni*.

For more information see UC IPM *Pest Notes: Fungus Gnats*.

Mealybugs are small, oval, whitish sap-sucking insects that cover houseplants with a cottony, powdery, or waxy material, often along the veins of leaves or where leafstalks join stems (Figure 4). Typical symptoms of mealybug infestations are stunted plant growth, yellowing, and leaf wilting. Mealybugs, like aphids, excrete honeydew, attract ants, and can be controlled using similar strategies. Mealybugs are common pests of orchids, palms, and succulents and may infest plant roots as well as shoots and leaves. Check carefully for mealybugs in tight crevices on the plant, such as behind or inside leaf bases, within leaflet folds, or in flower or fruit clusters.

To control mealybugs, scrape or wash them off plants with a spray of water, dispose of infested plant parts, and consider judicious use of horticultural oil or insecticidal soap labeled for use on your plant species.

In your own home, small infestations on houseplants can sometimes be controlled with 70% (or less concentrated) isopropyl (rubbing) alcohol applied directly on the mealybugs with a cotton swab. Test the alcohol

solution on a small part of the plant one to two days beforehand to make sure it does not cause damage to the plant. Take care when using rubbing alcohol since it is flammable. Isopropyl alcohol is not a registered pesticide and cannot be used by licensed professionals.

Control of mealybugs may be very difficult. If the infestation is heavy or does not respond to treatments, then the best solution may be to dispose of the plant before more plants become infested.

For more information see UC IPM *Pest Notes: Mealybugs*.

Mites. Several mite species can attack indoor plants, often causing severe injury. The low humidity typically found in most indoor situations favors mite development. Also, dusty conditions, which often occur indoors, favor mite activity.

The most common pest mite species is the two-spotted spider mite. Spider mites have a wide host range, and very few indoor plants are immune to their attack. Adult spider mites are tiny (about 0.02 inch long (0.5mm)) and are usually found on the underside of leaves. A 10X hand lens is useful in identifying these pests. Feeding injury usually appears as light-colored spots or specks, called “stipples” or “stippling” damage, on leaves. Silk webbing may also be produced (Figure 5). Severe spider mite infestations cause leaves to dry and fall from the plants. At 75°F, mites develop from egg to adult in about two weeks.

Other mites, including the broad mite and cyclamen mite, can cause problems, as well. These mites are very tiny (0.0008 inch long (0.02mm)) and nearly impossible to see without a microscope. Infestations are recognized by plant injury symptoms rather than by seeing the mites themselves. Usually, feeding injury is evident on new growth and is characterized by thickened and brittle foliage, with stunted and downward-cupped leaf margins. Some of these symptoms



Figure 5. Spider mites and webbing, *Tetranychus* species.

are also characteristic of plant injury caused by chemicals, so infestations may be misidentified.

To control mites, frequently wash leaf surfaces with water, reduce dust, dispose of infested plant parts, and, as a last resort, apply horticultural oil or insecticidal soap labeled for use on your plant species. If a mite infestation persists or becomes worse, it may be best to discard the infested plant to prevent spread to other plants.

For more information see UC IPM *Pest Notes: Spider Mites*.

Scale Insects. Scales are small, brown or grayish, mostly stationary insects that have a waxy shell-like body or a hard protective covering. Most common on houseplants are soft scale species, such as the brown soft scale (Figure 6). Soft scales suck plant juices and excrete honeydew, initially giving leaves a shiny, sticky surface but later stunting plant growth and discoloring leaves. Scale insects can be difficult to detect on fern fronds because they resemble spore clusters. Check carefully for scales in tight crevices on the plant, such as behind or inside leaf bases, leaflet folds, or in flower or fruit clusters.

To control scales, scrape them off plants, wash crawling juvenile stages off plants with water, dispose of infested plant parts, and consider applying horticultural oil or insecticidal soap labeled for use on your plant species. These materials are most effective when scales are in the small immature



Figure 6. Brown soft scale, *Coccus hesperidum*.

nymph stage. Soil application of a systemic insecticide, as a drench or granules, is effective against some soft scale species.

For more information see UC IPM *Pest Notes: Scales*.

Thrips are small (less than 1/8 inch long (3mm)), slender insects that may feed on plant leaves and flowers, resulting in scarring and, sometimes, distorted growth. Adults have narrow, fringed wings. They are typically found on the undersides of leaves and within tight crevices on the plant. Thrips may cause stippling damage, similar to that caused by mites, but they also may deposit shiny black dots of excrement. Infested leaves often yellow and drop. Heavy thrips infestations on some plant species result in leaves that have silvery-gray damaged areas.

To control thrips, wash them off with water, dispose of infested plant parts, and consider using horticultural oil or insecticidal soap.

For general information about thrips see UC IPM *Pest Notes: Thrips*.

Whiteflies. Both adult and juvenile whiteflies (Figure 7) attack houseplants. The largely immobile juveniles attach to the underside of leaves, suck plant juices, and excrete honeydew. The adults are small, white to yellowish winged insects that may be seen flying around infested plants. Whiteflies commonly infest poinsettias and many other plants, causing leaves to yellow and drop.



Figure 7. Adult silverleaf whiteflies, *Bemisia argentifolii*.

Use of yellow sticky traps in individual pots can sometimes reduce whitefly populations by trapping adults. To control whiteflies, wash eggs and crawling juveniles off plants with water, dispose of infested plant parts, and consider making repeated applications of a horticultural oil or insecticidal soap product. If a whitefly infestation becomes large it may be best to discard the plant.

For general information about whiteflies see UC IPM *Pest Notes: Whiteflies*.

CONTROLLING HOUSEPLANT DISEASES

Disease only occasionally plays an important role in the indoor life of a houseplant, provided it was healthy when purchased or obtained. Foliar leaf spots and blights that occur on outdoor plants will not usually be problems in the home or office because of lower humidity and lack of splashing water. Diseases of houseplants can be caused by various pathogens, including fungi, oomycetes, bacteria, viruses, and abiotic factors.

Recognizing diseases on plants is sometimes more difficult than recognizing insect or mite pests because pathogens cannot usually be viewed directly. Therefore, frequent inspection and monitoring of plants for disease symptoms are important to identify and manage problems before serious damage occurs.

Root rots, though sometimes diagnosed by direct observation of the

root system, are frequently characterized by wilting or discoloration of above-ground plant parts. Off-color (brownish to blackish, or dark yellowish) roots, especially at the root tips, often indicate that root rot is present. Healthy roots should be white, entirely so or at least under their outer covering.

Powdery mildews. Fungi that cause powdery mildew (Figure 8) are host-specific, meaning they will only attack certain plant species or groups of related plants. Powdery mildew occurs often on grape ivy, kalanchoe, begonias, and pileas. The white to gray growth appearing on leaves, flowers, and stems is the fungus and its spores growing on the surface of the tissue. Powdery mildew usually will not kill a plant. The unsightly fungal growth and eventual defoliation that may occur greatly reduce the appearance and overall aesthetic quality of the plant, however.

Fortunately, environmental control of powdery mildew can sometimes be achieved by reducing humidity, accomplished by watering early in the day, moving plants into brighter light, and moving plants away from cold drafts near windows or doors.

Gray mold, or *Botrytis* blight, is caused by *Botrytis* spp (Figure 9). These fungi have a wide host range and primarily infect spent flowers and older foliage on houseplants. Infected tissues appear as grayish or tan areas bearing dusty gray spores. Gray mold only infects plants and produces spores if relative humidity remains high for several hours. Infections are usually not serious unless temperatures remain cool and leaves or flowers remain wet for long periods.

Botrytis blight can be managed by increasing air circulation, reducing humidity around plants, avoiding splashing water onto foliage and flowers, and removing spent or infected flowers and foliage. Water early in the day so that plant surfaces dry as quickly as possible.

Fungal leaf spots and blights. Fungi that cause leaf spots and blights are generally spread by splashing water containing their spores. Most notable among these fungi are *Cercospora*, *Colletotrichum*, *Curvularia*, *Fusarium*, *Coniothyrium*, *Helminthosporium*, *Leptosphaeria*, and *Alternaria* spp. Symptoms often include tan to reddish brown to black roughly circular spots or lesions that may run together to cause large irregular shaped lesions or blighting of the entire leaf.

Many of these fungi require hours of continuous leaf wetness for infection to occur. Therefore, these diseases can usually be prevented by avoiding splashing water onto foliage and by watering early in the day so that plant surfaces dry as quickly as possible. Remove and discard infected leaves or other plant parts as soon as disease symptoms are observed.

Water mold root rots. *Pythium* and *Phytophthora* species are often called “water molds” because they have a swimming spore stage that is adapted to spread within water. They are not fungi. These organisms attack a wide variety of plants, causing root rots, stem rots, and “damping off” of seedlings and cuttings. Many times, these pests will not totally kill plants but will instead partially kill the root system, resulting in poor growth, yellowing, and stunting.

Root rot is often associated with poor drainage and overwatering. Drainage can become poor as potting media ages, settles, loses aeration and porosity, and becomes compacted in the bottom of containers.

Prevention of root rot requires good soil aeration and drainage as well as appropriate watering frequency. Root rot may sometimes be associated with high salt levels, so ensure proper water quality and periodic leaching of container soil to avoid problems.

Systemic bacterial diseases. Many bacterial pathogens found on indoor plants can invade the vascular tissues of the plant and spread throughout



Figure 8. Powdery mildew, *Erysiphe euphorbiae*, growth on tree poinsettia leaves.

its system. If conditions are favorable, these pathogens may begin to multiply in various areas of the infected plants and cause stem rots, leaf blights, wilts, and even root rots. These systemic bacterial diseases can cause wilting and general yellowing of plants. Systemic diseases may occasionally cause rotting or cankering of the stem tissue. The cankers or rots will be soft and mushy in appearance and may have an unpleasant odor.

Commonly encountered systemic bacterial diseases include soft stem rot of *Aglaonema*, *Dracaena*, *Kalanchoe*, and *Syngonium* spp. and bacterial stem rot, leaf spot, and wilt of *Aglaonema*, *Dieffenbachia*, *Philodendron*, and *Syngonium* spp.

Control strategies for these bacterial diseases are very limited, and discarding infected plants is often the best approach. Pesticide sprays are not effective because the pathogens are distributed throughout the plant, deep within all its tissues. Common systemic bacterial diseases can be prevented through a combination of sparse watering and low fertilization. The disease organisms are most active under warm, damp conditions, on soft tissues, and in heavily fertilized plants. These bacteria do not usually proliferate under typical indoor temperatures and humidity. Prevent bacterial infections by avoiding splashing water, contaminated hands, and pruning tools.

Localized Bacterial Diseases and Bacterial Leaf Spots. Localized bacterial diseases sometimes appear



Figure 9. Decay and spores of *Botrytis cinerea* fungus infecting impatiens leaves.

as oily, greasy, or water-soaked spots on leaves. These are often visible when viewing from the underside of the leaf. Species of *Pseudomonas* and *Xanthomonas* bacteria cause leaf spots or leaf blights on many plants growing indoors. Common hosts of *Xanthomonas* spp. are *Dieffenbachia* spp., *Philodendron scandens* ssp. *oxycardium*, *Hedera helix*, and *Pilea* and *Pellionia* spp. *Pseudomonas* spp. are found on *Aglaonema*, *Dracaena*, *Monstera*, and *Epipremnum* species. These diseases are characterized by dark green, water-soaked spots that may turn tan, dark brown, or black with a yellow border. The spots can enlarge until the entire leaf blade is affected. Sometimes these lesions spread into the petioles and stems and may appear like the systemic bacterial diseases previously mentioned.

Management of these diseases generally involves lowering humidity, keeping plant surfaces dry, and prompt removal of infested plant parts. Clean hands with soap and water and disinfect pruning tools in 70% alcohol after such removal actions.



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WARNING ON THE USE OF PESTICIDES

Pesticides are poisonous. Some pesticides are more toxic than others and present higher risks to people, nontarget organisms, and the environment. A pesticide is any material (natural, organic, or synthetic) used to control, prevent, kill, suppress, or repel pests. "Pesticide" is a broad term that includes insecticides, herbicides (weed or plant killers), fungicides, rodenticides, miticides (mite control), molluscicides (for snails and slugs), and other materials like growth regulators or antimicrobial products such as bleach and sanitary wipes that kill bacteria.

Always read and carefully follow all precautions and directions provided on the container label. The label is the law and failure to follow label instructions is an illegal use of the pesticide. Store all chemicals in the original labeled containers in a locked cabinet or shed, away from food or feeds, and out of the reach of children, unauthorized persons, and animals. Never place pesticides in food or drink containers. Consult the pesticide label to determine active ingredients, correct locations for use, signal words, and personal protective equipment you should wear to protect yourself from exposure when applying the material.

Pesticides applied in your garden and landscape can move through water or with soil away from where they were applied, resulting in contamination of creeks, lakes, rivers, and the ocean. Confine pesticides to the property being treated and never allow them to get into drains or creeks. Avoid getting pesticide onto neighboring properties (called drift), especially onto gardens containing fruits or vegetables ready to be picked.

Do not place containers with pesticide in the trash or pour pesticides down the sink, toilet, or outside drains. Either use all the pesticide according to the label until the container is empty or take unwanted pesticides to your local Household Hazardous Waste Collection site. Contact your county agricultural commissioner for additional information on safe container disposal and for the location of the Hazardous Waste Collection site nearest you. Follow label directions for disposal of empty containers. Never reuse or burn the containers or dispose of them in such a manner that they may contaminate water supplies or natural waterways.

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Easiest Plants

Common Name	Botanical Name
• Chinese Evergreen	Aglaonema
• Zebra Plant/ ZZ plant	Zamioculcas
• Cast Iron Plant	Aspidistra
• Spider Plant	Chlorophytum
• Pothos	Epipremnum
• Philodendron/Swiss Cheese Plant	Philodendron/Monstera
• Anthurium	Anthurium
• Peace Lily	Spathiphyllum
• Dumb Cane	Dieffenbachia
• Palm	Several varieties
• Mother in Law's Tongue	Sansevieria
• Rubber Tree	Ficus elastica 'Rubra'
• Christmas Cactus/Easter Cactus	Schlumbergia

Questions? Contact Us

- ON THE WEB:
 - www.mastergardenerssandiego.org
- Email your Questions and photos to:
 - help@mastergardenersd.org
- Or leave us a message at
 - 1-858-822-6910



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