# INSECT CONTROL FOR HOME FLOWERS, SHRUBS, AND GROUND COVERS

Will Hudson, Extension Entomologist

NOTE: There is increasing concern about the health of pollinators, including honeybees and other bees, butter-flies, and moths. Flowering plants in urban and suburban landscapes are an important source of nectar and pollen for these beneficial insects. Insecticide use in the home environment can cause significant harm to pollinators incidental to efforts at controlling pests. Be careful when using any insecticides around blooming plants, including trees and weeds. Broad-spectrum contact insecticides (pyrethroids, Sevin, acephate, etc.) applied as a liquid spray will kill most insects on contact. While

less deadly once dry, unless treated leaves are eaten by the insects (foliage feeding caterpillars, for instance), there are still residues that can be picked up by foraging bees and taken back to the colony. Never spray blooming plants while bees are actively foraging. Late afternoon or evening application reduces the risks. Directly spraying the blossoms should also be avoided at all times. Avoid applying neonicotinyl insecticides (imidacloprid, dinotefuran) to blooming plants, as these systemic materials can be transferred to the nectar and pollen under some circumstances.

INSECTS	INSECTICIDE	AMT/GAL OF WATER	REMARKS AND PRECAUTIONS
Aphids	acephate 75S Orthrene, etc.	2 tsp	See note below.
	dinotefuran Safari		Per label directions. Take note of pollinator protection restrictions.
	horticultural oils	1-2 oz	Per label directions.
	imidacloprid 1.47% BioAdvanced, others		Read label carefully. Take note of pollinator protection restrictions.
	insecticidal soap		Per label directions
	pyrethrins		
	pyrethrum		
Azalea leaf miner	acephate Orthene TTO	1 tsp	Per label directions.
	dinotefuran		Per label directions. Take note of pollinator protection restrictions.
	<i>imidacloprid</i> 1.47% BioAdvanced, others		Per label directions. Take note of pollinator protection restrictions.
Bagworm	Bacillus thuringiensis Biotrol WP, Thuricide, Sok-Bt	2 tsp	Per label directions.
	dinotefuran Safari by Green Light		In winter, hand-pick and burn if only a few bagworms are present.
	malathion 57EC		
	various pyrethroids		See note below.
Borers (various kinds)	dinotefuran Safari by Green Light		Per label directions. Take note of pollinator protection restrictions.
	imidacloprid BioAdvanced, others		Imidacloprid and dinotefuran are effective against flat-headed borers and some clear-winged moths.
	permethrin	Per Label	Apply to trunk and lower limbs in spring as per label directions.

NOTE: A number of pyrethroid materials are available in a variety of home formulations for use as broad-spectrum contact insecticides. Common names include bifenthrin, cyfluthrin, cypermethrin, deltamethrin, lambda-cyhalothin, permethrin, and tralomethrin. Active ingredients are listed on the label.

Most of the materials listed in the Commercial Landscape Insect Control section of this handbook are not Restricted Use Pesticides and are available for home use. They are not marketed for homes in small quantities at retail garden centers, but they could provide options for some homes. Consult your county Extension agent for advice on alternatives.

## ■ INSECT CONTROL FOR HOME FLOWERS, SHRUBS, AND GROUND COVERS

INSECTS	INSECTICIDE	AMT/GAL OF WATER	REMARKS AND PRECAUTIONS
Boxwood leaf miner	acephate 75S Orthene, etc.	2 tsp	
	dinotefuran Safari by Green Light		Per label directions.
	imidacloprid 1.47% BioAdvanced, others		Per label directions. Take note of pollinator protection restrictions.
Caterpillars (Misc. leaf	Bacillus thuringiensis Biotrol WP, Thuricide, Sok-Bt		Per label directions.
feeders)	carbaryl Sevin, many other names	See label	Many different formulations available.
	various pyrethroids		See note below.
	spinosad Conserve, other brands	1 tsp	Some organic certified products are available.
Holly leaf miner	<i>imidacloprid</i> Many brands		Spray in late spring to kill larvae in mines. Per label directions.
Japanese beetle (adults)	carbaryl Sevin, many other names	See label	Many different formulations available.
	dinotefuran		Per label directions. Take note of pollinator protection restrictions.
	<i>imidacloprid</i> Many brands		Per label directions. Take note of pollinator protection restrictions.
Lace bugs	acephate Orthene, etc.	1 tsp	Apply in early spring when nymphs of first generation are present.
	dinotefuran		Per label directions. Take note of pollinator protection restrictions.
	<i>imidacloprid</i> Many brands		Per label directions.
Scale Insects	carbaryl Sevin, many other names	See label	Many different formulations available.
	dinotefuran	1-2 oz	Per label directions.
	horticultural oils	2 tsp	Per label directions.
	<i>imidacloprid</i> Many brands		Per label directions.
	insecticidal soap		
	malathion 57EC		Apply in spring to control crawlers. Make applications at 2-week intervals.
Spider mites	bifenthrin		
	horticultural oils		
	imidacloprid Many brands	1-2 oz	Per label directions.
	insecticidal soap		
Slugs and snails	iron phosphate Slug-Go		Follow label directions.
	mesurol 2B		
	metaldehyde		Follow label directions.

NOTE: A number of pyrethroid materials are available in a variety of home formulations for use as broad-spectrum contact insecticides. Common names include bifenthrin, cyfluthrin, cypermethrin, deltamethrin, lambda-cyhalothin, permethrin, and tralomethrin. Active ingredients are listed on the label.

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#### INSECT CONTROL FOR HOME FLOWERS, SHRUBS, AND GROUND COVERS

INSECTS	INSECTICIDE	AMT/GAL OF WATER	REMARKS AND PRECAUTIONS
Thrips	carbaryl Sevin, many other names	See label	Many different formulations available.
	malathion 57EC		
	spinosad Conserve, other brands	1 tsp	Some organic certified products are available.
	various pyrethroids		
Whitefly	bifenthrin		
	dinotefuran		Per label directions.
	imidacloprid Many brands		Per label directions.
	insecticidal soap		
	pyrethrins		Per label directions.
	pyrethrums		Per label directions.

NOTE: A number of pyrethroid materials are available in a variety of home formulations for use as broad-spectrum contact insecticides. Common names include bifenthrin, cyfluthrin, cypermethrin, deltamethrin, lambda-cyhalothin, permethrin, and tralomethrin. Active ingredients are listed on the label.

Most of the materials listed in the Commercial Landscape Insect Control section of this handbook are not Restricted Use Pesticides and are available for home use. They are not marketed for homes in small quantities at retail garden centers, but they could provide options for some homes. Consult your county Extension agent for advice on alternatives.

NOTE: There is increasing concern about the health of pollinators, including honeybees and other bees, butterflies, and moths. Flowering plants in urban and suburban landscapes are an important source of nectar and pollen for these beneficial insects. Insecticide use in the home environment can cause significant harm to pollinators incidental to efforts at controlling pests. Be careful when using any insecticides around blooming plants, including trees and weeds. Broad-spectrum contact insecticides (pyrethroids, Sevin, acephate, etc.) applied as a liquid spray will kill most insects on contact. While

less deadly once dry, unless they are eaten by the insects (foliage feeding caterpillars, for instance), there are still residues that can be picked up by foraging bees and taken back to the colony. Never spray blooming plants while bees are actively foraging. Late afternoon or evening application reduces the risks. Directly spraying the blossoms should also be avoided at all times. Avoid applying neonicotinyl insecticides (imidacloprid, dinotefuran) to blooming plants, as these systemic materials can be transferred to the nectar and pollen under some circumstances.

INSECTICIDE	RATE	соммент
bifenthrin Ortho Houseplant and Garden Insect Killer	As Directed	mealybugs, mites, whitefly, aphids, most chewing pests.
<i>cyfluthrin</i> BioAdvanced Home Pest Control	As Directed	gnats, centipedes, earwigs, scorpions. Follow label directions.
horticultural oil Plant Spray Oil (aerosol) Sunspray Ultrafine, Saf-T-Side	1–2%	scale, whitefly and mites. Coverage is important, spray must contact pest to be effective.
imidacloprid + fertilizer BioAdvanced Garden 2-in-1 Plant Spikes	As Directed	aphids, mealybugs, whitefly.
insecticidal soap M-Pede	1-2%	aphids, mealybugs, scale, thrips, mites, whitefly. Coverage is important, spray must contact pest to be effective.
pyrethrum Pyrethrum (aerosol)	As Directed	aphids, mealybugs, thrips, whitefly.
resmethrin Resmethrin (aerosol)	As Directed	aphids and whitefly.
tralomethrin	As Directed	mites.

# HERBACEOUS ORNAMENTALS: HOME OUTDOOR INSECT CONTROL

NOTE: There is increasing concern about the health of pollinators, including honeybees and other bees, butter-flies, and moths. Flowering plants in urban and suburban landscapes are an important source of nectar and pollen for these beneficial insects. Insecticide use in the home environment can cause significant harm to pollinators incidental to efforts at controlling pests. Be careful when using any insecticides around blooming plants, including trees and weeds. Broad-spectrum contact insecticides (pyrethroids, Sevin, acephate, etc.) applied as a liquid spray will kill most insects on contact. While

less deadly once dry, unless they are eaten by the insects (foliage feeding caterpillars, for instance), there are still residues that can be picked up by foraging bees and taken back to the colony. Never spray blooming plants while bees are actively foraging. Late afternoon or evening application reduces the risks. Directly spraying the blossoms should also be avoided at all times. Avoid applying neonicotinyl insecticides (imidacloprid, dinotefuran) to blooming plants, as these systemic materials can be transferred to the nectar and pollen under some circumstances.

PEST	INSECTICIDE	AMOUNT FORMULATION PER GALLON SPRAY	REMARKS AND PRECAUTIONS		
Aphids	acephate		Follow label directions.		
	horticultural oils	1-2%	Follow label directions.		
	imidacloprid		Follow label directions.		
	insecticidal soap	1–2%	Thorough coverage necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5–7 day intervals.		
	various pyrethroids	Ready-to-use and concentrate	Follow label directions. See note below.		
	pyrethrum		Follow label directions.		
Beetles (foliage feeding such as	carbaryl 50WP Sevin, many others	2 Tbsp	Apply to foliage when injury first noted.		
Japanese beetle, Elm leaf beetle)	imidacloprid		Many brands and formulations available. Follow label.		
Caterpillars	acephate		Follow label directions.		
such as Armyworms, Cutworms,	Bacillus thuringiensis Dipel, Thuricide		Follow manufacturer's suggestions.		
Loopers	carbaryl Sevin, many other names	See label	Many different formulations available.		
	pyrethroids	Ready to use and concentrate	Follow label directions. See note below.		
	spinosad Conserve, other brands	1 tsp	Some organic certified products are available		
Mealybugs	acephate		Follow label directions.		
	horticultural oils	1-2%	Coverage important, spray must contact pest.		
	imidacloprid		Follow label directions.		
	insecticidal soap	1–2%	Thorough coverage necessary. Spray must contact pest to b effective. Repeat spray 3 times at 5–7 day intervals.		
	pyrethroids	Ready to use and concentrate	Follow label directions.		
Plant bugs	acephate		Follow label directions.		
Leafhopper	carbaryl Sevin, many other names	See label	Many different formulations available.		
	insecticidal soap	1–2%	Thorough coverage necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5–7 day intervals.		
	pyrethroids	Ready to use and concentrate	Follow label directions.		

Numerous products containing insecticide are available to homes. Products containing the same insecticide may vary in the concentration of the active ingredient. Always consult the product label for information on rate of application. Pyrethroids are a class of chemicals that are excellent contact insecticides. The active ingredients in this class end in *-thrin* (*permethrin*, *bifenthrin*, *cyfluthrin*, etc.) Many brands are available with these active ingredients.

## INSECT CONTROL FOR HOME FLOWERS, SHRUBS, AND GROUND COVERS

PEST	INSECTICIDE	AMOUNT FORMULATION PER GALLON SPRAY	REMARKS AND PRECAUTIONS
Scale Insects	acephate		Follow label directions.
	dinotefuran		Best choice for armored scales. Per label directions. Take note of pollinator protection restrictions.
	horticultural oils	1-2%	Follow label directions.
	<i>imidacloprid</i> Many brands		Follow label directions. Good for soft scales. Take note of pollinator protection restrictions.
	insecticidal soap	1-2%	
	malathion		Follow label directions.
	pyrethroids	Ready-to-use and concentrate	Follow label directions.
Slugs and Snails	iron phosphate		Follow label directions. Crawlers only.
	mesurol 2B	1 lb/100 sq ft	Follow label directions.
	methaldehyde		Attention should be given to moist areas or water leaks. Do not use in home gardens.
Sowbugs and Pillbugs	carbaryl Sevin, many other names	See label	Many different formulations available. Clean up breeding and hiding places, i.e., treat any mulched area of ornamental shrubbery.
Spider mites	bifenthrin 0.012%	Ready to use	Follow label directions.
	horticultural oils	1-2%	
	insecticidal soap	1–2%	Coverage is important, spray must contact pest to be effective.
Stalk borer	carbaryl Sevin, many other names	See label	Many different formulations available. Treat as often as needed beginning when first damage noted. Do not allow ragweed to grow near flower beds.
Thrips	acephate		Follow label directions.
	<i>imidacloprid</i> Many brands		Follow label directions. Take note of pollinator protection restrictions.
	insecticidal soap	1–2%	Thorough coverage necessary, spray must contact pest to be effective. Repeat spray 3 times at 5–7 day intervals.
	spinosad Conserve, other brands	1 tsp	Some organic certified products are available.
	various pyrethroids		See note below.
Whitefly	acephate		Follow label directions.
	dinotefuran Safari		Per label directions. Take note of pollinator protection restrictions.
	horticultural oils		
	imidacloprid Many brands		Follow label directions. Take note of pollinator protection restrictions.
	insecticidal soap	1-2%	
	pyrethroids	Ready to use and concentrate	Follow label directions. See note below.

Numerous products containing insecticide are available to homes. Products containing the same insecticide may vary in the concentration of the active ingredient. Always consult the product label for information on rate of application. Pyrethroids are a class of chemicals that are excellent contact insecticides. The active ingredients in this class end in *-thrin* (permethrin, bifenthrin, cyfluthrin, etc.) Many brands are available with these active ingredients.

# WEED CONTROL FOR HOMEOWNERS: ANNUAL FLOWERS AND PERENNIALS

Mark A. Czarnota, Extension Horticulturist—Weed Science

HERBICIDE	FORMULATION	AMOUNT OF FORMULATION/ GAL PER 1000 SQ FT	REINTRY INTERVAL (REI) IN HOURS	REMARKS AND PRECAUTIONS					
			HERBACEC	DUS FLOWERS					
	PRE-EMERGENCE 1,2,3,4								
benefin + oryzalin Amaze 2G	2% granular	4.6–6.9 lb	24 H	Can be applied over-the-top of several established bedding plants (see label). Provides broad-spectrum control of many broad leaf and annual grass weeds.					
dimethenamid-P + pendimethalin Freehand 1.75 G	1.75% granular	1.75–3.5 lb	12 H	Controls a wide range of annual grasses and broadleaf weeds in established annual and perennial ornamentals (see plant label). DO NOT apply to newly planted ornamentals until plants have been watered, the soil has firmly settled, and no cracks are present. Some commonly planted herbaceous ornamentals on the Snapshot label include Begonia, Rudbeckia, Impatiens, and others. Apply one-half inch of irrigation water, if rainfall is not received within 3 days of application.					
dithiopyr Preen for Southern Gardens	0.27 granular	4.5 lb	12 H	Can be applied around many annual and perennial ornamentals (see plant label). If used in combination with mulch, apply over the surface of the mulch after spreading mulch around ornamentals. Also available on a dry fertilizer carrier.					
isoxaben + trifluralin Snapshot 2.5 TG	2.5% granular	2.3-4.6 lb	12 H	Controls a wide range of annual grasses and broadleaf weeds in established annual and perennial ornamentals (see plant label). DO NOT apply to newly planted ornamentals until the plants have been watered, soil has firmly settled, and no cracks are present. Some commonly planted herbaceous ornamentals on the Snapshot label include Geranium, Hosta, Patunia, and others. Apply one-half inch of irrigation water, or uniformly incorporate into the soil to a depth of 1 to 2 inches, if rainfall is not received within 3 days of application.					
trifluralin Preen 1.47G	1.47% granular	6.25 lb <sup>1</sup>	After water in is dry	Apply to established flowers and ornamentals to control annual grasses and some broadleaf weeds from seed. Optimum weed control is obtained when rainfall or irrigation occurs within a few hours of application. If used in combination with mulch, apply over the surface of the mulch after spreading mulch around ornamentals. DO NOT apply to seedbeds or to non-rooted plants, or around plants when foliage is wet. Preen is also available on a dry fertilizer carrier.					
			POST-E	MERGENCE					
clethodim Envoy Plus	0.97 lb/gal	0.3-0.7 fl oz	24 H	Apply to actively-growing grasses that are not drought stressed. Make sure to add a crop oil concentrate at 1% V/V to the spray solution. Refer to label for recommended list of ornamentals. Envoy will not control broadleaf weeds or nutsedges.					
fluazifop-p Grass-B-Gon and others	See label.	See label.	12 H	Apply to actively growing grasses, which are not drought stressed. Refer to label to determine if the addition of a surfactant is necessary. Refer to label for recommended list of ornamentals. <i>Fluazifop</i> will not control broadleaf weeds or nutsedges.					
sethoxydim Segment Segment II	1 lb/gal 1.5 lb/gal	0.8–1.4 fl oz 0.6–0.9 fl oz	12 H	Apply to actively growing grasses, which are not drought stressed. DO NOT add a crop oil concentrate or surfactant to Vantage (the formulation contains an adjuvant). Vantage will not control broadleaf weeds or nutsedges.					

<sup>1</sup> All preemergent herbicides require a rain or irrigation event in order for herbicide activation to occur (approximately 0.5 to 1.0 inch of water). If no rain event occurs and no supplemental watering is provided after a preemergent herbicide application, weed control can be extremely poor or totally fail.

<sup>2</sup> Most preemergent herbicides will only control germinating weed seed. Generally, they will not control weeds after they have become established (1st or 2nd true leaf), and most preemergent herbicides will not control weeds coming from vegetative structures (i.e. yellow and purple nutsedge).

<sup>3</sup> As long as the treated area remains undisturbed, most pre-emergent herbicides will provide weed control for 2 to 4 months in most growing mediums.

<sup>4</sup> Do not apply preemergence herbicides to seeded beds or to non-rooted plants or in greenhouses.

#### WEED CONTROL FOR HOMEOWNERS: ANNUAL FLOWERS AND PERRENIALS

HERBICIDE	FORMULATION	AMOUNT OF FORMULATION/ GAL PER 1000 SQ FT	REINTRY INTERVAL (REI) IN HOURS	REMARKS AND PRECAUTIONS
		AREAS ADJACEN	T TO ORNAMEN	TAL FLOWERS (POST-EMERGENCE)
glufosinate Finale 1L	1 lb/gal	2.2-4.4 fl oz	12 H	Apply <i>glufosinate</i> to control emerged weeds. DO NOT allow spray mist to contact ornamental foliage or severe injury will occur. <i>Glufosinate</i> performs poorly on well-established perennial weeds with extensive underground storage structures (Florida betony, bermudagrass, nutsedge, etc.)
glyphosate various trade names and formulations available	See label.	See label.	4 H	Apply <i>glyphosate</i> to control most emerged weeds. DO NOT allow spray mist to contact ornamental foliage, green bark, base of thin bark plants (i.e. Crapemyrtle), or stumps of cuts sucker or severe injury could occur. Avoid applications to drought-stressed weeds.
halosulfuron Sedgehammer 75DF Manage 75 DF Prosedge	75DF	0.9 grams (spray weeds to runoff)	12 H	Apply as a post-directed application to control yellow and purple nutsedge in established woody ornamentals. Apply with 1/3 fluid ounce of nonionic surfactant per gallon of water. DO NOT allow the spray to contact foliage of desirable woody ornamentals. Wait 3 months after transplanting before application. On areas scheduled to be planted in woody ornamentals wait 4 weeks between application and transplanting.
sulfosulfuron Certainty 75DF	75% Dry flowable	0.48-0.128 grams/2 gal water	12 H	Apply as a post-directed application to control yellow and purple nutsedge and some broadleaf weeds in some established woody ornamentals, perennial ground covers, and ornamentals grasses. Apply with a nonionic surfactant at recommended rates. DO NOT allow the spray to contact foliage of desirable woody ornamentals. Wait 14 days weeks between application and planting.

# WEED CONTROL FOR HOMEOWNERS: WOODY ORNAMENTALS<sup>1</sup>

Mark A. Czarnota, Extension Horticulturist—Weed Science

HERBICIDE	AMOUNT OF FORMULATION/ GAL PER 1000 SQ FT	REINTRY INTERVAL (REI) IN HOURS	REMARKS AND PRECAUTIONS
	WEED	CONTROL AND WO	ODY PLANT MATERIAL / GROUND COVERS
		PR	E-EMERGENCE <sup>2,3,4,5</sup>
dimethenamid-P + pendimethalin Freehand 1.75 G	1.75–3.5 lb	12 H	Controls a wide range of annual grasses and broadleaf weeds in established woody ornamentals (see plant label). DO NOT apply to newly planted ornamentals until plants have been watered, the soil has firmly settled, and no cracks are present. Apply one-half inch of irrigation water, if rainfall is not received within 3 days of application
dichlobenil Casoron 4G Casoron CS	2.3–3.4 lb 2.2–4.3 oz	12 H	USE ONLY ON ESTABLISHED WOODY ORNAMENTALS. Apply between Nov. 15 and Feb. 15. Good product for controlling non-seed bearing plants (i.e. Bracken fern ( <i>Pteridium aquilinum</i> )), winter annuals, and Florida betony ( <i>Stachys floridana</i> ). After application, Casoron must be watered in with ½–1 inch of water. DO NOT apply until 4 weeks after transplanting woody ornamentals.
dithiopyr Preen for Southern Gardens 0.27 granular	4.5 lb	12 H	Can be applied around many annual, perennial and woody plants (see plant label). Do not apply more than 12.75 lbs/1000 sq ft. If used in combination with mulch, apply over the surface of the mulch after spreading mulch around ornamentals. Also available on a dry fertilizer carrier.

- 1 There are many other herbicides available to the homeowner that are not restricted use (see Commercial Edition—Commercial Grounds Maintenance Weed Control Section). Most of these herbicides are available in larger packaging and can be harder to attain. Moreover, most of these commercial products can pose greater potential for plant injury if used improperly.
- 2 All preemergent herbicides require a rain or irrigation event in order for herbicide activation to occur (approximately 0.5 to 1.0 inch of water). If no rain event occurs and no supplemental watering is provided after a preemergent herbicide application, weed control can be extremely poor or totally fail.
- 3 Most preemergent herbicides will only control germinating weed seed. Generally, they will not control weeds after they have become established (1st or 2nd true leaf), and most preemergent herbicides will not control weeds coming from vegetative structures (i.e. yellow and purple nutsedge).
- 4 As long as the treated area remains undisturbed, most pre-emergent herbicides will provide weed control for 2 to 4 months in most growing mediums.
- 5 Do not apply preemergence herbicides to seeded beds or to non-rooted plants or in greenhouses.

#### WEED CONTROL FOR HOMEOWNERS: WOODY ORNAMENTALS

HERBICIDE	AMOUNT OF FORMULATION/ GAL PER 1000 SQ FT	REINTRY INTERVAL (REI) IN HOURS	REMARKS AND PRECAUTIONS				
PRE-EMERGENCE 2,3,4,5 (continued)							
indaziflam Specticle 0.0224 GR	2.3–4.6 lb	12 H	Controls a wide range of annual weeds in select woody ornamentals. Provides one of the longest pre-emergence weed control windows of any pre-emergence herbicide. Do not apply any more than 9.2 lb pr/1000 sq ft in a 12-month period.				
isoxaben + trifluralin Snapshot 2.5 TG	2.3–4.6 lb		Controls a wide range of annual weeds in certain woody ornamentals, trees and groundcovers. DO NOT apply to newly planted ornamentals until the soil has firmly settled and no cracks are present. Not recommended for applications to bedding plants. Groundcovers should be established and well-rooted prior to application. Apply ½ inches of irrigation water, or uniformly incorporate into the soil to a depth of 1–2 inches if rainfall is not received within 3 days of application.				
trifluralin Treflan 5 G Preen 1.47 G	1.8 lb 6.25 lb	After water in is dry	Apply prior to planting and to established plants. Optimum weed control is obtained when rainfall or irrigation occurs within a few hours of application. DO NOT apply to newly planted groundcovers. DO NOT apply Treflan 5G to ornamentals with wet foliage. DO NOT apply to seeded beds or to non-rooted plants. Use the <i>trifluralin</i> product that is registered for ornamental use. Preen is also available on dry fertilizer carriers.				
benefin + oryzalin XL 2 G Amaze 2 G	4.6–6.9 lb 4.5 lb	24 H	Can be applied to a wide array of established ornamentals. A half inch of rainfall or irrigation water within 72 hours is required to activate herbicide.				
		F	POST-EMERGENCE <sup>1</sup>				
glufosinate Finale 1 lb/gal	2.2-4.4 fl oz	12 H	Apply <i>glufosinate</i> to kill most emerged weeds. DO NOT allow spray mist to contact ornamental foliage or severe injury will occur. Avoid applications to drought stressed weeds.  Ready-to-use, premixed formulations of Finale are also available. Finale performs poorly on well-established perennial weeds with extensive underground storage systems (Florida betony, bermudagrass, nutsedge, etc.)				
glyphosate various trade names and formulations available	See label.	4 H	Apply <i>glyphosate</i> to kill most emerged weeds. DO NOT allow spray mist to contact ornamental foliage, green bark, base of thin bark plants (i.e. Crapemyrtle), or stumps of cuts sucker or severe injury could occur. Avoid applications to drought stressed weeds. <i>Glyphosate</i> is very water soluble and can be tanked mixed with many preemergent herbicides. Refer to <i>glyphosate</i> label to determine compatibility with preemergent herbicides.				
halosulfuron Manage 75DF SedgeHammer 75DF Prosedge	0.9 grams (spray weeds to runoff)	12 H	Apply as a post-directed application to control yellow and purple nutsedge in established woody ornamentals. Apply with ½ fluid ounce of nonionic surfactant per gallon of water. DO NOT allow the spray to contact foliage of desirable woody ornamentals. Wait 3 months after transplanting before application. On areas scheduled to be planted in woody ornamentals wait 4 weeks between application and transplanting.				
potassium salts of fatty acids Scythe 4.2L and various other trade names are available	See label.	12 H	Apply Scythe to kill most emerged weeds. DO NOT allow spray mist to contact ornamental foliage or severe injury will occur. Avoid applications to drought stressed weeds. Scythe performs poorly on well-established perennial weeds with extensive underground storage systems (Florida betony, bermudagrass, nutsedge, etc.). Also provides postemergent control of mosses, algae, liverworts, and lichens inside greenhouses, on growing containers and benches.				
sulfosulfuron Certainty 75DF 75% Dry Flowable	0.48–0.128 grams / 2 gal water	12 H	Apply as a post-directed application to control yellow and purple nutsedge and some broadleaf weeds in some established woody ornamentals, perennial ground covers, and ornamentals grasses. Apply with a nonionic surfactant at recommended rates. DO NOT allow the spray to contact foliage of desirable woody ornamentals. Wait 14 days between application and planting.				

<sup>1</sup> There are many other herbicides available to the homeowner that are not restricted use (see Commercial Edition—Commercial Grounds Maintenance Weed Control Section). Most of these herbicides are available in larger packaging and can be harder to attain. Moreover, most of these commercial products can pose greater potential for plant injury if used improperly.

<sup>2</sup> All preemergent herbicides require a rain or irrigation event in order for herbicide activation to occur (approximately 0.5 to 1.0 inch of water). If no rain event occurs and no supplemental watering is provided after a preemergent herbicide application, weed control can be extremely poor or totally fail.

<sup>3</sup> Most preemergent herbicides will only control germinating weed seed. Generally, they will not control weeds after they have become established (1st or 2nd true leaf), and most preemergent herbicides will not control weeds coming from vegetative structures (i.e. yellow and purple nutsedge).

<sup>4</sup> As long as the treated area remains undisturbed, most pre-emergent herbicides will provide weed control for 2 to 4 months in most growing mediums.

<sup>5</sup> Do not apply preemergence herbicides to seeded beds or to non-rooted plants or in greenhouses.

#### WEED CONTROL FOR HOMEOWNERS: WOODY ORNAMENTALS

HERBICIDE	AMOUNT OF FORMULATION/ GAL PER 1000 SQ FT	REINTRY INTERVAL (REI) IN HOURS	REMARKS AND PRECAUTIONS
	_	POST-EM	ERGENCE GRASS CONTROL
<i>clethodim</i> Envoy Plus 0.97 lb/gal	0.3-0.7 fl oz	24 H	Apply to actively growing grasses that are not drought stressed. Make sure to add a crop oil concentrate at 1% V/V to the spray solution. Refer to label for recommended list of ornamentals. Envoy Plus will not control broadleaf weeds or nutsedges.
fluazifop-P Grass-B-Gon and others	See label.	12 H	Apply post-emergence to actively growing grasses that are not drought stressed. Refer to the label to determine if a surfactant is necessary and for a recommended list of ornamentals. Fluazifop will not control broadleaf weeds or nutsedges.
sethoxydim Segment 1 lb/gal Segment II 1.5 lb/ gal	0.8–1.4 fl oz 0.6–0.9 fl oz	12 H	Apply post-emergence to actively growing weedy grasses that are not drought stressed. DO NOT add a surfactant or crop oil concentrate to Vantage will not control broadleaf weeds or nutsedges.
		ORGANIC ANI	D ORGANIC-LIKE HERBICIDES¹
Acetic acid Weed Pharm, 30% Pure Vinegar, and others	Sold as 15, 20, and 30% concentrate. Activity of weeds will depend on weed species. Try to use on young tender plants for best results. Can use at full concentrate, but can be diluted. 25 and 50% spray dilutions may provide adequate control.	All < 12 H	Currently, all the acids and oils only provide burndown capabilities and will only control plants with shallow root systems (i.e., crabgrass, bittercress, etc.). Multiple applications will be required to control deep-rooted perennials (i.e., yellow and purple nutsedge, bermudagrass, Florida betony, etc.). DO NOT allow spray mist to contact foliage of desirable plants as severe injury can occur. Avoid applications to drought stressed weeds. None of the listed products will provide pre-emergence weed control.
Citrus oil Greenmatch, Avenger Weed Killer	Some ready to use (RTU) products, but concentrates require diluted spray concentrations from 12.5% to 25% V/V (volume to volume)		
Citric acid C-Cide	Use undiluted on difficult weeds (i.e. bermudagrass). For less difficult weeds, dilute with water at 1 part C-Cide to 3 parts water or 1 part C-Cide to 2 parts water.		
Clove oil Burnout II, Matratec, and others	Some ready to use (RTU) products, but concentrates vary but usually 1 part product to 3 parts water		
Clove oil / cinnamon oil WeedZap	Make a 5% solution V/V		
Herbicidal Soap BioSafe Weed Control, Scythe, and others	Most advise making a 5–15% spray solution		
Corn Gluten Weed Prevention Plus, Luscious Lawn, others	Rates vary by product but approximately 1000–2000 lbs/A		Corn gluten provides pre-emergence weed control of weeds coming from seed in lawn and garden situations. However, corn gluten can also inhibit the germination of desirable plants coming from seed. It also adds 10% nitrogen by weight.

<sup>1</sup> In the United States there are several organic certifications but in any organic operation the pesticides have to be certified by OMRI (Organic Material Review Institute) the herbicides in this section are not all certified by OMRI, but are considered safer than conventional herbicide.

	dichlobenil	dimethenamid	flumioxazin	indaziflam	isoxaben	oxadiazon	simazine		
TIME OF APPLICATION:				PRE-EMERGENCE					
	PERENNIAL WEEDS (control of plants)								
bahiagrass		P	P	P	P	P	P		
bermudagrass		P	P	P	P	P	P		
dallisgrass		P	P	P	P	P	P		
nutsedge, purple	G	P	P	P	P	P	P		
nutsedge, yellow	G	F	P	P	P	P	P		
tall fescue		P	P	P	P	P	P		
wild garlic/ wild onion	G	P	P	P	P	P	P		
	(control of plant	ts from seed with	ANNUAL GRASSE pre-herbicides, co	S ntrol of plants wit	h post-herbicides	)			
annual bluegrass	G	G	Е	Е	P–F	G	G		
crabgrass	G	G	Е	Е	P-F	G	G		
goosegrass	G	G	Е	Е	P	Е			
			ALL SEEDED BROA						
1 :44	(control of plant			ntrol of plants wit			г		
bittercresses	0	E	E	E	G	G	F		
common chickweed	G	E	E	E	Е	G	E		
deadnettle	G			Е			G		
dodder henbit	E G		E	E E	E	G	г		
			E		E G		E		
hop clovers	G		г	E E	G	G G	E E		
knotweed lespedeza	G G		E	E	F	G	E		
	F	F	G	E	r G	F	G		
morningglories mustards	G	G	G	E	G F	E E			
	G	E	E	E	E E	G G	E G		
niruri/phyllanthus	C	E	E	E	E	F	E		
spurge woodsorrel	G G	E	E	E	E E	E E	E		
woodsorrer	- G		NNIAL BROADLEA		E	E	E		
	(control of plant			ntrol of plants wit	h post-herbicides	)			
clovers	G	G	Е	G	G	G	Е		
dandelion	G		Е	G	G	G	G		
dichondra	P (labeled)		Е						
docks	G		E		G				
Florida betony	Е								
mallow			Е	G		G	G		
mouseear chickweed	G		Е	G		G	G		
mugwort	Е								
pennywort	G								
plantain			G		G	G			

 $E-Excellent\ Control\ (>90\%) \quad G-Good\ Control\ (70-90\%) \quad F-Fair\ Control\ (50-70\%) \quad P-Poor\ Control\ (<50\%) \quad If\ no\ symbol\ is\ given,\ weed\ response\ is\ unknown.$ 

## ORNAMENTALS: WEED RESPONSE TO HERBICIDES

	oxyfluorfen	prodiamine	trifluralin	clethodim	clopyralid	diquat	fluazifop	glufosinate
TIME OF APPLICATION:	1	PRE-EMERGENCE			P	OST-EMERGENC	E	
				AL WEEDS				
1.1.	D.	D		of plants)	D.	D	0	, n
bahiagrass	P	P	P	G	P	P	G	P
bermudagrass	P	P	P	G-E	P	P	G-E	P
dallisgrass	P	P	P	G	P	Р	G	P
nutsedge, purple	P	P	P	P	P	Р	P	P
nutsedge, yellow	P	P	Р	P	P	Р	P	P
tall fescue	P	P	P	G	P	Р	G	P
wild garlic	Р	P	P	P	P	Р	P	P
	(control of p	lants from seed		GRASSES cides, control of	plants with post	t-herbicides)		
annual bluegrass	G	Е	G	Е	P	G	Е	G
crabgrass	G	Е	Е	Е	P	G	Е	G
goosegrass	G	G	G	Е	P	G	Е	G
	(control of n	ANNU/ lants from seed		ED BROADLEAF \		t borbisidos)		
bittercresses	G	G	G G	P P	piants with pos	G	P	G
common chick weed	G	G	G	P		G	P	E
deadnettle	· ·	G	G	P P		G	P	G
dodder		P	ď	P P		ų ,	P	d
henbit	G	G	G	P P		G	P	E
knotweed	d	d	ď	P P		d	P	E
lespedeza	G	G	G	P	E	F	P	F
morningglories	d	G	F	P	E	G	P	P
mustards	G	F	F	P		G	P	G
	G	G	r P	P P		G	P	G
niruri/phyllanthus	G	G	G	P P		G	P	G
spurge woodsorrel		G	F	P P		G		G
woodsorrei	G			DADLEAF WEEDS		G	P	G
	(control of p	lants from seed				t-herbicides)		
clovers	G	Е	G	P	E	F	P	F
dandelion	G	G	G	P	G	G	P	P
dichondra				P	P		P	
docks	G	G	G	P	G	P	P	P
Florida betony				P	P	P	P	P
mallow	G	G	G	P		G	P	G
mouseear chickweed	G	G	G	Р		G	P	G
mugwort				P	Е	G	P	P
pennywort				P	G	G	P	P
plantain	G	G	G	Р	P	G	P	F

 $E-Excellent\ Control\ (>90\%) \quad G-Good\ Control\ (70-90\%) \quad F-Fair\ Control\ (50-70\%) \quad P-Poor\ Control\ (<50\%) \quad If\ no\ symbol\ is\ given,\ weed\ response\ is\ unknown.$ 

#### **ORNAMENTALS: WEED RESPONSE TO HERBICIDES**

	glyphosate	halosulfuron	paraquat	pelargonic acid	sethoxydim	sulfosulfuron	triclopyr
TIME OF APPLICATION:				POST-EMERGENCE			
			PERENNIAL WEE (control of plan				
bahiagrass	G	P	P	P	G	P	P
bermudagrass	G	P	P	P	G	P	P
dallisgrass	Е	P	P	P	G	P	P
nutsedge, purple	G	Е	P	P	P	Е	P
nutsedge, yellow	G	Е	P	P	P	Е	P
tall fescue	Е	P	P	P	G	P	P
wild garlic	G	G	P		P	G	
	(control of plar	nts from seed with	ANNUAL GRASS pre-herbicides, c	ES ontrol of plants wi	th post-herbicides	;)	
annual bluegrass	Е	P	Е	G	P–F	P	P
crabgrass	G	P	G	G	Е	P	P
goosegrass	Е	P	F–G	F	Е	P	P
	(control of plar		MALL SEEDED BRO pre-herbicides, c	ADLEAF WEEDS ontrol of plants wi	th post-herbicides	;)	
bittercresses	G		Е	F	P		G
common chickweed	Е		Е	G	P	G	G
deadnettle	G		Е	G	P	G	G
dodder	Е				P		
henbit	Е		Е	G	P	G	G
knotweed	Е		Е	G	P		G
lespedeza	Е			F	P	G	G
morningglories	G		F-G	F	P		G
mustards	Е		Е	G	P	G	G
niruri/phyllanthus	Е		Е		P		G
spurge	Е		Е	G	P		G
woodsorrel	Е		Е	G	P		G
	(control of plar	PERE nts from seed with	NNIAL BROADLE/ pre-herbicides, c	AF WEEDS ontrol of plants wi	th post-herbicides	s)	
clovers	F			P-F	P	G	G
dandelion	Е	G		P	P	G	G
dichondra	Е				P		G
docks	Е				P		G
Florida betony	G				P		G
mallow	Е			F	P		G
mouseear chickweed	Е			G	P	G	G
mugwort	Е			F	P	G	F
pennywort	E				P		G
plantain	Е				P		G

 $E-Excellent\ Control\ (>90\%) \quad G-Good\ Control\ (70-90\%) \quad F-Fair\ Control\ (50-70\%) \quad P-Poor\ Control\ (<50\%) \quad If\ no\ symbol\ is\ given,\ weed\ response\ is\ unknown.$ 

Prevention in the home landscape is the key to reducing diseases in and around your yard. Several disease preventive practices can be used before resorting to spraying pesticides. They include: 1) Selecting disease-free plants from accredited nurseries and garden centers; 2) Selecting resistant ornamental varieties; 3) Site selection and planning in order to grow plants that are appropriate for the site; 4) Proper plant care, including proper fertilization, irrigation, and removing dead and diseased plant parts that could harbor pathogens; and 5) Regular scouting for potential problems. The application of pesticides should be the last option for the home. Obtain an accurate identification of the problem and a recommendation from the UGA Extension system before applying any pesticides. REMEMBER TO ALWAYS READ AND FOLLOW THE LABEL CAREFULLY.

This guide has two sections: **PART A** is a list of commonly occurring plant pathogens/diseases and the materials that can be used to control them (including the active ingredient and brand name); **PART B** is a list of commonly grown herbaceous and woody ornamental plants and trees and some of the diseases that occur on

them. Plant names in PART B are listed alphabetically according to the scientific name of the plant. If it is uncertain whether a fungicide can be safely used on a plant species, a small number of plants should be treated to test for phytotoxicity prior to treating the entire crop. Always refer to the fungicide label for directions.

The products listed can be found at local garden retail centers and on-line at particular locations.

\*\*Keep in mind this is not an all-inclusive list of plants or products. Contact your local county Extension agent for more information regarding plants or pesticide control products.

 $\triangle$  FOLLOW ALL LABEL DIRECTIONS CAREFULLY.

PAY PARTICULAR ATTENTION TO RE-ENTRY PERIODS AND RE-USE INTERVALS.  $\triangle$ 

# PART A: LIST OF COMMONLY OCCURRING PLANT PATHOGENS/DISEASES AND MATERIALS USED TO CONTROL THEM

DISEASE	ACTIVE INGREDIENT BRAND NAME	CONTACT OR SYSTEMIC
	OOMYCETES	
Phytophthora and Pythium root/crown rot	phosphorous acid Monterey AGRI-FOS	Systemic
Downy mildew Phytophthora blight/dieback	chlorothalonil Daconil Ortho Garden Disease Control Hi-Yield Vegetable, Flower, Fruit, & Ornamental Fungicide Fertilome Landscape & Garden Fungicide Bonide Fung-onil Gardentech Daconil Monterey Fruit Tree, Vegetable, and Ornamental Fungicide	Contact
	copper hydroxide Hi-Yield Copper Fungicide Kocide 101	Contact
	copper salts Monterey LIQUI-COP Bonide Liquid Copper Fungicide Dragon Copper Fungicide	Contact
	phosphorous acid Monterey AGRI-FOS	Systemic

## HOME ORNAMENTAL AND TREE DISEASE CONTROL GENERAL FUNGICIDE GUIDELINES

DISEASE	ACTIVE INGREDIENT BRAND NAME	CONTACT OR SYSTEMIC
	FUNGAL	
Botrytis blight	chlorothalonil Daconil Ortho Garden Disease Control Hi-Yield Vegetable, Flower, Fruit, & Ornamental Fungicide Fertilome Landscape & Garden Fungicide Bonide Fung-onil Gardentech Daconil Monterey Fruit Tree, Vegetable, and Ornamental Fungicide	Contact
Armillaria rot/stem rot Black root rot Cylindrocladium root rot Rhizoctonia root/stem rot	PCNB Hi-Yield Turf & Ornamental Fungicide Terraclor (several manufacturers)	Contact
Sclerotima root rot Sclerotium blight	thiophanate-methyl Scotts Lawn Fungus Control Green Light Systemic Fungicide Dragon Systemic Fungicide 3336	Systemic
Diplodia tip blight Kabatina dieback Phomopsis dieback Phomopsis needle blight WP Sclerotinia stem rot Tip blight	thiophanate-methyl Ferti-lome Halt Systemic Fungicide Scotts Lawn Fungus Control Green Light Systemic Fungicide Dragon Systemic Fungicide 3336 WP	Systemic
Powdery mildew	chlorothalonil Daconil Ferti-lome Broad Spectrum Liquid Fungicide Ortho Garden Disease Control Hi-Yield Vegetable, Flower, Fruit, & Ornamental Fungicide Fertilome Landscape & Garden Fungicide Bonide Fung-onil Gardentech Daconil	Contact
	Jojoba oil Monterey E-Rase RTU	Contact
	myclobutanil Ferti-lome F-stop Lawn Fungicide Green Light Fung-Away Systemic Granules Spectracide Immunox Fungicide Spectracide Lawn Disease Spray Spectracide Lawn Disease Control Granules Spectracide Multi-purpose Fungicide	Systemic
	Neem oil Green Light Powdery Mildew RTU Ferti-Lome Triple Action RTU	Contact
	potassium bicarbonate soluble powder Monterey Bi-Carb Old Fashioned Fungicide	Contact
	sulfur Safer Garden Fungicide Monterey Sulfur 90W Bonide Sulfur Plant Fungicide Hi-Yield Wettable Dusting Sulfur Dragon Wettable or Dusting Garden Sulfur Top-Cop with Sulfur	Contact

## HOME ORNAMENTAL AND TREE DISEASE CONTROL GENERAL FUNGICIDE GUIDELINES

DISEASE	ACTIVE INGREDIENT BRAND NAME	CONTACT OR SYSTEMIC
	FUNGAL (continued)	
Rust	chlorothalonil Daconil Ortho Garden Disease Control Hi-Yield Vegetable, Flower, Fruit, & Ornamental Fungicide Fertilome Landscape & Garden Fungicide Bonide Fung-onil Gardentech Daconil	Contact
	myclobutanil Ferti-lome F-stop Lawn Fungicide Green Light Fung-Away Systemic Granules Spectracide Immunox Fungicide Spectracide Lawn Disease Spray Spectracide Multi-purpose Fungicide	Systemic
	tebucanazole Bayer Disease Control	Systemic
Leaf spots (Alternaria, Anthracnose, Cercospora, Cylindrocladium, Entomosporium, Gnomonia, Heterosportium, Macrophoma, Mycosphaerella, Phyllosticta, Purple-eye, Septoria, Zonate)	chlorothalonil Daconil Ferti-lome Broad Spectrum Liquid Fungicide Hi-Yield Daconil Garden Tech Fungicide Disease Control Bonide Fung-onil Multi-Purpose Fungicide Ortho Garden Disease Control Dragon Daconil 2787 Monterey Fruit Tree, Vegetable, and Ornamental Fungicide	Contact
	propiconazole Bonide Infuse Ortho Lawn Disease Control Ferti-lome Liquid Systemic	Systemic
Black spot (Rose) Curvularia leaf blight Leaf streak (daylily) Scab Spot anthracnose Volutella blight Web blight	captan Bonide Captan Dragon Captan Wettable Powder	Contact
	copper hydroxide Kocide 101 Nu-Cop 50DF	Contact
	copper salts Monterey LIQUI-COP Bonide Liquid Copper Fungicide	Contact
	mancozeb Bonide Mancozeb Flowable	Contact
	thiophanate-methyl Ferti-Lome Halt Systemic Fungicide Scotts Lawn Fungus Control Green Light Systemic Fungicide Dragon Systemic Fungicide 3336WP	Systemic

#### HOME ORNAMENTAL AND TREE DISEASE CONTROL GENERAL FUNGICIDE GUIDELINES

DISEASE	ACTIVE INGREDIENT BRAND NAME	CONTACT OR SYSTEMIC	
	FUNGAL (continued)		
Leaf/flower gall	chlorothalonil Daconil Ortho Garden Disease Control Hi-Yield Vegetable, Flower, Fruit, & Ornamental Fungicide Fertilome Landscape & Garden fungicide Bonide Fung-onil Gardentech Daconil Monterey Fruit Tree, Vegetable, and Ornamental Fungicide	Contact	
	mancozeb Bonide Mancozeb Flowable	Contact	
	myclobutanil Ferti-lome F-stop Lawn Fungicide Green Light Fung-Away Systemic Granules Spectracide Immunox Fungicide Spectracide Lawn Disease Spray Spectracide Lawn Disease Control Granules Spectracide Multi-purpose Fungicide	Systemic	
Cankers (various fungal pathogens)	There are various fungal pathogens that cause cankers on we most part, fungicides are not an effective or practical mean venting and controlling cankers on plants. Avoid stress on PRUNE infected branches at least 1 inch below infected are bleach or alcohol). AVOID WATER STRESS and TREE WO	s of control. Keeping plants healthy is the key to pre- the plants (over/under-watering and fertilization). ea and sterilize pruning tools between cuts (10%	
	BACTERIAL		
Fire Blight Bacterial Blight Soft rot	copper Bonide Copper Spray or Dust	Contact	
	copper hydroxide Kocide 101 Nu-Cop 50DF	Contact	
	copper salts Monterey LIQUI-COP Bonide Liquid Copper Fungicide	Contact	
	copper oxinate Concern Copper Soap	Contact	
	streptomycin sulfate Bonide Fire Blight Spray Ferti-lome Fire Blight Spray	Contact	
Crown gall	Important to purchase healthy plants. Biological controls a copper compounds, but may be phytotoxic.	re available. Check with county agents. Can use	
	NEMATODE		
	chitin Clandosan	This product is a soil amendment that increases the growth of naturally occurring microorganisms that feed on nematodes (nematode bodies are composed of chitin).	
	VIRUSES		
	No chemical controls for viral diseases.		

# PART B: LIST OF COMMONLY GROWN ORNAMENTAL PLANTS AND TREES AND SOME OF THE DISEASES THAT OCCUR ON THEM

\*This is not an all-inclusive list.

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
Abelia	No maior mosts — leaf mosts most demonstration most broat most of
	No major pests leaf spots, powdery mildew, root knot nematode
Abies (Fir)	Botrytis blight, Cytospora canker, oedema (cultural), Phytophthora root/crown rot
Abutilon (Velvet Leaf/Flowering Maple)	Rhizoctonia root rot, web or aerial blight, root knot nematode, stem rot, root rot, rust
Acer (Maple, Box Elder)	Anthracnose, Bacterial scorch, Bacterial Wetwood, Botryosphaeria dieback, Cytospora canker, Ganoderma root rot, leaf spot (various fungi), Nectria canker, Phomopsis dieback, tar spot, Valsa canker, Verticillium wilt, Phyllosticta leaf spot
Achillea (Yarrow)	Powdery mildew
Aconitum (Monkshood)	Southern blight
Aesculus (Horse Chestnut, Buckeye)	Guignardia blotch
Agave (Century Plant)	Crown rot, Anthracnose, Leaf spot
Ageratum (Floss Flower)	Southern blight, Pythium & Phytophthora root rots, Botrytis blight, rust, powdery mildew
Ailanthus (Tree-of-Heaven)	Fusarium stem/root rot
Ajuga (Bugleweed)	Phomopsis dieback, Phytophthora root rot, Pythium root rot, Rhizoctonia root/ crown rot, root knot nematode, Southern blight, viral disease, web blight
Albizia (Mimosa)	Fusarium wilt, Crown dieback (Fusarium)
Alcea (Hollyhock)	Root knot nematode, Rust
Allium (Ornamental Onion)	White rot
Aloe	Root rot (Pythium)
Amelanchier (Service Berry)	Rust, Entomosporium leaf spot, bacterial fire blight, powdery mildew
Anemone	Foliar nematode, Phytophthora root rot, Rust, leaf spot, downy mildew
Anise-tree	Sooty mold, leaf spot (algal)
Antirrhinum (Snapdragon)	Cercospora leaf spot, downy mildew, Phytophthora root/crown rot, Pythium root rot, Rhizoctonia stem rot, Rust, Verticillium Wilt, viral diseases, Botrytis blight
Aquilegia (Columbine)	Pythium root rot, crown rot, Powdery mildew
Arctostaphylos (Bearberry)	Pythium root rot, Phytophthora root rot
Arisaema (Jack-in-the-Pulpit)	Rust
Armeria (Sea Thrift)	Web blight
Aronia (Chokeberry)	Pythium root rot
Aegopodium (Goutweed)	Leaf spot
Artemisia (Dusty Miller)	Rhizoctonia root/stem rot
Asclepias (Milkweed)	Anthracnose
Asclepias tuberosa (Butterfly Weed)	Rhizoctonia stem rot
Asimina (Pawpaw)	Nectria canker, leaf spots
Aster	Powdery mildew, Rust, leaf spot
Astilbe	Pythium root rot, root knot nematodes
Aucuba	Anthracnose, Botryosphaeria dieback, leaf spots, Phomopsis dieback, ring nematode
В	
Bamboo	Pythium root rot

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
B (continued)	
Begonia	$An thrac nose, Botry tis\ blight, Fusarium\ stem\ rot, Powdery\ mildew, Rhizoctonia\ root/stem\ rot, root\ knot\ nematode$
Berberis (Barberry)	Phytophthora root rot
Bergenia	Pythium root rot
Betula (Birch)	Anthracnose, Botryosphaeria dieback, Botrytis blight, red heart, Septoria leaf spot, rust
Buddleia (Butterfly Bush)	Phytophthora root rot, Rhizoctonia root rot
Buxus (Boxwood)	Botryosphaeria dieback, Boxwood decline, Lesion nematode, Macrophoma leaf spot, Phytophthora root rot, Volutella blight
c	
Cactus	Pythium root rot
Caladium	Pythium root rot
Calibrachoa (Million Bells)	Phytophthora crown rot, Rhizoctonia root rot, Southern blight
Callicarpa (Beauty Berry)	No serious problems
Calocedrus (Incense Cedar)	Seiridium canker
Camellia	Anthracnose, Botryosphaeria dieback, leaf/flower gall, leaf spot, oedema (nutritional), petal/flower blight, Phytophthora root rot, Pythium root rot, viral disease
Campanula (Bellflower)	Fusarium crown rot, leaf spots
Campsis (Trumpet Vine)	Anthracnose, mistletoe, powdery mildew
Canna (Canna Lily)	Lesion nematodes, Pythium root rot, bacterial bud rot
Carpinus (Hornbeam)	Pythium root rot, cankers
Capsicum (Ornamental Pepper)	Verticillium wilt
Carya (Hickory)	Downy leaf spot, Gnomonia leaf spot, phomopsis gall, Powdery mildew, Zonate leaf spot
Caryopteris (Bluebeard)	Phytophthora stem/root rot, Pythium root rot
Castanea (Chestnut)	Chestnut blight canker
Catalpa	Bacterial wetwood, Verticillium wilt, Cercospora leaf spot
Catharanthus (Madagascar Periwinkle)	Black root rot, Botrytis blight, Phytophthora blight, Pythium root rot, Rhizoctonia
stem/root rot	
Cattleya (Orchid)	Bacterial brown spot
Cedrus (Cedar)	Armillaria root rot, Phomopsis needle/twig blight
Celosia (Cockscomb)	Pythium root rot, Rhizoctonia root rot, leaf spot
Cercis (Redbud)	Botryosphaeria dieback, Botrytis blight, Fusarium canker, leaf spot, Verticillium wilt
Chamaecyparis (Falsecypress)	Phytophthora root rot, Seiridium canker, web blight
Chionanthus (Fringe Tree)	Leaf spot
Chrysanthemum (Shasta Daisy, Mum)	Pythium root rot, web blight, Rust, Powdery mildew, foliar nematode, Verticillium wilt
Chrysogenum (Goldenstar)	Southern blight
Cladastris (Yellow Wood)	Anthracnose
Clematis	Leaf spot, Phytophthora root rot
Clivia (Kaffir Lily)	Leaf spot, Southern blight
Coleus	Botrytis blight, Downy mildew
Consolida (Larkspur)	Pythium root rot, Rhizoctonia root/crown rot
* * *	

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
C (continued)	
Cornus (Dogwood)	Anthracnose, Botryosphaeria dieback/canker, Botrytis blight, Disculaanthracnose, Fusarium canker, leaf spot, phomopsis dieback, Powdery mildew, Pythium root rot, Septoria leaf spot, spot anthracnose, viral disease
Corylus (Filbert)	Eastern Filbert blight
Cosmos (Mexican Aster)	Botrytis blight, Phomopsis stem canker, powdery mildew, white smut
Cotinus (Smoke Tree)	Anthracnose, Verticillium wilt
Cotoneaster	Leaf spot, Phytophthora root rot, web blight, fire blight
Crassula (Jade Plant)	Oedema, Pythium root rot
Crataegus (Hawthorn)	Cercospora leaf spot, Entomosporium leaf spot, rust, fire blight
Cryptomeria (Japanese Cedar)	Needle blight, Phomopsis twig blight, Phytophthora root rot
Cupressus (Cypress)	Botryosphaeria dieback, Kabatina dieback, tip blights, Phytophthora root rot, Seiridium canker
Cyclamen	Fusarium Wilt
Cymbidium (Orchid)	Viral disease
D	
Dahlia	Crown gall, Powdery mildew, tuber rot (fungal-Fusarium and Botrytis), root rot, viral disease (mosaic)
Daphne	Anthracnose, Phytophthora root/stem rot, crown rot (Sclerotium spp.)
Davidia (Dove Tree)	Phomopsis dieback
Delosperma (Ice Plant)	Pythium root rot
Dendranthema (Chrysanthemum)	Bacterial leaf spot, Botrytis blight, Mycosphaerella ray blight, Phytophthora root rot, powdery mildew, Pythium root/stem rot, Rhizoctonia root rot, Septoria leaf spot, leaf rust, Verticillium wil
Dianthus (Carnation)	Alternaria leaf spot, Botrytis blight, Fusarium stem rot, powdery mildew, Rhizoctonia stem rot, rust, aster yellows, viral disease
Digitalis (Foxglove)	Black root rot, Fusarium root rot, Pythium root rot, Anthracnose
Dimorphotheca (African Daisy)	Botrytis blight
Dracaena	Fusarium blight, Pythium root rot
Duchesnea (Indian Strawberry)	Rust
E	
Echinacea (Coneflower)	Aster yellows, foliar nematodes, Pythium root rot, viral disease
Eichhornia (Water Hyacinths)	Leaf spot
Elaeagnus (Autumn Olive)	Phytophthora root rot
Epiphyllum (Cereus)	Oedema (nutritional)
Epipremnum (Pothos)	Phytophthora stem rot
Erica (Heather)	Phytophthora root rot
Eucalyptus	Anthracnose, Botryosphaeria dieback, crown gall, Fusarium canker, Phomopsis dieback, Phytophthora root rot, powdery mildew, Pythium root rot
Euonymus	Powdery mildew
Euphorbia (Spurge)	Anthracnose, Botryosphaeria dieback
Euphorbia pulcherima (Poinsettia)	Bacteria blight, bacterial leaf spot, Botrytis blight, powdery mildew, Pythium root rot, scab
Eustoma (Lisianthus)	Botrytis blight, Fusarium stem/root rot

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
F	
Fagus (Beech)	Anthracnose, Botryosphaeria canker, Hypoxylon canker, viral disease
Fatsia	Leaf spot
Fatshedra (Bush Ivy)	Botrytis blight, Fusarium root/stem rot, Phomopsis blight, Rhizoctonia root rot, Powdery mildew, scab
Ficus (Fig)	Anthracnose, Phytophthora root rot
Ficus benjamina (Weeping Fig)	Anthracnose, Phomopsis gall
Forsythia	Botryosphaeria dieback, crown gall, Phomopsis gall, Phytophthora root rot, ringer nematodes, Sclerotinia twig blight, web blight
Fraxinus (Ash)	Anthracnose, ash yellows, Botryosphaeria canker, rust
G	
Gaillardia (Blanket Flower)	Pythium root rot, White smut
Galium (Sweet Woodruff)	Rhizoctonia stem/root rot, Southern blight
Gardenia	Anthracnose
Gerbera (African Daisy)	Pythium root rot, Botrytis blight
Gladiolus	Botrytis leaf blight, Curvularia leaf blight, Fusarium yellows, Penicillium corm rot, Rhizoctonia corm rot, aster yellows, scab
Gleditsea (Honeylocust)	Botryosphaeria canker, Thyronectria canker
Gloxinia (Sinningia)	Viral disease
Gomphrena (Globe Amaranth)	Leaf spot, root knot nematode
Gypsophila (Baby's Breath)	Bacterial soft rot
н	
Hamamelis (Witchhazel)	Botryosphaeria dieback, leaf spot, powdery mildew
Hedera helix (English Ivy)	Anthracnose, Bacterial leaf spot, oedema, Phyllosticta leaf spot, Phytophthora root rot, Pythium root rot, Rhizoctonia root rot
Heliant hemum (Rock Rose)	Botrytis blight
Helianthus (Sunflower)	Alternaria leaf/stem spot, powdery mildew
Helichrysum (Strawflower)	Fusarium stem rot
Helleborus (Hellebore)	Black leaf spot, Botrytis blight, Pythium root rot, Rhizoctonia root rot, Southern blight
Hemerocallis (Daylily)	Anthracnose, rust, leaf streak, Southern blight
Heuchera (Coral Bells)	Pythium root rot, leaf spot, downy mildew
Hibiscus	Phytophthora root rot, Pythium root rot, viral disease
Hibiscus syriacus (Rose-of-Sharon)	Leaf spot
Hosta	Anthracnose, Botrytis blight, leaf spot, root rot, soft rot, Southern blight, virus X
Hyacinth (Hyacinthus)	Bacterial soft rot, root rot, gray mold
Hydrangea	Anthracnose, Armillaria root rot, bacterial leaf spot, Botrytis blight, Cercospora leaf spot, Phytophthora root rot, Pythium root rot, powdery mildew
Hypericum (St. Johnswort)	Phytophthora root/stem rot, rust, Rhizoctonia root rot, leaf spots
I	
Iberis (Candytuft)	Anthracnose, Pythium root rot
Ilex (Holly)	Anthracnose, Bacterial Blight, Black root rot, Botryosphaeria dieback, leaf spot, root knot nematodes, oedema (nutritional), Phomopsis dieback, Phytophthora root rot, Pythium root rot,
	Rhizoctonia root rot, rust, tar spot, web blight

Impariens Personal Contenting Con	PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
laceases Ipomoea (Morning Glory) Rust, white rust Iris Botryris blight, Heterosporium leaf spot, soft rot, viral disease (mosaic) Juniperus (Juniper) Luniperus (Juniper) Luniperus (Juniper) Cercospora blight, Kabatina tip blight, Pestalotia dieback, Phytophthora root rot, Pythium root rot, rust Juniperus wriginiana (Eastern Red Cedar) Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust  Kalmia (Mountain Laurel) Leaf spot, powdery mildew, sooty mold Lantana Leaf spot, root knot nematode, fusarium wilt Laurus nobilis (Bay Laurel) Cercospora leaf spot Luvandula (Lavender) Phytophthora root rot, Pythium root rot Leucothoe (Drnoping Leucothoe) Botryosphaeria dieback, Cyfiindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Ligustrum (Statice) Phytophthora root rot, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Viral disease Phytophthora (Puthy Trec) Powdery mildew, sooty mold Liriope (Lilyurf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Phytophthora root rot, viral disease Lobelia Pythium root rot, viral disease Phytophthora root rot Lomicar (Honeysudde) Botryssphaeria dieback, Botryris blight, Herpobasidium leaf blight, powdery mildew, witches' broom Anthracnose, brown spot, Pythium root rot Linguis (Losestrife) Roots (Audiow) Roots (Audiow) Rast Malva (Audiow) Rast Malva (Audiow) Rast Miscanthus Bilght Morica (Bilght, Bacterial leaf blight, bacterial wetwood Mysootis (Forget-Me-Not) My	I (continued)	
Iris Botrytis blight, Heterosporium leaf spot, soft rot, viral disease (mosaic)  Juniperus (Juniper) Kabatina tip blight, Pestalotia dieback, Phytophthora root rot. Pythium root rot, rust  Juniperus virginiana (Eastern Red Cedar) Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust  Kalmia (Mountain Laurel) Botryosphaeria dieback, Cercospora leaf spot  Lagerstroemia (Crape Myrtle) Leaf spot, powdery mildew, sooty mold  Lantana Leaf spot, root knot nematode, fusarium wilt  Laurus nobilis (Bay Laurel) Cercospora leaf spot  Lavandula (Lavender) Phytophthora root rot, Pythium root rot  Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot  Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lillum (Lily) Anthracnose, Dotrytis blight, Pythium root rot, viral disease (mosaic)  Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall  Liriope (Lityturf) Anthracnose, Jolian ematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, Polian root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Canhapple) Anthracnose, Folian root, Southern blight  Malus (Crahapple) Bacterial leaf spot, powdery mildew  Malus (Crahapple) Bacterial leaf spot, powdery mildew  Malus (Crahapple) Bacterial leaf spot, powdery mildew  Malus (Chabapple) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotia (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Impatiens	Pythium root/stem rot, Rhizoctonia root/stem rot, root knot nematodes, Verticillium wilt, viral
Juniperus (Juniper) Kabatina tip blight, Pestalotia dicback, Phytophthora root rot, Pythium root rot, rust Juniperus Virginiana (Eastern Red Cedar) Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust  Kalmia (Mountain Laurel) Botryosphaeria dieback, Cercospora leaf spot  Lagerstroemia (Crape Myrtle) Leaf spot, powdery mildew, sooty mold  Lantana Leaf spot, root knot nematode, fusarium wilt  Laurus nobilis (Bay Laurel) Cercospora leaf spot  Lavandula (Lavender) Phytophthora root rot, Pythium root rot  Lavandula (Lavender) Botryosphaeria dieback, Cylindrocladium leaf spot, Phylosticta leaf spot, Phytophthora root rot  Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lilium (Lily) Anthracnose, Sotrytis blight, Pythium root rot, trit disease (mosaic)  Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall  Liriodendron (Tulip Tree) Powdery mildew, sooty mold  Lirioge (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, Irown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malus (Crabapple) Roterial leaf spot, powdery mildew  Malus (Crabapple) Roterial leaf spot, powdery mildew  Malus (Graberry) Berry blight, bacterial leaf blight, bacterial leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Ipomoea (Morning Glory)	Rust, white rust
Juniperus virginiana (Eastern Red Cedar)   Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust   Kalmia (Mountain Laurel)   Botryosphaeria dieback, Cercospora leaf spot   Cagrestroemia (Crape Myrtle)   Leaf spot, powdery mildew, sooty mold     Lantana   Leaf spot, root knot nematode, fusarium wilt     Laurus nobilis (Bay Laurel)   Cercospora leaf spot     Lavandula (Lavender)   Phytophthora root rot, Pythium root rot     Leucothoe (Drooping Leucothoe)   Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot     Ligustrum (Privet)   Anthracnose, Cercospora leaf spot, Phytophthora root rot     Lilium (Lily)   Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)     Limomium (Statice)   Phytophthora root rot, Pythium root rot, Rhizoctonia root rot     Liquidambar (Sweet Gum)   Cercospora leaf spot, Sphaeropsis gall     Liriodendron (Tulip Tree)   Powdery mildew, sooty mold     Liriope (Lilyturf)   Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease     Lobularia (Sweet Alyssum)   Rhizoctonia root rot     Lonicera (Honeysuckle)   Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom     Lipinachia (Loosestrife)   Anthracnose, brown spot, Pythium root rot     Lysimachia (Loosestrife)   Anthracnose, brown spot, Pythium root rot     Lysimachia (Loosestrife)   Bacterial leaf spot, powdery mildew     Malus (Crabapple)   Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab     Malva (Mallow)   Rust     Miscanthus   Blight     Morus (Mulberry)   Berry blight, bacterial leaf blight, bacterial wetwood     Myosotis (Forget-Me-Not)   Web blight     Myrica (Bayberry)   Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot     Myrica (Sepberry)   Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Iris	Botrytis blight, Heterosporium leaf spot, soft rot, viral disease (mosaic)
Juniperus virginiana (Eastern Red Cedar)   Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust   Kalmia (Mountain Laurel)   Botryosphaeria dieback, Cercospora leaf spot   Cagrestroemia (Crape Myrtle)   Leaf spot, powdery mildew, sooty mold     Lantana   Leaf spot, root knot nematode, fusarium wilt     Laurus nobilis (Bay Laurel)   Cercospora leaf spot     Lavandula (Lavender)   Phytophthora root rot, Pythium root rot     Leucothoe (Drooping Leucothoe)   Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot     Ligustrum (Privet)   Anthracnose, Cercospora leaf spot, Phytophthora root rot     Lilium (Lily)   Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)     Limomium (Statice)   Phytophthora root rot, Pythium root rot, Rhizoctonia root rot     Liquidambar (Sweet Gum)   Cercospora leaf spot, Sphaeropsis gall     Liriodendron (Tulip Tree)   Powdery mildew, sooty mold     Liriope (Lilyturf)   Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease     Lobularia (Sweet Alyssum)   Rhizoctonia root rot     Lonicera (Honeysuckle)   Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom     Lipinachia (Loosestrife)   Anthracnose, brown spot, Pythium root rot     Lysimachia (Loosestrife)   Anthracnose, brown spot, Pythium root rot     Lysimachia (Loosestrife)   Bacterial leaf spot, powdery mildew     Malus (Crabapple)   Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab     Malva (Mallow)   Rust     Miscanthus   Blight     Morus (Mulberry)   Berry blight, bacterial leaf blight, bacterial wetwood     Myosotis (Forget-Me-Not)   Web blight     Myrica (Bayberry)   Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot     Myrica (Sepberry)   Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	J	
Kalmia (Mountain Laurel) Botryosphaeria dieback, Cercospora leaf spot  Lagerstroemia (Crape Myrtle) Leaf spot, powdery mildew, sooty mold  Lantana Leaf spot, root knot nematode, fusarium wilt  Laurus nobilis (Bay Laurel) Cercospora leaf spot  Lauvandula (Lavender) Phytophthora root rot. Pythium root rot  Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot  Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)  Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall  Liriodendron (Tulip Tree) Powdery mildew, sooty mold  Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget: Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Juniperus (Juniper)	Kabatina tip blight, Pestalotia dieback, Phytophthora root rot, Pythium root rot, rust
Lagerstroemia (Crape Myrtle) Leaf spot, powdery mildew, sooty mold Lantana Leaf spot, root knot nematode, fusarium wilt Laurus nobilis (Bay Laurel) Cercospora leaf spot Lavandula (Lavender) Phytophthora root rot, Pythium root rot Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, floiar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight Malus (Crabapple) Coniothyrium leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot Myrica (Gayberry) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Juniperus virginiana (Eastern Red Cedar)	Cercospora blight, Kabatina tip blight, Pestalotia blight, Phomopsis tip blight, rust
Lagerstroemia (Crape Myrtle) Leaf spot, powdery mildew, sooty mold Lantana Leaf spot, root knot nematode, fusarium wilt Laurus nobilis (Bay Laurel) Cercospora leaf spot Lavandula (Lavender) Phytophthora root rot, Pythium root rot Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, floiar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight Malus (Crabapple) Coniothyrium leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot Myrica (Gayberry) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	K	
Lantana Leaf spot, root knot nematode, fusarium wilt  Laurus nobilis (Bay Laurel) Cercospora leaf spot  Lavandula (Lavender) Phytophthora root rot, Pythium root rot  Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot  Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)  Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall  Liriodendron (Tulip Tree) Powdery mildew, sooty mold  Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobelia Pythium root rot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot  Mytrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Kalmia (Mountain Laurel)	Botryosphaeria dieback, Cercospora leat spot
Lantana Leaf spot, root knot nematode, fusarium wilt  Laurus nobilis (Bay Laurel) Cercospora leaf spot  Lavandula (Lavender) Phytophthora root rot, Pythium root rot  Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot  Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)  Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall  Liriodendron (Tulip Tree) Powdery mildew, sooty mold  Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobelia Pythium root rot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot  Mytrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lagerstroemia (Crape Myrtle)	Leaf spot, powdery mildew, sooty mold
Laurus nobilis (Bay Laurel)  Cercospora leaf spot  Lavandula (Lavender)  Phytophthora root rot, Pythium root rot  Leucothoe (Drooping Leucothoe)  Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot  Ligustrum (Privet)  Anthracnose, Cercospora leaf spot, Phytophthora root rot  Lilium (Lily)  Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic)  Limomium (Statice)  Phytophthora root rot, Pythium root rot, Rhizoctonia root rot  Liquidambar (Sweet Gum)  Cercospora leaf spot, Sphaeropsis gall  Liriodendron (Tulip Tree)  Powdery mildew, sooty mold  Liriope (Lilyturf)  Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobelia  Pythium root rot, viral disease  Lobularia (Sweet Alyssum)  Rhizoctonia root rot  Lonicera (Honeysuckle)  Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife)  Rhizoctonia root/stem rot, Southern blight  Magnolia  Bacterial leaf spot, powdery mildew  Malus (Crabapple)  Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow)  Rust  Miscanthus  Blight  Morus (Mulberry)  Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not)  Web blight  Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot		
Lavandula (Lavender) Phytophthora root rot, Pythium root rot Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Malus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Laurus nobilis (Bay Laurel)	
Leucothoe (Drooping Leucothoe) Botryosphaeria dieback, Cylindrocladium leaf spot, Phyllosticta leaf spot, Phytophthora root rot Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight Magnolia Bacterial leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	<u> </u>	
Ligustrum (Privet) Anthracnose, Cercospora leaf spot, Phytophthora root rot Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot		
Lilium (Lily) Anthracnose, Botrytis blight, Pythium root rot, viral disease (mosaic) Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobelia Pythium root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot Mytrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot		
Limomium (Statice) Phytophthora root rot, Pythium root rot, Rhizoctonia root rot Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot Myrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot		
Liquidambar (Sweet Gum) Cercospora leaf spot, Sphaeropsis gall Liriodendron (Tulip Tree) Powdery mildew, sooty mold Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease Lobelia Pythium root rot, viral disease Lobularia (Sweet Alyssum) Rhizoctonia root rot Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	<u> </u>	
Liriodendron (Tulip Tree) Powdery mildew, sooty mold  Liriope (Lilyturf) Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease  Lobelia Pythium root rot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot		
Lobelia Pythium root rot, viral disease  Lobularia (Sweet Alyssum) Rhizoctonia root rot  Lonicera (Honeysuckle) Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Liriodendron (Tulip Tree)	Powdery mildew, sooty mold
Lobularia (Sweet Alyssum)  Rhizoctonia root rot  Lonicera (Honeysuckle)  Botryosphaeria dieback, Botrytis blight, Herpobasidium leaf blight, powdery mildew, witches' broom  Lupinus (Lupine)  Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife)  Rhizoctonia root/stem rot, Southern blight  Magnolia  Bacterial leaf spot, powdery mildew  Malus (Crabapple)  Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow)  Rust  Miscanthus  Blight  Morus (Mulberry)  Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not)  Web blight  Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Liriope (Lilyturf)	Anthracnose, foliar nematodes, Mycosphaerella leaf spot, Phytophthora leaf spot, viral disease
Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab Malva (Mallow) Rust Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lobelia	Pythium root rot, viral disease
Lupinus (Lupine) Anthracnose, brown spot, Pythium root rot  Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lobularia (Sweet Alyssum)	Rhizoctonia root rot
Lysimachia (Loosestrife) Rhizoctonia root/stem rot, Southern blight  Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lonicera (Honeysuckle)	
Magnolia Bacterial leaf spot, powdery mildew  Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lupinus (Lupine)	Anthracnose, brown spot, Pythium root rot
MagnoliaBacterial leaf spot, powdery mildewMalus (Crabapple)Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scabMalva (Mallow)RustMiscanthusBlightMorus (Mulberry)Berry blight, bacterial leaf blight, bacterial wetwoodMyosotis (Forget-Me-Not)Web blightMyrica (Bayberry)Botryosphaeria dieback, Phytophthora root rotMyrica cerifera (Wax Myrtle)Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Lysimachia (Loosestrife)	Rhizoctonia root/stem rot, Southern blight
Malus (Crabapple) Coniothyrium leaf spot, fire blight, frog-eye leaf spot, powdery mildew, rust, scab  Malva (Mallow) Rust Miscanthus Blight Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	М	
Malva (Mallow) Rust  Miscanthus Blight  Morus (Mulberry) Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not) Web blight  Myrica (Bayberry) Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle) Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Magnolia	Bacterial leaf spot, powdery mildew
Miscanthus  Blight  Morus (Mulberry)  Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not)  Web blight  Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle)  Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Malus (Crabapple)	$Coniothyrium\ leaf\ spot, fire\ blight, frog-eye\ leaf\ spot, powdery\ mildew, rust, scab$
Morus (Mulberry)  Berry blight, bacterial leaf blight, bacterial wetwood  Myosotis (Forget-Me-Not)  Web blight  Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle)  Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Malva (Mallow)	Rust
Myosotis (Forget-Me-Not)  Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle)  Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Miscanthus	Blight
Myrica (Bayberry)  Botryosphaeria dieback, Phytophthora root rot  Myrica cerifera (Wax Myrtle)  Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Morus (Mulberry)	Berry blight, bacterial leaf blight, bacterial wetwood
Myrica cerifera (Wax Myrtle)  Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot	Myosotis (Forget-Me-Not)	Web blight
	Myrica (Bayberry)	Botryosphaeria dieback, Phytophthora root rot
Myrtle (Myrtus)  Leaf spot, stem rot (Sclerotinia)	Myrica cerifera (Wax Myrtle)	Anthracnose, Botryosphaeria dieback, Phytophthora root rot, Septoria leaf spot
	Myrtle (Myrtus)	Leaf spot, stem rot (Sclerotinia)

Nandina (Heavenly Ramboo) Cercospora leaf spot, Phytophthora root rot, Pythium root rot Narcissus (Daffodil, Jonquil) Pisarium bulb rot & various other fungal bulb rots, leaf spot & blight, virus Nelmbo (Water Lify) Cercospora leaf spot Nerium (Oleander) Leaf spot, anthracnose, bacterial blight, sooty mold Nyssa sylvatica (Black Gum) Anthracnose, Botryosphaeria dieback, leaf spot  Colimum basilicum (Basil) Alternaria leaf spot, Fusarium crown rot Ophiopogom (Mondo Grass) Anthracnose Oxalis (Wood Surrel) Rust, leaf spot, root knot nematode Oxydendrum arboreum (Sourosod) Leaf spot  Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paconia (Peomy) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophbfora blight Phytophshora blight Phytophshora blight Photra (Geranium) Bacterial blight, bacterial leaf spot, bacterial wilt, Botrytis blight, oedema (nutritional), Pythium root rot, rusk, Viral disease Phalaris (Canarygrass) Web blight Photrinis (Ispanese Photnia Red-Tip) Bacterial leaf spot, black root rot, Collectorichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinis (Ispanese Photnia Red-Tip) Bacterial leaf spot, black root rot, Collectorichum stem canker, powdery mildew, Pythium root rot, Rhizoctonia root rot ot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot, Pythium root rot, needle blight, tip blight Pitos (Ispanese Photnia Red-Tip) Bacterial leaf spot, black root rot, Collectorichum stem canker, powdery mildew, Armillaria root rot, Atropellis twig canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothostorman needle blight, Eastern gall rast, Fusform rust, needle cast, needle rast, Phackdopyrus canker, Phytophthora root rot, pinewood nematodes  Pitra (Giapanese Pieris) Botryosphaeria dieback, Powdery mildew Pha	PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
Narcissus (Datfodil, Jonquil)  Piusarium bulb rot & various other fungal bulb rots, leaf spot & blight, virus  Nelumbo (Water Lily)  Cercospora leaf spot  Nerium (Oleander)  Leaf spot, anthracnose, bacterial blight, sooty mold  Nyssa sylvatica (Black Gum)  Anthracnose, Bottryosphaeria dieback, leaf spot  Ocimum basilicum (Basil)  Alternaria leaf spot, Fusarium crown rot  Ophiopogon (Mondo Grass)  Anthracnose  Oxalis (Wood Sorrel)  Rust, leaf spot, root knot nematode  Oxydendrum arboreum (Sourwood)  Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paconia (Peony)  Bottytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthemocissus (Boston Ivy)  Phythostica leaf spot  Parthemocissus (gioston Ivy)  Phythostica leaf spot  Pelargonium (Geranium)  Bacterial blight, bacterial leaf spot, bacteria I wilt, Bottytis blight, oedema (autritional), Pythium root rot, blackig, Rhizoctonia root rot, rust, viral disease  Petunia  Betyrist blight, userum moofcroom rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease.  Web blight  Photnia (Japanese Photinia Red-Tip)  Bacterial leaf spot, black root rot, Colletorichum stem canker, powdery mildew, Armillaria root root, southern blight, viral disease, web blight  Phytophara root root  Price (Spruce)  Cytospora canker, Phytophthora root rot pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris)  Bottyosphaeria dieback, Phomopsis canker, Phytophthora root rot  Armillaria root rot, Armopellis tvig, Easker, Cenangium dieback, Cytospora canker, Diplodia in phytophthora root rot, Armillaria root, Armillaria root rot, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platamus (Sycamoro)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Phaizoctonia stem rot, root knot nematode  Populus (Poplar)  Bottyosphaeria canker, leaf spot  Portulaca (Purslane)  Pori	N	
Nclumbo (Water Lify)  Nerium (Oleander)  Leaf spot, anthracnose, bacterial blight, sooty mold  Nysas sylvatica (Black Gum)  Anthracnose, Botryosphaeria dieback, leaf spot  Commun basilicum (Basil)  Alternaria leaf spot, Fusarium crown rot  Ophiopogom (Mondo Grass)  Anthracnose  Oxalis (Wood Sorrel)  Rust, leaf spot, pythium root rot, southern blight, Volutella blight, virus  Paeonia (Peony)  Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthenocissus (Boston Ivy)  Parthenocissus (Boston Ivy)  Parthenocissus (Boston Ivy)  Parthenocissus (giniquefolia (Virginia Creeper)  Pelargonium (Geranium)  Bacterial blight, bacterial leaf spot, bacteria I wilt, Botrytis blight, oedema (nutritional), Pythium root rot, bakddeg, Rhizoctonia root rot, rust, viral disease  Petunia  Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root rot, rust, viral disease  Petunia  Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root stem rot, viral disease  Phalaris (Canarygrass)  Web blight  Photinia (Japanese Photinia Red-Tip)  Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Prica (Sprace)  Cytospora canker, Phytophthora root rot, Pythium root rot, aeedle blight, tip blight  Photinia (Pine)  Bacterial leaf spot, black root rot, Oletotrichum stem canker, powdery mildew, Armillaria root rot, Armillaria root rot, Pythium root rot, peedle blight, faster ngill rust, Fusiorium rust, needle cast, needle rust, Phacidopyrotia canker, Phytophthora root rot rot, phewood nematodes  Pistacia (Pistache)  Verticillium vilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Phalanus (	Nandina (Heavenly Bamboo)	Cercospora leaf spot, Phytophthora root rot, Pythium root rot
Nerium (Oleander) Leaf spot, anthracnose, bacterial blight, sooty mold  Nyssa sylvatica (Black Gum) Anthracnose, Botryosphaeria dieback, leaf spot  Ocinuum basilicum (Basil) Alternaria leaf spot, Fusarium crown rot  Ophiopogon (Mondo Grass) Anthracnose Oxalis (Wood Sorrel) Rust, leaf spot, root knot nematode  Oxydendrum arboreum (Sourwood) Leaf spot  Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paeonia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthenocissus (Boston Ivy) Phyllosticta leaf spot Parthenocissus (Boston Ivy) Phyllosticta leaf spot Pathenocissus (Granium) Bacterial blight, Sactorial leaf spot, Dacteria I wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora toot/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/sem rot, viral disease Phalaris (Canarygrass) Web blight Photo Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Prims (Pine) Armillaria root rot, Armillaria root rot, Pythium root rot, powdery mildew, Armillaria root rot Prims (Pine) Armillaria root rot, Artopellis tvig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, tastern gall rust, Tusiform rust, needle cast, needle rust, Phatanus (Sycamore) Anthracnose, Bac	Narcissus (Daffodil, Jonquil)	Fusarium bulb rot & various other fungal bulb rots, leaf spot & blight, virus
Nyssa sylvatica (Black Gum)  Anthracnose, Botryosphaeria dieback, leaf spot  Ocinum hasilicum (Basil)  Alternaria leaf spot, Fusarium crown rot  Ophiopogon (Mondo Grass)  Anthracnose  Oxalis (Wood Sorrel)  Rust, leaf spot, root knot nematode  Oxydendrum arboreum (Sourwood)  Leaf spot  Pachysandra  Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paconia (Peony)  Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthenocissus (Boston Ivy)  Phyllostica leaf spot  Parthenocissus quinquefolia (Virginia Creeper)  Downy mildew, Leaf spot  Pelargonium (Geranium)  Bacterial blight, bacterial leaf spot, bacterial wilt, Botrytis blight, oedema (nutritional), Pythium root rot, bakkleg, Rhizoctonia root for, trust, virial disease  Petunia  Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass)  Web blight  Phlox  Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, iyari al disease, web blight  Photinia (Iapanese Photinia Red-Tip)  Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot, Colletotrichum stem canker, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot, Colletotrichum root rot, needle blight, ip blight  Pitris (Iapanese Pitris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot, petholia ip blight, Dotrichum with root rot, Artopellis twig canker, Cenangium dieback, Cytospora canker, Diplodia ip blight, Dotrichistorom a needle blight. Eastern gall rust, Eusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Patanus (Sycamore)	Nelumbo (Water Lily)	Cercospora leaf spot
Ociniom basilicum (Basil) Alternaria leaf spot, Fusarium crown rot Ophiopogon (Mondo Grass) Anthracnose Oxalis (Wood Sorrel) Rust, leaf spot, root knot nematode Oxydendrum arboreum (Sourwood) Leaf spot  Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paconia (Peomy) Botyris blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phyloshicar blight, Leaf spot  Parthenocissus quinquefolia (Virginia Creeper) Downy mildew, kaf spot  Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacteria I wilt, Botrytis blight, oedema (nutritional), Pythium root rot, backleg, Rhizoctonia root rot, rust, viral disease  Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass) Web blight  Phlox Bacterial leaf spot, black root rot, Collectorichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot, Cleletorichum stem canker, powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot  Physocarpus (Ninebark) Powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Armillaria root rot  Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pitris (Japanese Picris) Botryosphaeria dicback, Phomopsis canker, Phytophthora root rot  Phacilloprincis canker, Phytophthora root rot, pinereod nematodes  Pitris (Pistache) Verticillium will  Palanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Phacidophoris canker, Phytophthora root rot, pinereod nematodes  Populus (Po	Nerium (Oleander)	Leaf spot, anthracnose, bacterial blight, sooty mold
Ocimum basilicum (Basil) Alternaria leaf spot, Fusarium crown rot Ophiopogon (Mondo Grass) Anthracnose Oxalis (Wood Sorrel) Rust, leaf spot, root knot nematode Oxydendrum arboreum (Sourwood) Leaf spot Pachysandra Leaf spot Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus Paeonia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phylophthora blight Parthenocissus quinquefolia (Virginia Creeper) Downy mildew, leaf spot Pelargonium (Geranium) Botrytis blight, Bacterial leaf spot, bacteria I wilt, Botrytis blight, oedema (nutritional), Pythium root rot, tpakkey, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythiam crown/root rot, Rhizoctonia root/stem rot, viral disease Phalaris (Canarygrass) Web blight Photo Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Pricea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Prinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gull rust, Fusiform rust, needle cast, needle rust, Phacidiopyenis, canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Phytophono (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot Populus (Poplar) Botryosphaeria canker, leaf spot	Nyssa sylvatica (Black Gum)	Anthracnose, Botryosphaeria dieback, leaf spot
Ophiopogon (Mondo Grass) Anthracnose Oxalis (Wood Sorrel) Rust, leaf spot, root knot nematode Oxydendrum arboreum (Sourwood) Leaf spot Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus Paconia (Peony) Botryis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phyllostita leaf spot Parthenocissus quinquefolia (Virginia Creeper) Petlargonium (Geranium) Bacterial blight, bacterial leaf spot, bacteria l wilt, Botrytis blight, cedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botryis blight, Fusarium root/crown rot rot, rust, viral disease Phalaris (Canarygrass) Web blight Photox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium roow rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern agal rust, Fusiform rust, needle cast, needle rust, Phylandiforyenic canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot Populus (Poplar) Botryosphaeria canker, leaf spot Portullac (Cinquefoil) Foliar nematodes, rust	•	
Oxalis (Wood Sorrel) Rust, leaf spot, root knot nematode Oxydendrum arboreum (Sourwood) Leaf spot Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus Paeonia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phyllosticta leaf spot Parthenocissus quinquefolia (Virginia Creeper) Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacterial wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium roown/root rot, Rhizoctonia root/stem rot, viral disease Phalaris (Canarygrass) Web blight Phlox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root tor Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picca (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusform rust, needle cast, needle rust, Phatacidopycnis canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot Populus (Poplar) Botryosphaeria canker, leaf spot	Ocimum basilicum (Basil)	Alternaria leaf spot, Fusarium crown rot
Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paeonia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthenocissus (Boston Ivy) Phyllosticta leaf spot  Parthenocissus quinquefolia (Virginia Creeper) Downy mildew, leaf spot  Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacteria I wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease  Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass) Web blight  Phlox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot  Picca (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pheris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine) Armillaria root rot, pedle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt  Platanus (Sycamore) Anthracose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Phatycodon (Balloon Flower) Rhizoctonia crown rot  Populus (Poplar) Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Ophiopogon (Mondo Grass)	Anthracnose
Pachysandra Leaf spot, Pythium root rot, southern blight, Volutella blight, virus  Paconia (Peony) Botrytis blight, Corcospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight  Parthenocissus (Boston Ivy) Phyllostica leaf spot  Parthenocissus (Goston Ivy) Phyllostica leaf spot  Parthenocissus (Goston Ivy) Phyllostica leaf spot  Parthenocissus (Goston Ivy) Downy mildew, leaf spot  Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacterial i wilt, Botrytis blight, oedema (nutritional), Pythium root rot, Ibackleg, Rhizoctonia root rot, rust, viral disease  Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass) Web blight  Photo Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot  Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot, Phacidiopycnis canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt  Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower) Rhizoctonia crown rot  Polygonatum (Solomon Seal) Penicillium rot  Populus (Poplar) Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potulaca (Purslane) Foliar nematodes, rust	Oxalis (Wood Sorrel)	Rust, leaf spot, root knot nematode
Paconia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phyllosticta leaf spot Downy mildew, leaf spot Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacterial a wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease Phalaris (Canarygrass) Web blight Pholox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, tropellis twig canker, Cenangium dieback, Cytospora canker, Phatophibora needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phatodiopycnis canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Populus (Poplar) Botryosphaeria canker, leaf spot Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode Potentilla (Cinquefoil) Foliar nematodes, rust	Oxydendrum arboreum (Sourwood)	Leaf spot
Paconia (Peony) Botrytis blight, Cercospora leaf spot, Cladosporium leaf/stem blotch, Rhizoctonia root rot, Phytophthora blight Parthenocissus (Boston Ivy) Phyllosticta leaf spot Downy mildew, leaf spot Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacterial a wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease Phalaris (Canarygrass) Web blight Pholox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, tropellis twig canker, Cenangium dieback, Cytospora canker, Phatophibora needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phatodiopycnis canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Populus (Poplar) Botryosphaeria canker, leaf spot Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode Potentilla (Cinquefoil) Foliar nematodes, rust	P	
Phytophthora blight Parthenocissus (Boston Ivy) Phyllosticta leaf spot Parthenocissus quinquefolia (Virginia Creeper) Pelargonium (Geranium) Bacterial blight, bacterial leaf spot, bacteria l wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease Phalaris (Canarygrass) Web blight Phlox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot Populus (Poplar) Botryosphaeria canker, leaf spot Portulaca (Purslane) Potulaca (Purslane) Poliar nematodes, rust	Pachysandra	Leaf spot, Pythium root rot, southern blight, Volutella blight, virus
Parthenocissus quinquefolia (Virginia Creeper)  Pelargonium (Geranium)  Bacterial blight, bacterial leaf spot, bacteria l wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease  Petunia  Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass)  Web blight  Phlox  Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip)  Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Picea (Spruce)  Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine)  Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Populus (Poplar)  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Potentilla (Cinquefoil)  Foliar nematodes, rust	Paeonia (Peony)	
Pelargonium (Geranium)  Bacterial blight, bacterial leaf spot, bacterial wilt, Botrytis blight, oedema (nutritional), Pythium root rot, blackleg, Rhizoctonia root rot, rust, viral disease  Petunia  Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass)  Web blight  Phlox  Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip)  Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot tot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Picea (Spruce)  Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine)  Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Populus (Poplar)  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Parthenocissus (Boston Ivy)	Phyllosticta leaf spot
Petunia Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass) Web blight  Phlox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot  Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt  Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower) Rhizoctonia crown rot  Polygonatum (Solomon Seal) Penicillium rot  Populus (Poplar) Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Parthenocissus quinquefolia (Virginia Creeper)	Downy mildew, leaf spot
Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease  Phalaris (Canarygrass)  Web blight  Phlox  Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip)  Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Picea (Spruce)  Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine)  Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Populus (Poplar)  Botryosphaeria canker, leaf spot  Potentilla (Cinquefoil)  Foliar nematodes, rust	Pelargonium (Geranium)	
Phlox Bacterial leaf spot, black root rot, Colletotrichum stem canker, powdery mildew, Pythium root rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip) Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot rot  Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot  Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt  Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower) Rhizoctonia crown rot  Polygonatum (Solomon Seal) Penicillium rot  Populus (Poplar) Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Petunia	Botrytis blight, Fusarium root/crown rot, Phytophthora root/crown rot and foliage blight, Pythium crown/root rot, Rhizoctonia root/stem rot, viral disease
rot, southern blight, viral disease, web blight  Photinia (Japanese Photinia Red-Tip)  Bacterial blight, Botryosphaeria canker, Entomosporium leaf spot, powdery mildew, Armillaria root rot  Physocarpus (Ninebark)  Powdery mildew, Rhizoctonia root rot  Picea (Spruce)  Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight  Pieris (Japanese Pieris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Pinus (Pine)  Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Populus (Poplar)  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Phalaris (Canarygrass)	Web blight
Physocarpus (Ninebark) Powdery mildew, Rhizoctonia root rot Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot Populus (Poplar) Botryosphaeria canker, leaf spot Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode Potentilla (Cinquefoil) Foliar nematodes, rust	Phlox	
Picea (Spruce) Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight Pieris (Japanese Pieris) Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot Polygonatum (Solomon Seal) Penicillium rot  Populus (Poplar) Botryosphaeria canker, leaf spot Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode Potentilla (Cinquefoil) Foliar nematodes, rust	Photinia (Japanese Photinia Red-Tip)	
Pieris (Japanese Pieris)  Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot  Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Physocarpus (Ninebark)	Powdery mildew, Rhizoctonia root rot
Pinus (Pine) Armillaria root rot, Atropellis twig canker, Cenangium dieback, Cytospora canker, Diplodia tip blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache) Verticillium wilt  Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower) Rhizoctonia crown rot  Polygonatum (Solomon Seal) Penicillium rot  Populus (Poplar) Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Picea (Spruce)	Cytospora canker, Phytophthora root rot, Pythium root rot, needle blight, tip blight
blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust, Phacidiopycnis canker, Phytophthora root rot, pinewood nematodes  Pistacia (Pistache)  Verticillium wilt  Platanus (Sycamore)  Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew  Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Populus (Poplar)  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Pieris (Japanese Pieris)	Botryosphaeria dieback, Phomopsis canker, Phytophthora root rot
Platanus (Sycamore) Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew Platycodon (Balloon Flower) Rhizoctonia crown rot  Polygonatum (Solomon Seal) Penicillium rot  Botryosphaeria canker, leaf spot  Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Pinus (Pine)	blight, Dothiostroma needle blight, Eastern gall rust, Fusiform rust, needle cast, needle rust,
Platycodon (Balloon Flower)  Rhizoctonia crown rot  Polygonatum (Solomon Seal)  Penicillium rot  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Pistacia (Pistache)	Verticillium wilt
Polygonatum (Solomon Seal)  Penicillium rot  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Platanus (Sycamore)	Anthracnose, Bacterial scorch, Botryosphaeria dieback, powdery mildew
Populus (Poplar)  Botryosphaeria canker, leaf spot  Portulaca (Purslane)  Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil)  Foliar nematodes, rust	Platycodon (Balloon Flower)	Rhizoctonia crown rot
Portulaca (Purslane) Rhizoctonia stem rot, root knot nematode  Potentilla (Cinquefoil) Foliar nematodes, rust	Polygonatum (Solomon Seal)	Penicillium rot
Potentilla (Cinquefoil) Foliar nematodes, rust	Populus (Poplar)	Botryosphaeria canker, leaf spot
· · · · · · · · · · · · · · · · · · ·	Portulaca (Purslane)	Rhizoctonia stem rot, root knot nematode
Pratia Southern blight	Potentilla (Cinquefoil)	Foliar nematodes, rust
	Pratia	Southern blight

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
P (continued)	
Primula (Primrose)	Leaf spot, Pythium and Rhizoctonia root/stem rot
Prunus (Flowering Apricot/Cherry/Peach/ Plum)	Bacterial blossom blight, bacterial leaf spot, bacterial shot hole, bacterial scorch, black knot, blossom blight/ brown rot, Cytospora canker, Nectria canker, peach leaf curl, Phomopsis canker, white rot
Prunus laurocerasus (Cherry Laurel)	Anthracnose, bacterial leaf spot, bacterial shot hole, Botryosphaeria dieback, Phomopsis dieback, leaf spots, Phytophthora root rot, Pythium root rot, zonate leaf spot
Pseudotsuga (Douglas Fir)	Botryosphaeria canker, Swiss needle cast
Pyracantha (Firethorn)	Botryosphaeria dieback, fire blight, Phomopsis dieback, scab
Pyrus calleryana (Flowering Pear)	Botryosphaeria canker, Entomosporium leaf spot, fire blight, rust
Q	
Quercus (Oak)	Anthracnose, Armillaria root rot, bacterial scorch, bacterial wetwood, Botryo-sphaeria canker, Cylindrocladium root rot, Discula anthracnose, Hypoxylon canker, leaf blister, Phomopsis dieback, powdery mildew, rust, smooth patch, spot anthracnose, Tubakia leaf spot
Ranunculus (Buttercup)	Dactorial blight was blight vival disasse (massis) Voutivillium vilt
<u> </u>	Bacterial blight, web blight, viral disease (mosaic), Verticillium wilt
Rhaphiolepis (Indian Hawthorn)	Entomosporium leaf spot
Rhododendron (Azalea)	Anthracnose, Armillaria root rot, Botryosphaeria dieback, Botrytis blight, Cercospora leaf spot, Colletotrichum leaf spot, leaf and flower gall, lesion nematodes, oedema (nutritional), Pestalotia leaf spot, petal blight, Phomopsis dieback, Phyllosticta leaf spot, Phytophthora dieback Phytophthora root/stem rot, powdery mildew, web blight
Rhus (Sumac)	Verticillium wilt, Bot canker & dieback, powdery mildew, root rot
Rosa (Rose)	Anthracnose, black spot, Botryosphaeria dieback, Botrytis blight, crown gall, downy mildew, Phomopsis Canker, powdery mildew, Pythium root rot, rose rosette disease, viral disease
Rosmarinus (Rosemary)	Botrytis blight, crown gall, Phytophthora root rot, Pythium root rot
Rudbeckia (Black-Eyed Susan)	Pythium root rot, Rhizoctonia stem rot, Septoria leaf spot
Sagittaria (Arrowhead)	Leaf spot, leaf smut
Salix (Willow)	Armillaria root rot, Botryosphaeria dieback, Botrytis blight, black canker, Cercospora leaf spot, crown gall, rust, scab, white rot
Salvia	Bacterial leaf spot, downy mildew, Pythium root rot, Rhizoctonia stem rot, Botrytis blight
Sansevieria (Snake Plant)	Bacterial soft rot, leaf spots, root knot nematode, Fusarium rot
Scabiosa (Pincushion Flower)	Botrytis blight
Schefflera (Umbrella Tree)	Oedema (nutritional), Pythium root rot
Sedum (Stone Crop)	Anthracnose, bacterial soft rot, bacterial stem rot, Diplodia stem rot, leaf spot, Phytophthora stem rot, Pythium root rot, Rhizoctonia stem/root rot, root knot nematodes, web blight
Setcreasia (Purple Heart)	Leaf spot
Solidago (Goldenrod)	Rust, powdery mildew, leaf spot
Spiraea	Leaf spot
Styrax (Silverbell)	Leaf spot
Syringa (Lilac)	Anthracnose, bacterial blight, Botrytis blight, Cercospora leaf spot, Phytophthora root rot, powdery mildew

PLANT SCIENTIFIC NAME (COMMON NAME)	DISEASES
Т	
Tagetes (Marigold)	Alternaria blight, Botrytis blight, crown gall, Fusarium stem/root rot, Pythium root rot, Rhizoctonia stem rot
Taxus (Yew)	Botryosphaeria dieback, Phytophthora root rot
Thuja (Arborvitae)	Armillaris root/stem rot, Cytospora canker, Kabatina tip blight, Phomopsis twig/ needle blight, Phytophthora root rot, Pythium root rot, Seiridium twig canker, web blight, Diplodia canker/ dieback
Thymus (Thyme)	Pythium root rot
Tilia (Linden)	Spot anthracnose, white rot
Tradescantia virginica (Spiderwort)	Southern blight
Tsuga (Hemlock)	Armillaria root rot, damping-off, rust
Tulipa (Tulip)	Botrytis blight, Fusarium basal rot, bulb rot (various fungi), virus color breaking
U	
Ulmus (Elm)	Bacterial wetwood, bacterial leaf scorch, Botryosphaeria canker, Cytospora canker, Dutch elm disease, Verticillium wilt
V	
Verbena (Vervain)	Powdery mildew, Pythium root rot, bacterial wilt
Veronica (Speedwell)	Phytophthora root rot, rust, powdery mildew
Viburnum (Snowball Bush)	Spot anthracnose, bacterial scorch, Botryosphaeria dieback, Botrytis blight, phoma leaf spot, Phytophthora root rot, Rhizoctonia root rot
Vinca minor (Periwinkle)	Oedema (nutritional), Phoma dieback, Phomopsis dieback, Phyllosticta stem rot/ leaf spot, Pythium root rot, Rhizoctonia root rot, Southern blight, Botrytis blight
Viola (Pansy)	Anthracnose, black root rot, Botrytis blight, Cercospora leaf spot, Phytophthora root/crown rot, Pythium root/crown rot
W	
Weigala	Phytophthora root rot, Pythium root rot
Wisteria	Botryosphaeria dieback
Υ	
Yucca	Bacterial soft rot, Mycosphaerella leaf spot
Z	
Zinnia	Alternaria blight, bacterial leaf spot, Botrytis stem canker, powder mildew, Pythium root rot