

Bringing out the best in

LANDSCAPE MANAGEMENT

Product Guide

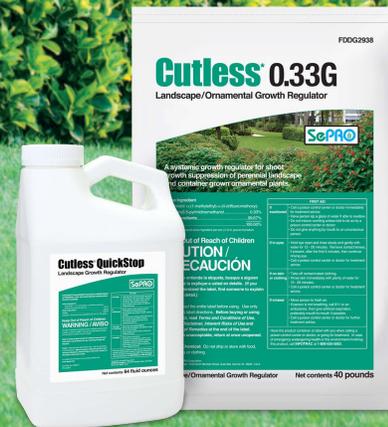


Rely on the experts

Vision. Science. Solutions. SePRO is dedicated to providing effective, innovative, dependable solutions for landscape managers. The SePRO landscape solution portfolio described in this booklet includes high-quality plant growth regulators, broad-spectrum fungicides and insecticides, and Octane Herbicide. We are driven by your success. Let our portfolio help you get there.

For more information about the solutions included in this guide, please contact your SePRO Technical Specialist or call **1-800-419-7779**.

Unlock the
Ultimate Labor-
Saving Tools



Edgeless® Turf Growth Regulator

Don't Trim Your Profits.

Edgeless integrates the patented synergy of two turf growth regulators to control growth and reduce string trimming requirements of warm- and cool-season turfgrasses. Edgeless is applied as a 6-inch banded application wherever repeated string trimming or edging of turfgrass is required. Proper application of Edgeless can result in up to 8 weeks of growth control greatly reducing the need for string trimming, resulting in improved profitability by reducing labor and fuel costs.

Features	Benefits
Reduces frequency of trimming	Less time string trimming means more available labor for other revenue creating jobs
Alternative to unsightly herbicide applications	Edgeless does not cause turf to turn off-color, similar to herbicide applications
Endless use sites	Reduce trimming around fence posts, lamps, driveways, sidewalks, bed edges, gravestones, retaining walls

Where can Edgeless be used?

Edgeless can be applied to perennial turfgrasses along the perimeter of lawns, perennial landscape beds, sidewalks, curbs, parking lots, driveways, posts, mailboxes, building structures, gravestones, fences, and around the base of trees and other similar areas. Edgeless can be used to slow the growth of most warm- and cool-season turfgrasses.



Landscape beds



Edgeless Turf Growth Regulator integrates the patented synergy of two turf growth regulators to reduce string trimming requirements of warm- and cool-season turfgrasses. Less trimming means more labor is available for other revenue creating jobs.



Fences



Gravestones



Sidewalks

Cutless® Granular Landscape Growth Regulator

Less Labor. More Profit.

Cutless Granular is formulated to provide consistent performance, unmatched plant safety, and systemic activity—a combination only found in Cutless Granular.

The SePRO proprietary active ingredient in Cutless Granular, flurprimidol, is root absorbed and distributed evenly throughout the plant via water movement. Once inside, flurprimidol systemically inhibits gibberellic acid (GA) biosynthesis—the plant hormone responsible for cell elongation and expansion—ensuring consistent regulation.

Features	Benefits
Systemic	Flurprimidol is root absorbed and distributed evenly throughout the plant via water movement
Broad-spectrum	Effectiveness on a wide range of species ensures consistent regulation across your landscape
Long-lasting	Several months of regulation following application means fewer applications for better results
Promotes flowering	Some species will increase flowering following application, improving beauty of the landscape
Cost effective	Research has demonstrated shoot growth can be reduced up to 70% and green waste reduced up to 60%
Forgiving	Flurprimidol phytotoxicity potential is low. You don't have to sacrifice plant appearance for growth regulation
Residue Free	No unsightly residue remains on the leaf surface following application. In addition, worker exposure is minimized
Unique activity	Cutless Granular is the only granular, systemic, landscape growth regulator for small to medium sized landscape ornamentals

Application is simple



1. Rate

Select the rate specific to the target plants.



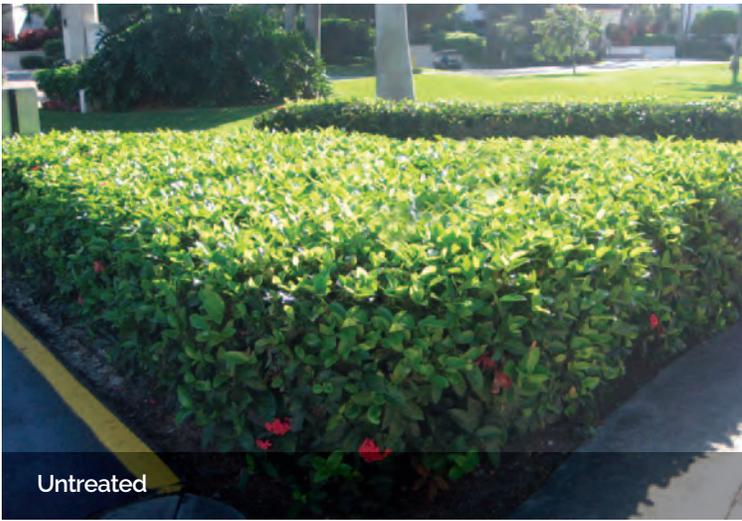
2. Treat

Apply the correct amount of Cutless Granular to the target area.



3. Water

Water-in with at least ½" of irrigation, or rainfall.



Untreated



Treated (Note enhanced flowering)



With Cutless Granular, generate more profit by reducing trimming and your overall labor expenses

Cutless QuickStop™

Landscape Growth Regulator



Stop Plants in Their Tracks.

Cutless QuickStop is a foliar landscape plant growth regulator that reduces trimming requirements 30 - 70% and improves aesthetic appeal of landscapes. Cutless QuickStop works rapidly to suppress terminal growth in established ornamental plants, leading to more compact growth that requires less trimming. Additionally, treated plants will demonstrate darker green foliage. Cutless QuickStop saves labor and beautifies landscapes.

Features	Benefits
Fast-acting	Immediate reduction in trimming labor
Broad-spectrum	Effective on a wide range of species ensures consistent regulation across your landscape
Long-lasting	Several months of regulation means fewer applications for better results
Cost Effective	Save 30 - 70% on trimming labor
Forgiving	Low phytotoxicity potential—you don't have to sacrifice plant appearance
Residue Free	No unsightly residue following application



Japanese Privet (*Ligustrum japonicum*) 51 days after Cutless QuickStop application.

Cutless Shrub and Tree Sculptor™

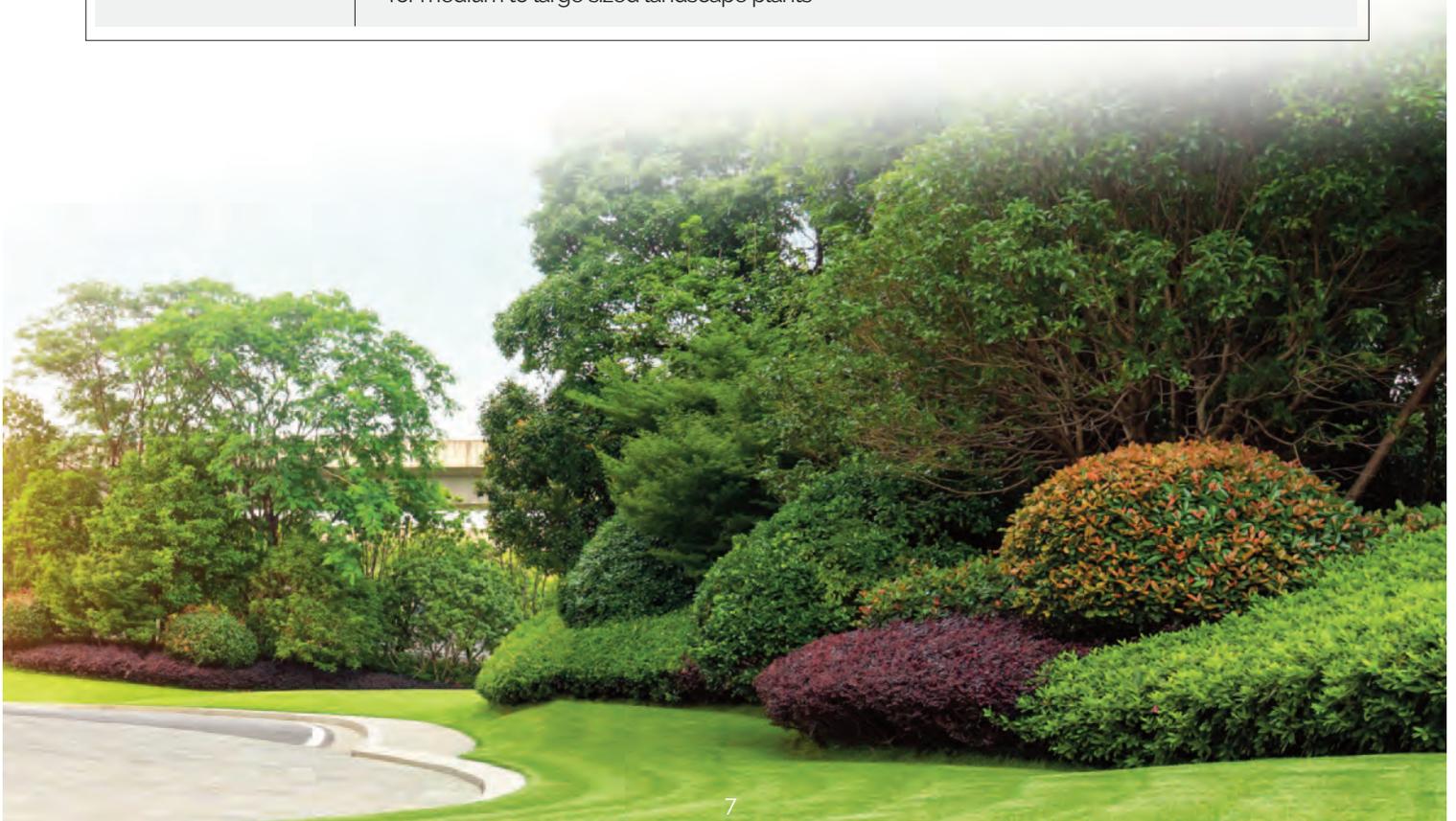
Landscape Growth Regulator



Labor in a Bucket.

Cutless Shrub and Tree Sculptor (Cutless STS) is the strongest granular growth regulator available, giving it the ability to regulate those tough-to-manage large shrubs/hedges and small trees. Trimming large plants are the most expensive and dangerous. Cutless STS reduces the need to trim up to 70% for an entire year (or more) with one application. The mode-of-action also promotes improved plant health and quality, leading to pristine-looking landscapes.

Features	Benefits
Systemic	Root absorbed and distributed evenly throughout a plant via water movement
Broad-spectrum	Effective on a wide range species ensures consistent regulation of large woody species
Long-lasting	1 application per year means less skilled labor for better results
Promotes Flowering	Increase flowering following application, improving beauty of the landscape
Cost Effective	Save 30 - 70% on trimming labor
Forgiving	Low phytotoxicity potential. You don't have to sacrifice plant appearance
Unique Activity	Cutless Shrub and Tree Sculptor is the only granular, systematic, landscape growth regulator for medium to large sized landscape plants



Profile[®] Tree Growth Regulator

What is Profile?

Profile is a plant growth regulator used by professional arborists and utility foresters for management of tree shoot growth and reduction of biomass. Profile may suppress "dbh" growth, or diameter at breast height, which benefits trees growing in municipal vaults and other confined areas. Profile also offers potential therapy for trees in mild decline.

- With one treatment of Profile, vegetative growth is generally reduced by 40 - 60% over a three-year period, depending on the species. Delivering extend pruning cycles that maintain pruning work longer.
- Increased fine root density in oak, elm and maple trees, which can be beneficial to trees in mild decline,
- The re-allocation of resources to defense and storage may allow trees treated with Profile to better handle drought, heat and pollution.

Reduced Growth, Improved Resistance

The active ingredient in Profile is a xylem mobile plant growth regulator which inhibits the production of gibberellic acid, slowing vegetative growth and allowing the tree to re-allocate resources toward enhancing its roots, defensive, storage and reproductive systems. This reduces the volume of biomass that must be removed from trees when trimming occurs and extends the trimming cycle.



Much of the energy of a tree is directed towards growth, and the rate of growth is directly related to the rate of energy use. Fast growing trees tend to have shorter lives than trees that grow slowly and can allocate more energy away from the canopy. Profile slows a tree's growing process, possibly extending the life of healthy trees while serving as an effective preventive or rehabilitative treatment for trees growing in stressful conditions.



Octane® Herbicide

Speed up your broadleaf weed control with Octane.

Octane is a simple, economical to solution to faster weed control. Best applied on a sunny day, weeds sprayed with Octane show visual herbicidal symptoms within 24 - 48 hours. Emerged weeds are quickly killed, providing instant customer satisfaction. Octane is also safe to use on recently seeded turf.

Features	Benefits
Increased speed of kill	Instantly satisfied customers
Labeled for use on cool- and warm-season turf	Excellent turf safety for locations with multiple turf species
Very short half-life	No limitation to turf establishment after application
Rainfast in 1 hour	Little chance for interference from weather or irrigation
Low vapor pressure	No movement to non-target areas
Low use rate	Lower environmental impact
Effective in all climates	No temperature restrictions, hot or cold



Three days after treatment, untreated plots (left) showed no visual injury. Plants treated with 3-Way herbicide (top right) show some early visual signs of herbicide injury, while those treated with the combination of 3-Way plus Octane (bottom right) show very advanced stages of herbicide injury.

Junction[®] Fungicide/Bactericide

A Powerful Combination.

Junction Fungicide/Bactericide is extremely versatile, providing excellent control of a broad-spectrum of fungal and bacterial pathogens. The two active ingredients—mancozeb and copper hydroxide—work together to deliver maximum plant protection. Junction is available in water-soluble packets making it easy to handle, mix and apply.

Features	Benefits
Superior formulation	Easy to handle and is easy on spray equipment
Low risk of resistance	Great tool to incorporate into any IPM program
Broad-spectrum disease control	Eliminate multiple diseases as well as algae utilizing a single product
Very fine particle size	Maximizes leaf surface coverage for increased plant protection

Junction Quick Facts	
Use Sites	Greenhouses/Shadehouses, Outdoor Nurseries, Landscape Plantings, Forest Conifers Non-bearing Fruit Trees and Vines
Pests Controlled	Bacterial Pathogens: <i>Erwinia</i> spp., <i>Pseudomonas</i> spp., <i>Xanthomonas</i> spp., Bacterial Leaf Blight/Spot Fungal Pathogens: Alternaria, Anthracnose, Black Spot, <i>Botrytis</i> Blight, <i>Cercospora</i> Leaf Blight/Spot, Dothistroma Needle Blight, Downy Mildew, Leaf Spots, Needlecasts, Phytophthora Dieback, Powdery Mildew, Rust, Scab
Recommended Rate	1.5 - 3.5 lbs. per 1,000 ft ²
Application	Spray
Restricted-Entry Interval (REI)	48 hours
Active Ingredient	Copper Hydroxide and Mancozeb
Mode of Action (Chemical Group)	Multi-site activity (M1 & M3)

Obtego® Fungicide and Plant Symbiont

Always Active. Never Lazy.

Obtego Fungicide and Plant Symbiont serves as a multi-functional tool for growers by protecting the plant from damaging soil-borne pathogens and enhancing root growth.

Obtego contains two unique fungi-based active ingredients. The two species combine to form a powerful fungicide that is effective in a wide range of soil and environmental conditions. Obtego is highly effective against diseases such as *Pythium* spp., *Phytophthora* spp., *Rhizoctonia* spp. and more.

Obtego and plant roots live in a mutually beneficial symbiosis. As Obtego colonizes the root system, the Obtego fungi promote competition and parasitism of plant damaging pathogens in the soil. In return, Obtego stimulates development of a robust root system. The end result is a healthy, high quality plant.



Features	Benefits
Biofungicide with efficacy comparable to traditional chemistries	Reduced human and environmental risk with excellent disease control
Broad use sites	One product for indoor and outdoor use
Multiple modes of action	Minimal risk of resistance
4-hr REI and 0-day PHI	Minimal interference with daily operations
Compatible with most fungicides	Seamless integration into any IPM program
Significant root enhancement	Substantial plant quality improvement
OMRI listed	Registered for organic use

Obtego Quick Facts	
Use Sites	Greenhouses/Shadehouses, Outdoor Nurseries, Greenhouse Vegetables, Fruits and Herbs, Landscape Plantings, Interiorscapes, Christmas Trees, Turf
Pests Controlled	<i>Pythium</i> spp., <i>Phytophthora</i> spp., <i>Rhizoctonia solani</i> , <i>Sclerotinia</i> spp., <i>Fusarium</i> spp., <i>Sclerotium rolfii</i> , <i>Verticillium dahlia</i> , <i>Armillaria mellea</i> , <i>Thielaviopsis basicola</i>
Recommended Rate	Dip: 0.25 - 2lbs./gal; Substrate mix: 0.5 - 1.5 lbs./cubic yard; Chemigation: 2.5 - 5 lbs./A; Drench: 2.5 - 7.5 oz./100 gal.
Pre-Harvest Interval (PHI)	0
Restricted-Entry Interval (REI)	0/4
Active Ingredient	<i>Trichoderma asperellum</i> strain ICC 080; <i>Trichoderma gamsii</i> strain ICC 012
Mode of Action (FRAC Group)	Multi MoAs (BM02)

Akari[®] Miticide/Insecticide

Stop the Damage Immediately.

Akari's unique, immediate "stop-feeding action" not only stops further crop damage, but also inhibits oviposition. The immediate stop-feed prevents mites and insects from further eating away at your profits before they die out completely 4 - 7 days later. While Akari is active on all life stages, it is especially effective on the plant damaging larvae, nymph and adult stages. Akari provides long residual action of 21 - 28 days, making it a powerful and convenient addition to your IPM program. As a contact solution, thorough spray coverage is essential to obtain desirable control.

Features	Benefits
Immediate stop-feed	Prevents further damage to crops and reduces vector-transmitted diseases and viruses
Broad-spectrum activity	Provides a failsafe for misidentified mite species and infestations of multiple mite species
Excellent crop safety on vegetables and ornamentals	Spray your vegetables and ornamentals with the same tank
Active on all life stages	Complete eradication results in a true mite-free environment
EPA Reduced Risk Certified	Less risk to human health and the environment than other miticides such as abamectin and pyridaben

Akari Quick Facts	
Use Sites	Greenhouses/Shadehouses, Outdoor nurseries, Greenhouse Tomatoes and Cucumbers, Plantscapes, Interiorscapes, Christmas trees, Nonbearing Fruit Trees and Vines
Pests Controlled	Mites (Spider Mites, Tarsonemid Mites, Eriophyid Mites), Mealybugs, Whiteflies, Psyllid
Life Stages Controlled	Eggs, Immatures and Adults
Recommended Rate	16 - 32 fl. oz. per 100 gallons
Application	Spray
Restricted-Entry Interval (REI)	12 hours
Active Ingredient	Fenpyroximate
Mode of Action (Chemical Group)	METI Acaricide (21)

Hachi-Hachi® SC Insecticide

Changing the Game in Insect Management.

The improved Hachi-Hachi SC Insecticide provides the same outstanding broad-spectrum control with exceptional crop safety. Hachi-Hachi SC is highly efficacious on thrips, aphids, leafhoppers, lepidopteran and coleopteran insects, scale, mealybugs and whiteflies. All life stages of target insects exposed to Hachi-Hachi SC via contact or ingestion are controlled. Additionally Hachi-Hachi SC demonstrates exceptional fungistatic activity against powdery and downey mildew.

Features	Benefits
Superior broad-spectrum efficacy	A much needed additional tool to battle troublesome pests
Unique chemistry for thrips control	Strengthens an IPM program to reduce the risk of resistance development
Improved formulation	Significantly enhanced plant safety and reduced odor
Active on all life stages	One spray controls eggs, immatures and adults
Mildew suppression	Insect control and disease suppression in one
No known resistance or cross resistance	

Hachi-Hachi SC Quick Facts	
Use Sites	Greenhouses/Shadehouses, Outdoor Nurseries, Landscape Plantings, Christmas Trees, Non-bearing Fruit and Nut Trees, and Vines
Pests Controlled	Aphids, Coleoptera Leafhoppers, Lepidoptera, Mealybugs, Scale, Thrips (including Western Flower), Whiteflies, Powdery mildew, Downy mildew
Life Stages Controlled	Eggs, Immatures and Adults
Recommended Rate	Indoor: 14 - 32 fl. oz. per 100 gallons Outdoor: 14 - 27 fl. oz. per 100 gallons
Application	Spray
Restricted-Entry Interval (REI)	12 hours
Active Ingredient	Tolfenpyrad
Mode of Action (Chemical Group)	METI (21A) - IRAC Pyrazole - MET1 (39) - FRAC



Ornazin® Botanical Insecticide

The Natural Choice.

The active ingredient in Ornazin Botanical Insecticide, azadirachtin, is a natural limonoid extracted from the seeds of the tropical Neem tree. This natural compound acts as a powerful insect growth regulator, antifeedant and repellent. Ornazin inhibits the production of the key molting hormone, ecdysone. In the absence of ecdysone, insects are unable to properly molt/pupate, leading to death.

Combine Ornazin's broad-spectrum activity with its gentleness to beneficials and it becomes a perfect component of a IPM program.

Features	Benefits
Broad-spectrum insect control	Clean up multiple insect pests with one spray
Gentle to beneficials	Great tool to supplement existing IPM program
Repels adults	Saves plants from the damaging immature and adult stages
Excellent formulation	Low odor, easy to handle and compatible with other pesticides

Ornazin Quick Facts	
Labeled Use Sites	Greenhouses/Shadehouses, Outdoor Nurseries, Greenhouse Vegetables and Herbs, Landscape Plantings, Interiorscapes, Christmas Trees
Pests Controlled	Aphids, Beetles, Caterpillars, Fungus Gnats, Leafminers, Leaf/Planthoppers, Lepidopteran larvae, Mealybugs, Nematodes, Sawflies, Scales, Thrips, Whiteflies
Life Stages Controlled	Immatures, Adult repellent
Recommended Rate	Aphids, Caterpillars, Fungus Gnats, Mealybugs, Thrips and Weevils: • 8 fl. oz. per 100 gallons Beetles, Leaf/Planthoppers, Scales and Whiteflies: • 10 fl. oz. per 100 gallons
Application	Spray
Restricted-Entry Interval (REI)	12 hours
Active Ingredient	Azadirachtin
Mode of Action (Chemical Group)	Ecdysone inhibitor (18B)

Talus[®] Insect Growth Regulator

Break the Life Cycle.

In addition to its phenomenal activity against nuisance insects, some of the best features of Talus Insect Growth Regulator (IGR) include its tenderness to ornamentals and beneficial insects. Talus is effective via contact, ingestion and vapor activity. Talus is also faster acting and has a larger window of application within the target pests' life cycle compared to other IGRs. In addition to its primary mode of action, Talus also suppresses egg-laying and causes egg sterilization in infected adults. Even though Talus is classified as an IGR, it works fast to eliminate insect pests and save your crops.

Features	Benefits
Great alternative to neonicotinoid chemistries	Excellent control of many of the similar pests controlled by neonicotinoids such as mealybugs, scales and whiteflies
Phenomenal crop safety	Can be applied to some of the more tender plants without phytotoxicity
Effective via contact, ingestion and vapor activity	Enhances control potential
Controls a wide-range of mealybug, scale, and whitefly species and types	Provides a failsafe for misidentified species and infestations of multiple pest species

Talus Quick Facts	
Use Sites	Greenhouses/Shadehouses, Outdoor Nurseries, Greenhouse Tomatoes, Landscape Plantings, Non-bearing Fruit and Nut Trees and Vines, Christmas Trees
Pests Controlled	Whiteflies, Mealybugs, Leaf/Planthoppers, Scales
Life Stages Controlled	Immatures, Adults
Recommended Rate	Whiteflies • 6 - 9 oz. per 100 gallons Mealybugs, Leaf/Planthoppers and Scales • 9 - 14 oz. per 100 gallons
Application	Spray
Restricted-Entry Interval (REI)	12 hours
Active Ingredient	Buprofezin
Mode of Action (Chemical Group)	Chitin biosynthesis inhibitor (16)

Rate and Reference Summary Tables

Herbicide

	Active Ingredient	Signal Word	Mode of Action	HRAC Code	Use Rates
Octane	Pyraflufen-ethyl	Caution	PPO Inhibitor	E	0.7 - 4 fl. oz./A

Insecticides/Miticides

	Active Ingredient	Signal Word	Mode of Action	IRAC Code	Use Rates (per 100 gal)	Affected Life Stage	Application
Akari	Fenpyroximate	Warning	METI	21A	16 - 32 fl. oz.	Eggs Immatures Adults	Spray
Hachi-Hachi SC	Tolfenpyrad	Warning	METI	21A	14 - 32 fl. oz.	Eggs Immatures Adults	Spray
Ornazin	Azadirachtin	Caution	Ecdysone Inhibitor	18B	8 - 15 fl. oz.	Immatures	Spray
Talus	Buprofezin	Caution	Chitin Inhibitor	16	6 - 14 oz.	Immatures Adults	Spray

Landscape Plant Growth Regulators

	Active Ingredient	Signal Word	Mode of Action	Use Rates	Application
Cutless 0.33G	Flurprimidol	Caution	GA Biosynthesis Inhibitor	3.5 - 20.9 lbs. per 1,000 ft. ²	Broadcast
Cutless STS	Flurprimidol + Paclobutrazol	Caution	GA Biosynthesis Inhibitor	2.5 - 10 lbs. per 1,000 ft. ² or 0.8 - 3.2 oz. per plant	Broadcast
Cutless QuickStop	Flurprimidol	Warning	GA Biosynthesis Inhibitor	1 - 7 fl. oz. per gal.	Foliar Spray
Edgeless	Flurprimidol + Trinexapac-ethyl	Warning	GA Biosynthesis Inhibitor	0.7 - 1.8 fl. oz. per 1,000 ft. ²	Spray
Profile	Paclobutrazol	Caution	GA Biosynthesis Inhibitor	1 - 4 grams a.i. per inch DBH	Drench, Injection

Fungicides

	Active Ingredient	Signal Word	Mode of Action	FRAC Code	Use Rates (per 1,000 ft. ²)	Application
Junction	Copper Hydroxide & Mancozeb	Danger	Multi-site	M1 + M3	2 - 3.6 oz.	Spray
Obtego	 <i>Trichoderma asperellum</i> strain ICC 080 & <i>Trichoderma gamsii</i> strain ICC 012	Caution	Bio-multi MoA	BM02	0.9 - 1.8 oz.	Spray, Dip, Drench, Soil Incorporation, In-furrow Chemigation

Weeds Controlled

	Canada thistle	Chickweed	Clover	Curly Dock	Dandelion	Dollarweed	Henbit	Knotweed	Poison Ivy	Ragweed	Shepard's Purse	Yellow Nutsedge
	●	●	●	●	●	●	●	●	●	●	●	●

Insects Controlled

	Aphids	Fungus Gnats	Leaf/ Plant Hoppers	Leafminers	Lepidoptera larvae	Mealybug	Mites	Psyllid	Scales	Thrips	Whiteflies
						●	●	●			● Suppress
	●		●		●	●		●	●	●	● Suppress
	●	●	●	●	●	●	●	●	●	●	●
			●			●			●		●

Use Sites

	Turf	Groundcovers	Shrubs	Trees
		●	●	●
			●	●
		●	●	
	●			
			●	●

Diseases Controlled

	Algae	Anthraxnose	Brown Patch	Copper Spot	Dollar Spot	Fusarium	Gray Snow Mold	Leaf Spot/ Melting out	Moss, Silvery Thread	Powdery Mildew	Phytophthora	Pythium Blight	Rhizoctonia	Red Thread	Rust
	●		●	●	●	●	●	●	●	●		●		●	●
						●					●	●	●		

NOTES

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The
Stewards
of
Turf