

Fungicides

Armor Tech (www.utaarmortech.com)

Product name	Active Ingredient	For use in/on
Clearscape ETQ	Tebuconazole plus ETQ	ETQ technology enhances turf quality by protecting it from heat, UV light and other stress factors while tebuconazole controls an anthracnose, dollar spot, brown patch, pink and gray snowmold, gray leaf spot and other diseases
Echo Ultimate ETQ	Chlorothalonil plus ETQ	An 82.5% spray-dried granule formulation combines ETQ technology to enhance turf quality by protecting turf from heat, UV light and other stress factors with trusted chlorothalonil for the preventative control of dollar spot, brown patch, leaf spot, gray leaf spot, anthracnose and other diseases
Echo 6F ETQ	Chlorothalonil plus ETQ	Easy-to-use 54% flowable formulation combines ETQ technology to enhance turf quality by protecting turf from heat, UV light and other stress factors with trusted chlorothalonil for the preventative control of dollar spot, brown patch, leaf spot, gray leaf spot, an thracnose and other diseases
Clearscape	Tebuconazole	Controls anthracnose, dollar spot, brown patch, pink and gray snowmold, gray leaf spot and other diseases
Echo 720, Echo Ultimate, Echo Zn	Chlorothalonil	Protects turf and ornamentals from more than 75 diseases
ProPensity 1.3ME	Propiconazole	Enhances cool-season turfgrass establishment and controls dollar spot, brown patch, anthracnose, summer patch, snow molds, Fusarium patch, powdery mildew, stripe smut, gray leaf spot and other diseases in turf and ornamentals
Proplant Propamocarb Tee-1-Up	hydrochloride	Prevents and cures many Pythium diseases including damping-off, cottony blight, grease spot and root rot
	Chlorothalonil,	Contains 3-to-1 ratio of chlorothalonil to thiophanate-methyl for control of dollar spot, leaf spot, gray leaf spot, brown patch, snow molds, anthracnose and other turf diseases in cool- and warm-season turf. Also controls diseases in ornamentals
	Thiophanate- Methyl	
Tee-Off 4.5	Thiophanate-methyl	Proven systemic chemistry controls anthracnose, summer patch, gray leaf spot, brown patch and other diseases in cool- and warm-season turf. Also controls ornamental diseases

Bayer Environmental Science (www.backedbybayer.com/golf-course-management)

Product name	Active Ingredient	For use in/on
26 GT	iprodione	Anthracnose (suppression), brown patch, dollar spot, Fusarium blight, Fusarium patch, gray snow mold, leaf spot, pink snow mold, red thread
Armada 50 WDG	trifloxystrobin, triadimefon	Turf diseases: Anthracnose, brown patch, dollar spot, fairy ring, fusarium patch, gray leaf spot, large patch, leaf spot, pink snow mold, pink patch, rapid blight, red thread, rust, stripe smut, southern blight, summer patch, take-all patch Ornamental diseases: Anthracnose, black spot, downy mildew, leaf spot, Lophodermium needlecast, pine rust, powdery mildew, rust, scab, stem and cone rusts, tip blight
Armada 50 WP	trifloxystrobin, triadimefon	Turf diseases: Brown patch, dollar spot, fusarium patch, gray leaf spot, leaf spot, pink patch, pink snow mold, rapid blight, red thread, rust, Southern blight, stripe smut, summer patch, take-all patch Ornamental diseases: Anthracnose, black spot, downy mildew, leaf spot, powdery mildew, rust, scab
Banol	propamocarb hydrochloride (Chemical name: Propyl-3)	Phytophthora, Pythium blight, Pythium damping off, Pythium root rot
Bayleton 50	triadimefon	Anthracnose, Bermudagrass decline, brown patch/rhizoctonia blight, copper spot, dollar spot, fusarium blight, gray snow mold/Typhula blight, pink snow mold/Fusarium patch, powdery mildew, red thread, rusts, Southern blight, stripe smut, summer patch, take-all patch, zoysia patch/large brown patch
Bayleton FLO	triadimefon	Anthracnose, Bermudagrass decline, brown patch/Rhizoctonia blight, copper spot, dollar spot, fairy ring, Fusarium blight, gray snow mold/Typhula blight, powdery mildew, pink snow mold/Fusarium patch, red thread, rusts, Southern blight, stripe smut, summer patch, take-all patch, Zoysia patch/large patch
Chipco 26019 FLO	iprodione	Turf diseases: Anthracnose (suppression), brown patch, corticum red thread, dollar spot, Fusarium blight, gray snow mold, large patch, leaf spot, pink snow mold Ornamental diseases: Aerial web blight, Alternaria leaf blight, Alternaria leaf spot, blossom blight, Botrytis blight, daffodil leaf scorch, Fusarium leaf spot, Helminthosporium leaf spot, ink spot, ray blight, Rhizoctonia stem and root rot, tulip fire
Chipco Signature	aluminum tris	Anthracnose, bentgrass deadspot, Pythium diseases, summer turfgrass decline, yellow tuft
Chipco Triton 70 WDG	triconazole	Anthracnose, brown patch, dollar spot, gray snow mold, large brown patch, large patch, pink snow mold, red leaf spot, red thread, rust, summer patch, take-all patch
Chipco Triton FLO	triconazole	Anthracnose, brown patch, dollar spot, gray snow mold, fusarium patch, large patch, red thread, rust, summer patch, take-all patch, waitea patch
Compass 50 WG	trifloxystrobin	Turf diseases: Anthracnose, brown patch, gray leaf spot, leaf spot, red thread, snow mold, yellow patch Ornamental diseases: Black spot, leaf spot, rust, scab
Interface	iprodione and trifloxystrobin	Brown patch, Curvularia, dollar spot, fusarium blight, fusarium patch, gray snow mold, large patch, leaf spot, necrotic ring spot, pink patch, pink snow mold, rapid blight, red thread, rust
ProStar WG Reserve	flutolanil chlorothalonil and triconazole	brown patch, brown ring patch (Waitea), fairy ring, gray snow mold, large patch, pink patch, red thread, southern blight, yellow patch Anthracnose, brown patch, brown ring, dollar spot, fusarium patch, gray snow mold/Typhula blight, leaf spot, pink patch, pink snow mold, red thread, rust, summer patch, take-all patch
Tartan	triadimefon and trifloxystrobin	Anthracnose, brown patch, dollar spot, fusarium patch, gray leaf spot, leaf spot, pink patch, pink snow mold, red thread, rust, Southern blight, stripe smut, summer patch

Syngenta (www.syngentaprofessionalproducts.com)

Product name	Active Ingredient	For use in/on
Daconil Action	Chlorothalonil +	Multi-site fungicide controlling turf diseases like Dollar Spot, Anthracnose and Brown Patch while delivering a boost of PR proteins

Product name	Active Ingredient	For use in/on
		that acibenzolar-S-methyl (ASM) allow turf to defend itself naturally against pathogens and environmental stresses. Suppresses Pythium blight and Bacterial Wilt. Syngenta supports a FIFRA Section 2 (ee) recommendation for use of Daconil Action for suppression of Pythium Blight and Bacterial Wilt on both Group A and Group B Turf as listed on the federal label. Please see the Section 2(ee) recommendation to confirm that the recommendation is applicable in your state.
Headway	Azoxystrobin + Propiconazole	Delivers broad-spectrum disease control formulated to balance each active ingredient for control and optimal efficacy. Available in granular or liquid formulation to control brown patch, dollar spot, anthracnose and take-all patch.
Heritage	Azoxystrobin	Controls more than 20 turf diseases for extended intervals and improves overall turf quality. Absorbed through the leaf blade or stem and taken up by the root system for uniform distribution through the plant. Available in granular or liquid formulation to control brown patch, pythium, and anthracnose.

FMC Professional Solutions (www.fmcprosolutions.com)

Product name	Active Ingredient	For use in/on
Segway	Cyazofamid	Pythium blight, Pythium damping-off, and Pythium root dysfunction

BASF Professional Turf & Ornamentals (www.betterturf.basf.us)

Product name	Active Ingredient	For use in/on
Pillar G	Pyraclostrobin and triticonazole	Label: http://www.cdms.net/ldat/ldA9G004.pdf Ex. Diseases Controlled: Dollar spot, anthracnose, patch diseases (brown patch, large patch, take-all patch, summer patch), snow molds, and leaf spots
Trinity	Triticonazole	Label: http://www.cdms.net/ldat/ld84K004.pdf Ex. Diseases Controlled: Anthracnose, brown patch, take-all patch, summer patch and dollar spot

Dow AgroSciences

Product name	Active Ingredient	For use in/on
Dithane Rainshield	Mancozeb	Major leaf spots and blights, preventive control of rust, scab, and other key diseases.
Eagle 20EW	Myclobutanil	Dollar spot, anthracnose, summer patch, brown patch and many other turf diseases.
Fore Rainshield	Mancozeb	Broad-spectrum for preventive control of brown patch and 11 other key diseases.

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Herbicides

Armor Tech (www.utaarmortech.com)

Product name	Active Ingredient	For use in/on
Atrazine	Atrazine	Season-long control of annual grassy and broadleaf weeds in warm-season turf, conifers and ornamentals
Cavalcade PQ	Prodiamine, Quinclorac	Preemergence and extended postemergence control of grassy and broadleaf weeds
Cavalcade 65WDG	Prodiamine	Long-residual preemergence control of 30 grassy and broadleaf weeds, including crabgrass, Poa annua, goosegrass, prostrate spurge, common purslane and knotweed
Eject 4L	Quinclorac	Extended postemergence control of grassy and broadleaf weeds, such as crabgrass (including mature plants), foxtail, barnyard grass, clover, dandelion, black medic, wild violet and others.
Sim-Trol	Simazine	Both preemergence and postemergence control of nearly 50 annual grassy and broadleaf weeds in warm-season turfgrass and ornamental

Bayer Environmental Science (www.backedbybayer.com/golf-course-management)

Product name	Active Ingredient	For use in/on
Acclaim Extra	fenoxaprop-p-ethyl	Barnyardgrass, foxtail species, goosegrass, hairy crabgrass, Japanese stiltgrass, Johnsongrass (seedling), large crabgrass, Panicum species, sandbur, silver crabgrass, smooth crabgrass, sprangletop
Celsius WG	thiencarbazone-methyl, iodo-sulfuron-methyl and dicamba	Broadleaf weeds: American burnweed, chamberbitter, common purslane, dollarweed, Florida betony, Florida pusley, lawn bur weed, Lespedeza, prostrate spurge, spotted spurge, Virginia buttonweed
Finale	glufosinate-ammonium	Grassy weeds: Bull paspalum, carpetgrass, Dallis grass (suppression), doveweed, large crabgrass Broadleaf weeds: Burdock, chickweed, clover, common cocklebur, dandelion, dogbane, filaree, jimsonweed, Kochia, London rocket, Malva, marestail, purslane, shepherd's purse, smartweed Grasses and sedges: Annual bluegrass, barnyard grass, crabgrass, cupgrass, fall panicum, fescue, giant foxtail, goose grass, Kentucky bluegrass, lovegrass, shattercane, smallflower Alexander, stinkgrass, windgrass, yellow foxtail Woody species: Blackberry, conifers, greenbriar
Illoxan	diclofop-methyl	Barnyardgrass, foxtail species, goosegrass, hairy crabgrass, Japanese stiltgrass, Johnsongrass (seedling), large crabgrass, Panicum species, sandbur, silver crabgrass, smooth crabgrass, sprangletop
Prograss EC	ethofumesate	barnyardgrass, burclover, canary grass, common chickweed, common purslane, green foxtail, large crabgrass, Poa annua, pre-emergent/annual grasses, redroot pigweed, smooth crabgrass, white clover, yellow foxtail
Prograss SC	ethofumesate	barnyardgrass, burclover, canary grass, common chickweed, common purslane, green foxtail, large crabgrass, Poa annua, pre-emergent/annual grasses, redroot pigweed, smooth crabgrass, white clover, yellow foxtail
Revolver	foramsulfuron	Bentgrass, centipede grass (suppression), Dallis grass (suppression), goose grass, Kentucky bluegrass, Poa annua, Poa trivialis, rye grass, tall fescue
Ronstar 50 WSP	oxadiazon	Broadleaf weeds: Bittergrass, bristly oxtongue, carpetweed, cheeseweed, common groundsel, common purslane, evening prim rose ragwort, lambsquarters, liverwort, oxalis, Pennsylvania smartweed, prostrate spurge, redroot pigweed, sow thistle, speed well, spotted catsear, swinecress, yellow woodsorrel
Ronstar FLO	oxadiazon	Grassy weeds: Annual bluegrass, barnyardgrass, crabgrass, fall panicum, goose grass, green foxtail, wild oats Broadleaf weeds: Bittergrass, bristly oxtongue, carpetweed, cheeseweed, common groundsel, common purslane, evening primrose ragwort, lambsquarters, liverwort, oxalis, Pennsylvania smartweed, prostrate spurge, redroot pigweed, sow thistle, speedwell, spotted catsear, swinecress, yellow woodsorrel
Sencor 75%	metribuzin	Grassy weeds: Annual bluegrass, barnyardgrass, carpetgrass, crabgrass, fall panicum, goose grass, green foxtail, wild oats Annual bluegrass (Poa annua), bedstraw1, carpetweed, chickweed, corn speedwell1, goosegrass1, henbit1, littleseed canarygrass, parsley-piert1, prostrate knotweed1, rabbitfootgrass, red deadnettle1, shepherdspurse, spotted spurge1, spur weed1, white clover, wild mustard
Specticle 20 WSP	indaziflam	Broadleaf weeds: American black nightshade, bittercress, California burclover, carpetweed, clover, common chickweed, common groundsel, common purslane, dandelion, doveweed, eclipta, evening primrose cutleaf, Florida pusley, hairy fleabane, horse weed, Kochia, lambsquarters, lawn burweed, Lespedeza, little mallow, oxalis, panicle willowherb, plantain, prostrate pigweed, redmaids, shepherd's purse, sowthistle (annuals), spurge, swinecress, wild mustard Grassy weeds: Annual bluegrass/Poa, cheatgrass, common barnyardgrass, crabgrass, foxtail brome, giant foxtail, goose grass, green foxtail, guineagrass, large/hairy crabgrass, mouse barley, nutsedge (annual), perennial ryegrass, rice flatsedge, smooth crabgrass, tufted lovegrass, yellow foxtail
Tribute Total	foramsulfuron, thiencarbazone-methyl, halosulfuron-methyl	Chickweed, clover, crabgrass (large, smooth), dallisgrass, dandelion, dollarweed, doveweed, fescue, goosegrass, henbit, kylinga, nutsedge, plantain, ryegrass

DuPont Professional Products (www.proproducts.dupont.com)

Product name	Active Ingredient	For use in/on
TranXit	Rimsulfuron	Spring use of TranXit controls ryegrass to give bermudagrass the opportunity for more rapid and complete reestablishment after winter dormancy. Then follow-up with a fall application of TranXit to control annual bluegrass prior to overseeding for the winter.

Syngenta (www.syngentaprofessionalproducts.com)

Product name	Active Ingredient	For use in/on
Tenacity	Mesotrione	Can be used at seeding to help eliminate weeds so new grass can flourish. Pre- and post-emergent control of more than 46

Product name	Active Ingredient	For use in/on
Monument 75WG	Trifloxysulfuron-Sodium	broadleaf weeds and grasses in two convenient pack sizes - 8oz. bottle or one-gallon jug. Selective post-emergent herbicide for the control of sedges, certain grasses and broadleaf weeds in bermudagrass and zoysiagrass. Available in a new water soluble 0.5 gram package for spot treatments or the 5 gram size for larger areas.
Fusilade II	Fluazifop-P-butyl	Selective post-emergent herbicide that controls many common perennial and annual grass weeds and is rainfast one hour after application. Effective at low rates to remove bermudagrass from tall fescue and zoysiagrass.

FMC Professional Solutions (www.fmcprosolutions.com)

Product name	Active Ingredient	For use in/on
Blindside	Sulfentrazone + Metsulfuron	Postemergent control of 70 broadleaf weeds including dollarweed, doveweed and buttonweed. Virtually all types of warm-season turf, even St. Augustinegrass.
SquareOne	Carfentrazone + Quinclorac	Crabgrass and small broadleaf weeds at time of seeding (up to one day before or 7 days after emergence on most grasses)
Echelon	Sulfentrazone + Prodiamine	Preemergence crabgrass, sedge, and goosegrass. Fall applications for the control of poa annua.
Dismiss	Sulfentrazone	Warm and cool season turf: Fast, visible postemergence control of sedges, including yellow nutsedge, purple nutsedge (2 apps), and green kyllinga.
Dismiss South	Sulfentrazone + Imazethapyr	Warm season turf (excluding St. Augustine). Fast, visible postemergence control of sedges, with a focus on purple nutsedge.
Dismiss CA	Sulfentrazone	Fast, visible postemergence control of sedges, including yellow nutsedge and green kyllinga.
Solitare	Sulfentrazone + Quinclorac	Postemergence sedges, crabgrass, and broadleaf weeds in a single product.
QuickSilver	Carfentrazone	Silvery Thread Moss (more golf related). Broadleaf tank-mix partner to speed up the results of other products.

BASF (www.betterturf.basf.us)

Product name	Active Ingredient	For use in/on
Drive XLR8	Quinclorac	Bindweed, Clover, Crabgrass, Dandelion, Dollarweed, Foxtail, Kikuyugrass, Signalgrass, Speedwell, Torpedograss
Onetime	Quinclorac, MCP-P and dicamba	Crabgrass, foxtail, torpedograss, wild violet, dollarweed and ground ivy.
Pendulum 2G	Pendimethalin	Crabgrass, goosegrass, oxalis, henbit, spurge and nearly 40 other broadleaf and grassy species.
Pendulum AquaCap	Pendimethalin	Field Sandbur, Woolly Cupgrass, Lawn Burweed, Hop Clover, Cudweed, Evening Primrose, Fiddleneck, Filaree, Puncturevine, Pennsylvania Smartweed, Annual Spurge, Chickweed Species, Yellow Woodsorrel (Oxalis).

Dow AgroSciences (www.dowagro.com)

Product name	Active Ingredient	For use in/on
Confront	Triclopyr/Clopyralid	Postemergence control of 35 difficult-to-manage broadleaf weeds.
Dimension	Dithiopyr	Pre- and early postemergence control of crabgrass; preemergence control of more than 45 annual grassy and broadleaf weeds.
Gallery	Isoxaben	Preemergence control of more than 95 broadleaf weeds, including dandelion, clover, plantain and thistle.
Kerb SC T&O	Pronamide	Pre- and early postemergence control of Poa annua and other grassy and broadleaf weeds.
LockUp	Penoxsulam	Postemergence control of key broadleaf and grassy weeds, including white clover, dollarweed and dandelion.
Lontrel	Clopyralid	Postemergence control of broadleaf weeds, including clover and thistle.
Snapshot	Trifluralin/Isoxaben	Preemergence control of 125 broadleaf and grassy weeds in landscape ornamentals.
Team Pro	Benefin/Trifluralin	Preemergence control of broadleaf and grassy weeds.
Turfion Ester Ultra	Triclopyr	Broad-spectrum postemergence control of oxalis, wild violet, spurge, ground ivy and other hard-to-control weeds.

PBI Gordon (www.pbigordon.com)

Product name	Active Ingredient	For use in/on
Barrier 50W	Dichlobenil	Pre-asphalt application stops weeds and root punctures without affecting nearby trees and shrubs
Bensumec 4LF		An economical way to manage crabgrass, poa annua and goosegrass
BrushMaster		Brush and weed control with flexibility in application methods and schedules
GlyphoMate 41		All-in-one non-selective herbicide
Katana		Good for removing overseeded cool-season grasses. Controls kyllingas, sedges and broadleaf weeds with post-emergence and some pre-emergence activity. Controls ryegrass, clumpy ryegrass, poa annua, poa trivialis, tall fescue and annual ryegrass in warm-season turf.
Mecomec 2.5 & Mecomec 4		Premium MCP-P formulation for enhanced broadleaf control in turfgrass including bentgrass
Ornamec Over-The-Top		Post-emergence control of grass weeds in and around ground covers, shrubs and trees
PowerZone		Fast-acting 2,4-D alternative for broadleaf weed control for turf with visible activity in hours
Pre-San Granular 7G Herbicide & Pre-San Granular 12.5G Herbicide		Premium performance, selective, granular pre-emergence herbicide
Q4 Plus		MSMA alternative designed to replace Trimec Plus, contains four active ingredients: quinclorac, sulfentrazone, 2,4-D and dicamba
SpeedZone		Fast broadleaf weed control
SpeedZone Southern		Fast broadleaf weed control developed for southern grasses
Super Trimec		Extend open season on hard-to-control broadleaf weeds; 2,4-D, 2,4-DP and dicamba
Surge		Fast warm-weather weed control; sulfentrazone, 2,4-D, MCP-P and dicamba
T-Zone		Tough weeds controlled fast; contains four ingredients including triclopyr
Trimec 992		Registered for use in cool- and warm-season grasses
Trimec 1000		Low odor, low profile controller of deep-rooted perennial weeds
Trimec Bentgrass Formula		High degree of bentgrass tolerance; effective in wide range of temperatures
Trimec Classic Brand		Low odor, controls all major broadleaf weeds in turf
Trimec Encore		Alternative where 2,4-D is not an option

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Insecticides

Armor Tech (www.utaarmortech.com)

Product name	Active Ingredient	For use in/on
Enforce	Imidacloprid	Delivers long-lasting white grub protection and is also effective against mole crickets, billbug larvae, annual bluegrass weevils, cutworms, chinchbugs and European crane flies. Controls a broad range of pests in landscape ornamentals, flowers, fruit and nut trees, groundcovers and interiorscapes

Bayer Environmental Science (www.backedbybayer.com/golf-course-management)

Product name	Active Ingredient	For use in/on
Allectus GC SC	imidacloprid, bifenthrin	Ornamental and ground cover insects: Adelgids, aphids, ants, bagworms, black vine weevils (adults and larvae), borers, broad mites, budworms, flea beetles, gall midges, grasshoppers, gypsy moth larvae, Japanese beetle adults, lace bugs, leafhoppers, leafrollers, leaf beetles, leaf-feeding caterpillars, leafminers, mealybugs, mosquitoes, orchid weevils, plant bugs, psyllids, scales, tent caterpillars, thrips, tree moths, treehoppers, wasps, whiteflies Turf insects: Ants, armyworms, billbugs, chinch bugs, cutworms, European crane fly, fleas, mites, mole crickets, pillbugs, sod webworms, ticks, weevils, white grub larvae
Chipco Choice	fipronil	Fleas, imported fire ants, mole crickets, nuisance ants, ticks
CoreTect Tree and Shrub Tablets	imidacloprid	Adelgids, aphids, Japanese beetles (adults), flatheaded borers, lace bugs, leaf beetles, leafminers, leafhoppers, mealybugs, pine tip moth larvae, psyllids, roundheaded borers, royal palm bugs, sawfly larvae, soft scales, whiteflies
Dylox 420 SL	trichlorfon	Annual bluegrass weevils (larvae and adult), armyworms, chinch bugs, cutworms, sod webworms, white grubs
Dylox 6.2	trichlorfon	Annual bluegrass weevils (larvae and adult), armyworms, chinch bugs, cutworms, sod webworms, white grubs
Forbid 4 F	spiromesifen	Blister mites, broad mites, flat mites, rust mites, spider mites (including twospotted, southern red, boxwood, spruce and euonymus mites), whiteflies (including sweetpotato, silverleaf, giant and greenhouse)
Maxforce FC Fire Ant Bait	Fipronil	Fire ants
Merit 0.5 G	imidacloprid	Turf pests: Billbug larvae; European crane flies; hairy chinch bugs; mole crickets; white grubs, including black turfgrass ateniuss beetles, European chafers, Japanese beetles, May and June beetles, Northern masked chafers, Oriental beetles, Southern masked chafers Ornamental pests: Adelgids, aphids, Asian long-horned beetles, borers, elm leaf beetles, emerald ash borers, hemlock woolly adelgids, Japanese and other leaf-feeding beetles, lace bugs, leafhoppers, leafminers, mealybugs, pine tip moths, royal palm bugs, sawfly larvae, scale insects, thrips (suppression), vine weevils, whiteflies
Merit 2 F	imidacloprid	Turf pests: Billbug larvae; European crane fly; hairy chinch bugs; mole crickets; white grubs, including Japanese beetle, black turfgrass ateniuss, Northern masked chafer, Southern masked chafer, European chafer, oriental beetle, may and june beetles Ornamental pests: Adelgids, aphids, Asian long-horned beetle, borers, elm leaf beetles, emerald ash borer, hemlock woolly adelgid, Japanese and other leaf-feeding beetles, lace bugs, leafhoppers, leafminers, mealybugs, pine tip moth, royal palm bug, sawfly larvae, scale insects, thrips (suppression), vine weevils, whiteflies
Merit 75 WP	imidacloprid	Turf pests: Billbug larvae; European crane fly; hairy chinch bugs; mole crickets; white grubs, including Japanese beetle, black turfgrass ateniuss, Northern masked chafer, Southern masked chafer, European chafer, oriental beetle, May and June beetles Ornamental pests: Adelgids, aphids, Asian long-horned beetle, borers, elm leaf beetles, emerald ash borer, hemlock woolly adelgid, Japanese and other leaf-feeding beetles, lace bugs, leafhoppers, leafminers, mealybugs, pine tip moth, royal palm bug, sawfly larvae, scale insects, thrips (suppression), vine weevils, whiteflies
Merit 75 WSP	imidacloprid	Turf pests: Billbug larvae; European crane flies; hairy chinch bugs; mole crickets; white grubs, including black turfgrass ateniuss beetles, European chafers, Japanese beetles, May and June beetles, Northern masked chafers, Oriental beetles, Southern masked chafers Ornamental pests: Adelgids, aphids, Asian long-horned beetles, borers, elm leaf beetles, emerald ash borers, hemlock woolly adelgids, Japanese and other leaf-feeding beetles, lace bugs, leafhoppers, leafminers, mealybugs, pine tip moths, royal palm bugs, sawfly larvae, scale insects, thrips (suppression), vine weevils, whiteflies
Nortica	Bacillus firmus (naturally occurring living bacteria)	Cyst, lance, lesion, root-knot, sheath, spiral, sting and stunt nematodes
Sevin SL	carbaryl	Annual bluegrass weevil, ants, armyworms, bagworms, box elder bugs, birch, boxwood and oak leafminers, chinch bugs, cutworms, European crane fly larvae, gypsy moth larvae, leafhoppers, Japanese beetles (adult), lace bugs, pine beetles, spittlebugs, sod webworms, tent caterpillars, white grubs
Tempo SC Ultra Insecticide	beta-Cyfluthrin; 1,2-Propanediol	Annual bluegrass weevils (adult), ants, aphids, armyworms, bagworms, black turfgrass ateniuss beetles, bluegrass billbugs, chinch bugs, cutworms, emerald ash borers, fungus gnats, grasshoppers, lace bugs, leaf-feeding beetles (adults and larvae), scale insects (crawlers), sod webworms, spiders, thrips, ticks
Tempo GC Ultra Insecticide	beta-Cyfluthrin; 1,2-Propanediol	Annual bluegrass weevils (adult), ants, aphids, armyworms, bagworms, black turfgrass ateniuss beetles, bluegrass billbugs, chinch bugs, cutworms, emerald ash borers, fungus gnats, grasshoppers, lace bugs, leaf-feeding beetles (adults and larvae), scale insects (crawlers), sod webworms, spiders, thrips, ticks
Tempo WP Ultra Insecticide	beta-Cyfluthrin; sodium	Annual bluegrass weevils (adult), ants, aphids, armyworms, bagworms, black turfgrass ateniuss beetles, bluegrass billbugs, chinch bugs, cutworms, emerald ash borers, fungus gnats, grasshoppers, lace bugs, leaf-feeding beetles (adults and larvae), scale insects (crawlers), sod webworms, spiders, thrips, ticks

Product name	Active Ingredient	For use in/on
TopChoice	lignosulphonate; quartz	Annual bluegrass weevils (adult), ants, aphids, armyworms, bagworms, black turfgrass atenius beetles, bluegrass billbugs, chinch bugs, cutworms, emerald ash borers, fungus gnats, grasshoppers, lace bugs, leaf-feeding beetles (adults and larvae), scale insects (crawlers), sod webworms, spiders, thrips, ticks
	fipronil	Imported fire ants

DuPont Professional Products (www.proproducts.dupont.com)

Product name	Active Ingredient	For use in/on
Acelepryn	Calteryx	Comprehensive control of turf-damaging white grubs, plus surface-feeding insects, including annual bluegrass weevils, billbugs, cut worms and webworms.
Advion Fire Ant Bait	Indoxacarb	Fire ants
Advion Insect Granule	Indoxacarb	A granular insecticide bait for use to control crickets, including mole crickets, cockroaches, and listed crawling nuisance or occasional invader insect pests.
Provaunt	Indoxacarb	A wide range of caterpillars including armyworms, cutworms, sod webworms, bagworms, fall webworms, gypsy moth, caterpillars, tent caterpillars, tussock moth caterpillars, yellownecked caterpillars.

Syngenta (www.syngentaprofessionalproducts.com)

Product name	Active Ingredient	For use in/on
Meridian .33G and Meridian® 25WG	Thiamethoxam	Provides foliar and systemic control of grubs, chinch bugs, ants and other turf insect pests through ingestion and contact activity. Wide application window and flexibility to water within 7 days after application.
Scimitar CS	Lambda-cyhalothrin	Controls more than 20 surface and sub-surface insects with a proprietary formulation technology that encapsulates the active ingredient, protecting it from environmental factors and helping to ensure superior efficacy and residual activity.

FMC Professional Solutions (www.fmcprosolutions.com)

Product name	Active Ingredient	For use in/on
Talstar XTRA Granular	Bifenthrin + Zeta-Cypermethrin	Surface-feeding pests, including fire ants, Caribbean crazy ants, ticks and mole crickets.
Talstar EZ featuring Verge Granule Technology	Bifenthrin on Verge granule	Surface-feeding pests, including ants, spiders, etc. Controls fire ant colonies, too.
Talstar Pro (Liquid)	Bifenthrin	Surface feeding pests, including ants, spiders, etc. Controls fire ant colonies, too.
BaseLine	Bifenthrin	Surface feeding pests, including ants, spiders, etc. Controls fire ant colonies, too.
Onyx	Bifenthrin	Provides reliable long-term control of borers and beetles on trees
Astro	Permethrin	Borers, beetles, leafhoppers, chinch bugs, cutworms and over 40 other damaging tree and lawn pests.
Transport GHP	Acetamiprid + Bifenthrin	Household pests including fleas, ticks, ants and stink bugs.

BASF

Product name	Active Ingredient	For use in/on
Amdro Pro Fire Ant Bait	Hydramethylnon	Fire ants

Dow AgroSciences (www.dowagro)

Product name	Active Ingredient	For use in/on
Conserve SC	Spinosad	Thrips, leafminers, Eastern tent caterpillars, lepidopterous larvae, armyworms, sod webworms and other pests.

PBI Gordon (www.pbigordon.com)

Product name	Active Ingredient	For use in/on
Zylam Liquid		Only liquid dinotefuran formulation labeled for trees and shrubs
Zylam 20SG		A 20% a.i. soluble granule formulation of dinotefuran