

Turfgrass Weed Control for Professional Managers

Tim R. Murphy, Extension Agronomist – Weed Science

Use Stage and Herbicide	Turfgrasses	Broadcast Rate/Acre		Remarks and Precautions
		Amount of Formulation	Pounds Active Ingredient	
Postemergence Herbicides - Golf Course Putting Greens				
carfentrazone (QuickSilver) 1.9 lbs./gal. (QuickSilver) 1.03 lb./gal. (water-soluble 5 ml bag)	bentgrass	6.7 fl. oz. use 3 to 4 5 ml bags/2,000 ft ²	0.1	Apply to creeping bentgrass putting greens and tees for the control of silvery-thread moss (<i>Byrum argenteum</i>). Repeat the application in 2 weeks. Add a nonionic surfactant at 0.25% v/v. Apply at a spray volume of ≥ 100 gpa. Transitory injury (yellowing) may occur when applied to bentgrass stressed from high air temperatures (> 90°F.), disease and soil moisture stress.
diclofop-methyl (Illoxan) 3EC	bermudagrass	1.0 to 1.4 qts.	0.75 to 1.0	Illoxan may be used for goosegrass control on bermudagrass golf greens, tees and fairways. Use the high rate for goosegrass with one to two tillers. Lower rates may be used on smaller goosegrass. DO NOT mow for 24 to 36 hours after application. Control requires 2 to 3 weeks. May cause temporary phytotoxicity (7 to 10 days). DO NOT tank mix with other pesticides or fertilizers as control will be reduced. DO NOT overseed treated areas for at least 2 months after the last application.
foramsulfuron (Revolver) 0.19 lbs./gal.	bermudagrass	8.8 to 26.2 fl. oz.	0.013 to 0.04	Apply Revolver for: a) control of emerged annual bluegrass 2 weeks before overseeding bermudagrass with perennial ryegrass, b) postemergence control of goosegrass in late spring and early summer, c) postemergence control of annual bluegrass in non-overseeded putting greens, and d) spring transition of bermudagrass overseeded the previous fall with cool-season turfgrasses. For tillered goosegrass, make 2 applications at the high rate 7 to 14 days apart. DO NOT apply Revolver within 2 weeks of sprigging. Revolver is rainfast within 2 hours of application. Revolver must be allowed to dry on bermudagrass foliage before traffic is allowed through treated areas. Revolver is NOT recommended for use on creeping bentgrass greens.
mecoprop (MCPP-4 Amine)	bentgrass, bermudagrass	2.5 pts.	1.25	Apply to small and actively growing broadleaf weeds as a summer or winter treatment. Avoid spray drift to ornamentals tree, shrub or flower foliage. DO NOT water for 24 hours after application. Delay mowing 2 to 3 days before or after application. DO NOT apply during conditions of drought, high temperatures (> 90°F.) or very wet weather. Weekly applications at one-half recommended rates will provide better control of knotweed than a single application at normal use rates. DO NOT reseed for 3 to 4 weeks after application.

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rimsulfuron (TranXit GTA) 25DF	bermudagrass	1.0 to 2.0 oz.	0.016 to 0.032	May be used: a) to control annual bluegrass before overseeding bermudagrass with perennial ryegrass or <i>Poa trivialis</i> ; b) to control annual bluegrass in non-overseeded bermudagrass, and c) to remove perennial ryegrass or <i>Poa trivialis</i> from bermudagrass greens in the late spring. Add a nonionic surfactant at 0.25% v/v. Apply 10 to 14 days in late summer or early fall before overseeding bermudagrass. DO NOT apply after overseeding, or to bentgrass putting greens. To hasten spring transition on overseeded bermudagrass, apply at the 60 to 75% green-up growth stage of bermudagrass, or approximately 2 to 3 weeks before transition is desired. Irrigate within 2 hours of a TranXit application and then follow normal irrigation schedule. TranXit is NOT recommended for use on creeping bentgrass putting greens.
MCP + 2,4-D + dicamba (Trimec Bentgrass)	bentgrass	2.7 pts.	0.5 + 0.15 + 0.06	Apply to small and actively-growing broadleaf weeds when air temperatures are less than 80°F. DO NOT water for 24 hours after application. DO NOT apply if bentgrass is showing the effects of environmental stresses.
trifloxysulfuron-sodium (Monument) 75DG	bermudagrass	0.33 to 0.56 oz.	0.015 to 0.026	Controls nutsedge(s), annual sedges, <i>kyllinga</i> species, and certain broadleaf weeds in established bermudagrass putting greens. Applications should be made to actively-growing bermudagrass after 100% spring green-up. Monument is not recommended for use on creeping bentgrass. Add a nonionic surfactant at 0.25 to 0.5% v/v to the spray mix. Monument at rates of 0.1 to 0.3 oz./acre may be used as a spring transition aid for the removal of perennial ryegrass and <i>Poa trivialis</i> . Avoid mowing for 1 to 2 days before and after application. For nutsedge repeat the application at 4 to 6 weeks if regrowth is observed. DO NOT overseed bermudagrass with cool-season turfgrasses for 3 weeks after application.