

CHEMICAL CONTROL OF TURFGRASS WEEDS

■ ANNUAL GRASSY WEEDS: PREEMERGENCE CONTROL

Weed	Herbicide			AI/A
	Common name	Trade name	Formulation	
Crabgrass, barnyardgrass, foxtails, panicum	benefin	Balan	25G	2 lb.
	Apply in early spring for preemergence control on mature turfgrass only. May injure bentgrass.			
	benefin + trifluralin	Team	2G	2 lb.
	benefin + trifluralin	Team Pro	0.86G	1.5-3.0 lb.
	Apply in early spring for preemergence control on mature turfgrass only.			
	bensulide	Betasan	4E	7.5-1.0 lb.
	Apply in early spring for preemergence control on mature turfgrass only.			
	*dithiopyr	Dimension	1EC, granular w/fertilizer (several formulations)	0.25-0.5 lb.
	Apply in early spring for preemergence control on established turfgrasses. Tolerant turfgrasses include bluegrasses, fescues, ryegrasses, zoysiagrass, and creeping bentgrass. Length of control is rate dependent. See label for rate suggestions and precautions.			
	oxadiazon 2G	Ronstar	2G, 50WP	2-4 lb.
North - Apply in early spring for preemergence control on mature Kentucky bluegrass, tall fescue, and perennial ryegrass only. South - Apply 2-3 weeks before greenup.				
NOTE: Ronstar 50WP formulation is labeled for Zoysia turf but has injured other cool-season turfgrasses.				
pendimethalin	Pre-M, Halts, Weedgrass control	65DG	1.5-2.0 lb.	
Apply in early spring for preemergence control on mature turfgrass. May also be used on seedling turf with 1 to 2 inches of growth. Do not use on closely cut bentgrass.				
*proflumicet	Barricade	65WG	0.65-0.75 lb.	
Apply in early spring for preemergence control on established turfgrasses. Tolerant turfgrasses include bluegrasses, fescues, ryegrasses, zoysiagrass and creeping bentgrass. Maximum dose for any application and maximum allowed per year vary with turf type. See label for detailed rate suggestions and precautions.				
siduron	Tupersan	4.6%, 50WP	6-12 lb.	
Apply in early spring to newly seeded, seedling, or mature turfgrass for preemergence control. Also effective on young crabgrass seedlings. Use reduced rate, 6 lb./A, on newly seeded turfgrass.				
Goosegrass	benefin + trifluralin	Team	2G	3 lb.
	benefin + trifluralin	Team Pro	0.86G	3 lb.
	Goosegrass generally germinates 2 to 4 weeks after crabgrass. Treat later than for crabgrass. Apply in spring for preemergence control on mature turfgrass only. Split applications may be necessary to control late-germinating goosegrass.			

*Restricted-use pesticide; may be purchased and used only by certified applicators.

■ ANNUAL GRASSY WEEDS: PREEMERGENCE CONTROL (CONTINUED)

Weed	Herbicide			AI/A
	Common name	Trade name	Formulation	
Goosegrass (continued)	oxadiazon 2G	Ronstar	2G, 50WP	4 lb.
	Apply in spring for preemergence control on mature Kentucky bluegrass, tall fescue, and perennial ryegrass only.			
	<i>NOTE:</i> Ronstar 50WP formulation is labeled for zoysia turf but has injured other cool-season turfgrasses.			
	Bensulide + oxadiazon	Scott's Goosegrass/ Crabgrass Control	4E+50WP	6.5+1.5 lb.
Goosegrass (continued)	*Dithiopyr	Dimension	1EC	0.5 lb.
	Apply in spring for preemergence control on established turfgrasses. Tolerant turfgrasses include bluegrasses, fescues, ryegrasses, zoysiagrass, and creepingbentgrass.			
	Pendimethalin	Pre-M, Halts, Weedgrass Control	60DG 60WP	2 lb. 2 lb.
Apply in spring for preemergence control on mature turfgrass only. Do not use on closely cut bentgrass. Second application may be necessary to control late-germinating goosegrass.				
Goosegrass (continued)	*Prodiamine	Barricade	65WDG	0.75 lb.
	Apply in early spring for preemergence control on established turfgrasses. Tolerant turfgrasses include bluegrasses, fescues, ryegrasses and zoysiagrass. More consistent control is obtained by sequential applications of 0.75 lb. followed six weeks later by 0.25 lb. This higher rate required to control goosegrass is not safe on bentgrass. Maximum dose for any application and maximum allowed per year vary with turf type.			

■ ANNUAL GRASSY WEEDS: POSTEMERGENCE CONTROL

Crabgrass, goosegrass, foxtail, barnyardgrass, other summer annual grasses	*dithiopyr	Dimension	1EC	0.38-0.5 lb.
	Postemergent control of young seedling (pretillering) crabgrass but not goosegrass. Addition of 0.25% (by volume) of a nonionic surfactant may improve control. To control tillered crabgrass, dithiopyr may be mixed with Acclaim or MSMA.			
	Fenoxaprop	Acclaim Extra	0.57EC	1/8-3/8 lb.
Apply to actively growing grassy weeds. Use higher rates for larger weeds. Do not tank mix with broadleaf herbicides. See label for other restrictions. Addition of a surfactant is not generally recommended.				
Crabgrass, goosegrass, foxtail, barnyardgrass, other summer annual grasses	Methanearsonates	MSMA	6.0L, 6.6L, 55WG	2 lb.
	Apply after crabgrass has emerged but before it is large enough to be competitive with desirable turfgrass. Repeat application may be necessary. Does not control goosegrass effectively. May discolor turfgrass. DSMA is also labeled but is used at higher rates.			

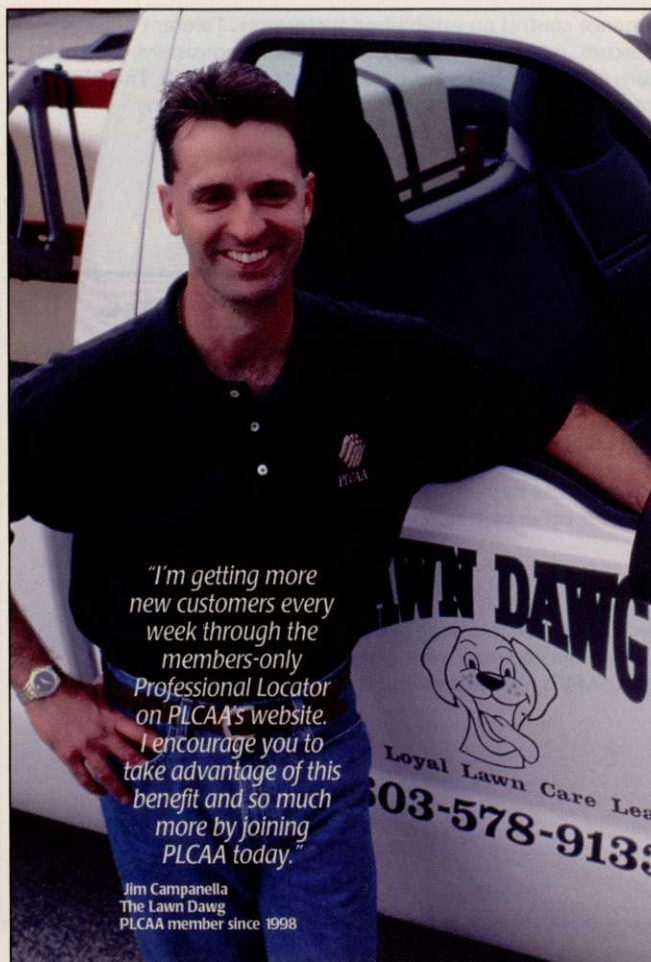
*Restricted-use pesticide; may be purchased and used only by certified applicators.

CHEMICAL CONTROL OF TURFGRASS WEEDS (CONTINUED)

■ **ANNUAL GRASSY WEEDS: POSTMERGENCE CONTROL (CONTINUED)**

Weed	Herbicide			AI/A
	Common name	Trade name	Formulation	
Annual bluegrass in perennial ryegrass	ethofumesate	Prograss	1.5EC	1-2 lb./A (2/3-1 1/3 gal./A)
	North - Apply in late August or early September to control seedling annual bluegrass. Apply follow-up treatment 30 to 60 days later. Do not exceed 4 lb. AI/A per year. On seedling ryegrass, apply only after ryegrass seedlings are 1 inch tall. South - First app. 30-45 days after overseeding with perennial ryegrass. Second 21-28 days later.			
Annual bluegrass in creeping bentgrass	paclobutrizol	Scott's TGR	0.36G	1/3-3/4 lb./A
	For suppression of annual bluegrass and gradual conversion to bentgrass. Use lower rate on sandy soils. Apply in late summer or early fall (no later than October 1 in north) and again in the spring after 100% green-up. Applications when turfgrass vigor is low may result in undesirable levels of discoloration and growth reduction.			

SOURCE: CORNELL COOPERATIVE EXTENSION'S 2001 PEST MANAGEMENT GUIDELINES FOR COMMERCIAL TURFGRASS / NORTH CAROLINA COOPERATIVE EXTENSION SERVICE



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