

WEED REFERENCE

Buckhorn plantain, *Plantago lanceolata*

DESCRIPTION:

Buckhorn plantain is a very common fibrous-rooted perennial weed that is found in low maintenance areas or areas where turf is not competitive. The leaves arise from the base and are long, narrow, and pointed with several prominent parallel veins. Flowers are arranged in a dense terminal spike on a long, hairy, leafless stem. As it blooms, the stamens are exerted from the spike.



Type of plant:	Broadleaf
Life cycle:	Perennial
Growth habit:	Bunch type
Aggressiveness (1-10 scale; 10=most aggressive):	5
Leaf attachment	whorled
Leaf color:	Dark green
Flower description:	Small, white to pink and arranged in a dense terminal spike on a long, hairy, leafless stem
Seed description:	Tan colored, oblong
Reproduces by:	Seed, rootstock
U.S. states found in:	Throughout U.S.
Countries found in:	Canada, Mexico, South and Central America, Europe and Asia
Golf course areas found in:	roughs, low maintenance areas

MONITORING:

Scout once temperatures reach 55 F (13 C). Most common in neutral to high pH soils and in areas where turf is weakened

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MANAGEMENT STRATEGIES:

Always check labels to determine turfgrass sensitivity to herbicides.

Follow resistance management guidelines by rotating products as outlined in IPM Template Reference "Herbicide Resistance Management Groups." Always consult the most recent version of all product labels before use.

TYPE	TIMING/ THRESHOLD	PRACTICE	
Cultural	N/A	Encourage healthy turf	
Biological			
Chemical	Pre-emerge: most effect when post-emergence herbicides are part of the overall program	Active ingredient (example)	Label signal word
		atrazine	Caution (restricted use)
		isoxaben (Gallery)	Caution
		metribuzin (Sencor)	Caution
		Simazine (Simazine)	Caution
	Post-emerge:	2,4-D (Barrage)	Caution
		Triclopyr (Turflon)	Caution