

Violet Biology and Management in Turf¹

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Violets (*Viola* spp.) are diverse winter annuals and perennials. Perennials form rhizomes or long stolons. Many have heart-shaped leaves on long petioles and have a rosette growth habit. Some have linear leaves and

others have palmate leaves. Flowers are generally purple, but can be white, pink or yellow. They reproduce by seed or, when produced, rhizomes.

Herbicide Options for Controlling Torpedograss in Florida Turfgrass (Always refer to the label for specific uses, application rates and turfgrass tolerance)

BER

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba, dicamba, sulfentrazone, triclopyr+clopyralid, trifloxysulfuro

ST.A

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba (follow label recommendations to minimize turf injury), dicamba sulfentrazone

CENT

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba, dicamba, sulfentrazone

BAHI

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba, dicamba, sulfentrazone, triclopyr+clopyralid, trifloxysulfuron

PASP

Preemergence: none
 Postemergence: carfentrazone, sulfentrazone

ZOYS

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba, dicamba, sulfentrazone, triclopyr+clopyralid, trifloxysulfuron

RYE

Preemergence: none
 Postemergence: carfentrazone, 2,4-D+dicamba, dicamba, sulfentrazone, triclopyr +clopyralid



BER=Bermudagrass; ST.A=St. Augustinegrass; CENT=Centipedegrass; BAHI=Bahiagrass; PASP=Seashore paspalum; ZOYS=Zoysiagrass; RYE=Perennial rye winter overseed

Refer to the publication *Pest Control Guide for Turfgrass Managers* at http://turf.ufl.edu/pdf/2012_UF_Pest_Control_Guide.pdf for brand names associated with chemical names listed.

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