

Black Medic Biology and Management in Turf¹

Barry J. Brecke, Ramon Leon, J. Bryan Unruh, and Darcy E. P. Telenko²

Black medic (*Medicago lupulina*) is a dark green annual with spreading, prostrate growth. Leaves are alternate with three leaflets on square stems. Leaflets are obovate to elliptic, toothed near the tip, and have a small spur

on the tip. Bright yellow flowers are produced in tight, compressed clusters at leaf axils. Reproduction occurs via seed in tightly coiled black seed pods.

Herbicide Options for Controlling Black Medic in Florida Turfgrass

(Always refer to the label for specific uses, application rates and turfgrass tolerance)

Refer to the publication *Pest Control Guide for Turfgrass Managers* at https://nwdistrict.ifas.ufl.edu/phag/files/2015/04/2012_UF_Pest_Control_Guide.pdf for brand names associated with chemical names listed.

BER

Preemergence: none
 Postemergence: carfentrazone, clopyralid, 2,4-D, dicamba, quinclorac, sulfentrazone, sulfentrazone+imazethapyr, sulfentrazone+quinclorac, sulfentrazone+2,4-D+MCCP+dicamba, thiencazabazone+iodosulfuron+dicamba, triclopyr+clopyralid, trifloxysulfuron

Preemergence: none

Postemergence: carfentrazone, 2,4-D, dicamba, quinclorac, sulfentrazone, sulfentrazone+imazethapyr, sulfentrazone+quinclorac, sulfentrazone+2,4-D+MCCP+dicamba, thiencazabazone+iodosulfuron+dicamba, triclopyr+clopyralid, trifloxysulfuron

SOYS

ST.A

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

Preemergence: none

Postemergence: carfentrazone, 2,4-D, dicamba, quinclorac, sulfentrazone, sulfentrazone+quinclorac, triclopyr+clopyralid

RYE

CENT

Preemergence: none
 Postemergence: carfentrazone, 2,4-D, dicamba, sulfentrazone, sulfentrazone+imazethapyr, sulfentrazone+quinclorac, sulfentrazone+2,4-D+MCCP+dicamba, thiencazabazone+iodosulfuron+dicamba

BAHI

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

PASP

Preemergence: none
 Postemergence: carfentrazone, quinclorac, sulfentrazone, sulfentrazone+quinclorac



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

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

¹This document is ENH1233, one of a series of the Environmental Horticulture Department, UF/IFAS Extension. Original publication date December 2013. Reviewed October 2016. Visit the EDIS website at <https://edis.ifas.ufl.edu>.

²Barry J. Brecke, professor; Ramon Leon, assistant professor, Agronomy Department; J. Bryan Unruh, professor, Environmental Horticulture Department; and Darcy E. P. Telenko, postdoctoral research associate, UF/IFAS West Florida Research and Education Center; UF/IFAS Extension, Gainesville, 32611.