

Post-emergence herbicides for putting greens

Active ingredient	Trade name/ company†	Weeds controlled	Comments‡	For use on putting greens		
				Creeping bentgrass	Mixed bent + Poa‡	Hybrid bermudagrass
2,4-D + MCPP + dicamba	Eliminate LO/Lesco Threesome/United Turf Alliance Trimec Classic Trimec 899 Trimec Southern } PBI/Gordon Triplet Triplet Low Odor Triplet Hi-D Triplet SF TruPower2 TruPower3 } Nufarm	broadleaf weeds	<ul style="list-style-type: none"> Do not exceed 1 fluid ounce/1,000 square feet on creeping bentgrass greens using 145 gallons/acre spray volume Limit of 2 applications per year May cause temporary injury Do not apply when temperatures exceed 85 F (some labels state 90 F) Label neither allows nor restricts applications to bermudagrass greens 	Yes	Yes	Yes
2,4-D + dicamba + quinclorac	2DG/Quali-Pro	broadleaf weeds	<ul style="list-style-type: none"> Do not apply this product when temperatures are greater than 90 F Limit of 2 applications per year Label neither allows nor restricts applications to bermudagrass greens 	Yes	No	Yes
2,4-D + MCPP + dicamba + pyraflufen ethyl	4-Speed/Nufarm RedZone 2/Lesco	broadleaf weeds	<ul style="list-style-type: none"> Avoid applications during periods when turf is under stress due to high heat, humidity, or reduced moisture Slight turf yellowing will disappear after about 1 week Limit of 2 applications per site per year Label neither allows nor restricts applications to bermudagrass greens 	Yes	Yes	Yes
2,4-D + triclopyr + dicamba + pyraflufen ethyl	4-Speed XT/Nufarm	broadleaf weeds	<ul style="list-style-type: none"> Avoid applications during periods when turf is under stress due to high heat, humidity, or reduced moisture Slight turf yellowing will disappear after about 1 week Limit of 2 applications per site per year Label neither allows nor restricts applications to bermudagrass greens 	Yes	Yes	Yes
Carfentrazone	QuickSilver T&O/FMC Corp.	broadleaf weeds silvery thread moss	<ul style="list-style-type: none"> Adjust rate to 6.7 fluid ounces/acre to control silvery thread moss Apply as often as every 2 weeks to putting greens infested with silvery thread moss at temperatures ≤ 85 F Annual bluegrass can be damaged at rates greater than 2.0 ounces/acre Use nonionic surfactant (NIS) at 0.25% (v/v). Do not apply if Bensuc (bensulide) has been applied within the previous 75 days 	Yes	Yes	Yes
Carfentrazone + MCPP + MCPA + dicamba	PowerZone/PBI/Gordon	broadleaf weeds	<ul style="list-style-type: none"> Label neither allows nor restricts applications to bermudagrass greens 	No	No	Yes
Carfentrazone + 2,4-D + MCPP + dicamba	SpeedZone/PBI/Gordon	broadleaf weeds	<ul style="list-style-type: none"> Label neither allows nor restricts applications to bermudagrass greens Limit of 2 applications per site per year 	No	No	Yes
Dicamba	Banvel/Arysta LifeScience Diablo/Nufarm	broadleaf weeds	<ul style="list-style-type: none"> Label neither allows nor restricts use on greens May cause injury to creeping bentgrass at rates greater than 0.5 pound ai/acre As little as 4 fluid ounces/acre will provide adequate weed control 	Yes	Yes	Yes
Diclofop	Illoxan/Bayer	goosegrass	<ul style="list-style-type: none"> Restricted-use pesticide Product will no longer be available after December 2014 	No	No	Yes
Foramsulfuron	Revolver/Bayer	goosegrass annual bluegrass	<ul style="list-style-type: none"> Used to remove overseeded cool-season grasses on bermudagrass greens but will also control annual bluegrass and certain broadleaf weeds 	No	No	Yes
Mecoprop (MCPP)	Mecomec 2.5 + 4SL/PBI/Gordon MCPP-p 4 Amine/Nufarm	broadleaf weeds	<ul style="list-style-type: none"> Do not apply when temperatures exceed 90 F 	Yes	Yes	No
MCPP + 2,4-D + dicamba	Trimec Bentgrass Formula/ PBI/Gordon	broadleaf weeds	<ul style="list-style-type: none"> Contains less 2,4-D compared to Trimec Classic May cause temporary injury Limit of 2 applications per site per year 	Yes	No	No
MCPA + MCPP + dicamba	Trimec Encore/PBI/Gordon Tri-Power/Nufarm	broadleaf weeds	<ul style="list-style-type: none"> Do not exceed 1.0 fluid ounce/1,500 square feet on creeping bentgrass greens using a spray volume of 5 gallons/1,000 square feet Do not apply to bentgrass under stress Do not apply when temperatures exceed 85°F Slight yellowing will occur within a week Label neither allows nor restricts applications to bermudagrass greens 	Yes	No	Yes
Pronamide	Kerb/Dow Agrosiences	annual bluegrass select broadleaf weeds	<ul style="list-style-type: none"> Restricted-use pesticide Label neither allows nor restricts applications to bermudagrass greens 	No	No	Yes
Rimsulfuron	TranXit/DuPont QP Rimsulfuron 25DF/Quali-Pro	annual bluegrass and other cool-season species	<ul style="list-style-type: none"> Used to remove overseeded cool-season grasses on bermudagrass greens but will also control certain broadleaf species Use nonionic surfactant (NIS) at 0.25% (v/v). 	No	No	Yes
Sulfentrazone + 2,4-D + MCPP + dicamba	Surge/ PBI/Gordon SureZone/United Turf Alliance	broadleaf weeds	<ul style="list-style-type: none"> Label neither allows nor restricts applications to bermudagrass greens Limit of 2 applications per site per year 	No	No	Yes
Trifloxysulfuron	Monument 75WG/Syngenta	annual bluegrass sedge/kyllinga species select broadleaf weeds	<ul style="list-style-type: none"> Label neither allows nor restricts applications to bermudagrass greens Use nonionic surfactant (NIS) at 0.25% (v/v) 	No	No	Yes

†Herbicide labels that contain specific use instructions for putting greens should generally be regarded as having a higher level of safety (shaded green) than those that have labeling that neither allows nor restricts applications to putting greens (shaded yellow). Cells shaded red indicate that the herbicide is not labeled for use on that particular turf species.

‡Putting greens where management practices are aimed at maintaining and not reducing annual bluegrass.

Table 2. Post-emergence herbicides labeled for use on putting greens. For each product, consult the label for the recommended use rate.