

USE AND TIMING OF GLYPHOSATE (ROUNDUP PRO[®] AND QUIKPRO[™]) IN TURF CONVERSION TO ROUNDUP READY[®] BENTGRASS. Michael B. Faust and Donald L. Suttner, Turf Specialist, The Scotts Company, Marysville, OH 43041 and Technical Lead Turf and Ornamentals, Monsanto Company, St. Louis, MO 63141-7843.

Golf course superintendents require effective turf conversion protocols that minimize the timeframe out of play to facilitate adoption of Roundup Ready bentgrass. Creeping bentgrass, perennial ryegrass and Kentucky bluegrass stands managed as golf course fairway turf were converted to Roundup Ready bentgrass in several trials conducted over multiple years. Treatments including the glyphosate based herbicides, Roundup PRO and QuikPRO were compared for their ability to rapidly convert from Crenshaw creeping bentgrass to Roundup Ready bentgrass. Conventional renovation protocols such as dazomet (Basamid[®]), trinexapac-ethyl (Primo[®] Maxx) and mechanical sod removal were also evaluated. QuikPRO applied 1 day prior to seeding combined with core aeration and vertical mowing on the day of seeding provided for the most consistent, rapid establishment of Roundup Ready bentgrass. Roundup PRO applied 1 day prior to seeding combined with mechanical treatments also led to successful establishment and was comparable to sod removal. Trinexapac-ethyl and no chemical treatment combined with mechanical treatment were unsuccessful treatments.