

New Touchdown® Formulations from Syngenta Crop Protection. Venance H. Lengkeek and Charles L. Foresman. Syngenta Crop Protection, Greensboro, NC 27419

Syngenta Crop Protection has been developing and marketing Glyphosate products since the introduction of Touchdown 5® in 1996. This product, which was formulated as a 3.45 AE/Gal trimethyl sulfonium salt of Glyphosate, was soon replaced in the market with a new and improved 3.0 AE/Gal, Diammonium salt of Glyphosate, with the trade name of Touchdown IQ®. Touchdown IQ® is currently registered in over 230 crops including Glyphosate corn, soybeans, and cotton.

In 2003, Syngenta Crop Protection, introduced several new Glyphosate products for testing. A13013M is a 4.17 AE/Gal product formulated as the Potassium salt of Glyphosate with a uniquely built-in, balanced adjuvant system. A13998A is a 5.0 AE/Gal product formulated as the Potassium salt of Glyphosate. This product has no built-in adjuvant system. A13886A is a product containing the Potassium salt of Glyphosate at 2.25 AE/Gal plus s-metolachlor at 3.0 AI/Gal.

Control of Giant foxtail, Common lambsquarters and Velvetleaf with A1303M is equal to that of Roundup WeatherMax™ at acid equivalent rates, while control of these same weeds with A13998A is equivalent to that of Roundup Original™ at acid equivalent rates. Control of Giant foxtail and to some degree Common lambsquarters with A13886A is increased over that Glyphosate alone due to the addition of s-metolachlor.