

**TOUCHDOWN[®] WITH IQ TECHNOLOGY[™] VS. ROUNDUP[™] ULTRAMAX:
TOLERANCE AND YIELD OF ROUNDUP READY COTTON
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Abstract

Cotton trials conducted in 2000 (data not shown) concluded that when observed cotton response was similar between Touchdown[®] with IQ Technology[™] (TD) and Roundup Ultra[®] (RU). Injury symptoms included general chlorosis and stunting. Symptoms were maximized under cool, damp, cloudy conditions at and following application. Crop response did not result in yield reductions. Cotton yields were similar between TD & RU. However, comparisons were not made with Monsanto's newest glyphosate formulation Roundup[™] UltraMax (RUMAX). This comparison was the focus of Syngenta's 2001 glyphosate program.

Numerous trials were conducted across the cotton belt. Excellent cotton tolerance was observed with all applications TD and RUMAX. Averaged across trials, injury was less than 3% at 5-7 days after application (DAA). No significant differences were observed between TD and RUMAX. Seed cotton yield from glyphosate treated plots were not reduced compared to the untreated check. There were no significant seed cotton yield differences between TD and RUMAX. Average seed cotton yields from glyphosate programs ranged from 2022 to 2230 lb/acre.