

## **NAME BRAND VS GENERIC GLYPHOSATE**

Andy Kendig, University of Missouri Delta Center

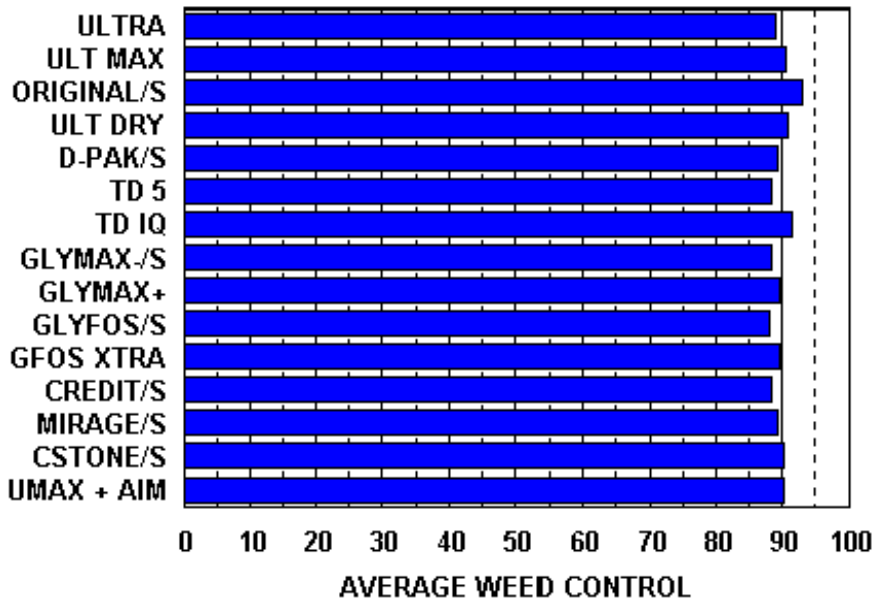
A common question in recent years has asked if any of the generic or name-brand Roundup-type products were better or worse compared to the others. For the last two years, with funding from the Missouri Soybean Merchandising Council, we have been comparing numerous glyphosate (Roundup-type) products to determine if they perform similarly.

"Glyphosate" is the chemical name for the active ingredient in Roundup. It is now "politically correct" to say "glyphosate" when referring to Roundup or generic equivalents.

Seventeen different versions of glyphosate were applied to Roundup Ready soybeans when weeds were approximately 2" tall. Weed control was evaluated and the herbicides and weed control ratings are shown in the graph on page two. Only minor differences were observed between the glyphosate formulations and these differences were most likely due to variations in the weed populations from plot to plot.

Something to think about: A number of advertisements have shown computer-enhanced, color photos which supposedly show that one product is translocated better than another. There are two very interesting things that growers should consider. First, it is interesting that each company's photos shows that their product translocates better. However, a more important consideration, is that apparently neither company can show you that their product actually controls weeds better. If that type of data existed, then the advertisements would show weed control instead of computer photos. We have recently joked that if a sales rep can prove that his glyphosate provided GREATER than 100% weed control, you should use his product.

Customer service is another important consideration. Major chemical companies have representatives to assist you if something goes wrong. Smaller manufacturers may not provide as good of support. It may be worthwhile to choose the product of a trusted sales rep as opposed to using a new, unsupported brand of glyphosate.



Treatments were applied at 1 qt/A equivalent of old Roundups or 1 lb/A equivalent of IP glyphosate or 0.75 lb/A of glyphosate acid. Surfactant was added to formulations that did not contain the full surfactant load. Weed control represents the average control of crabgrass, goosegrass, Palmer amaranth, common cocklebur and ivyleaf and entireleaf morningglory. Key: Ultra = Roundup; Ult Max = Roundup UltraMax; Original/S = Roundup Original + surfactant; Ult Dry = Roundup UltraDry; D-Pak = Roundup D-Pak + surfactant; TD 5 = Touchdown 5; TD IQ = Touchdown IQ; Glymax-/S = Glyphomax + surfactant; Glymax+ = Glyphomax Plus; Glyfox/s = Glyfos + surfactant; Gfos Xtra = Glyfos Xtra; Credit/S = Credit + surfactant; Mirage/S = Mirage + surfactant; Cstone/s = Cornerstone + Surfactant and Umax + Aim = Roundup Ultramax + 1/6 oz product/A of Aim.