

Timing the First Glyphosate Application in Roundup Ready Sugarbeet – Jeff Stachler

Glyphosate should be applied to Roundup Ready sugarbeet when weeds reach 1 to 2 inches in height and before sugarbeet reaches the 4- to 6-leaf stage of development. Weed competition and subsequent yield loss is likely to occur if glyphosate is applied beyond this time period except for sparse weed populations. Apply glyphosate at 0.98 pounds acid equivalent per acre (lbs ae/A) in the initial application. A glyphosate rate of 0.98 lb ae/A is equivalent to 28 fluid ounces per acre (fl oz/A) of Roundup branded products, 41 fl oz/A of 3.0 lbs ae per gallon (lbs ae/gal) products, and 34 fl oz/A of 3.7 lbs ae/gal products. If weeds are greater than three inches in height at the time of the initial glyphosate application, glyphosate should be applied at 1.125 lbs ae/A. This rate is the maximum rate allowed in a single application and is equivalent to 32 fl oz/A of Roundup branded products, 48 fl oz/A of 3.0 lbs ae/gal products, and 39 fl oz/A of 3.7 lbs ae/gal products. Once sugarbeet reaches the 8-leaf stage of development, the maximum rate of glyphosate that can be applied in a single application to Roundup Ready sugarbeet is 0.75 lb ae/A.