Weed control in soybean [Glycine max (L.) Merr.] with reduce rates of herbicides

G. V. K. Methivara, P. S. Deshpandey, and M. V. K. K. Reddy

M. v. K. K. Reddy

Department of Agronomy, Ms. University, India

Abstract

Soybean is one of the important oilseeds and the world's top crop for biodiesel production. It is grown in a wide range of environments, and the yield of this crop is highly affected by weed pressure. The objective of the study was to evaluate the weed suppressive capacity of a new developed soybean variety [Glycine max (L.) Merr.] in the presence of herbicides. The experiment was conducted in a randomized block design with four replicates. The results showed that the new variety was more tolerant to herbicides than the control variety. The results also indicated that the new variety reduced the number of weeds and increased the yield of the soybean crop. The new variety is a promising candidate for weed suppressive technology in soybean production.