

Warrant[®] Herbicide Offers Residual Weed Control in Soybeans

Warrant[®] Herbicide is an encapsulated acetochlor-based, post-emergent herbicide for use over the top of soybeans. It offers the residual control of tough weeds expected from acetochlor, in a formulation that is safe to apply postemergence (POST) in soybeans.

Crop Safety and Efficacy

The unique microencapsulated acetochlor formulation provides excellent crop safety for POST applications in soybeans (Figure 1). Warrant[®] Herbicide can provide excellent control of tough weeds such as waterhemp, pigweeds, and annual grasses, prior to emergence (Figures 2 and 3). Warrant[®] Herbicide can be tank mixed with Roundup PowerMAX[®] herbicide or Roundup WeatherMAX[®] herbicide on Roundup Ready[®] or Genuity[®] Roundup Ready 2 Yield[®] soybeans.

Figure 1. Crop safety differences 7 days after an application at V3. Trial was located in northwest lowa in 2009.



Warrant[®] Herbicide (3 pt./acre) + Roundup WeatherMAX[®] herbicide (22 oz./acre) + AMS (2% w/w)



EC formulation of acetamide herbicide (labeled rate) + Roundup WeatherMAX® herbicide(22 oz./acre) + AMS (2% w/w)

Application Guidelines

Rates.

Warrant[®] Herbicide can be applied at rates between 2.5 and 4 pts./acre depending on soil type, organic matter, and anticipated weed pressure. Two applications can be made in the same season but no more than 4 qts./acre of Warrant[®] Herbicide can be applied per year.

Acetochlor containing products may be applied to any soil type if a well is not present. Warrant[®] Herbicide may not be applied within 150 feet of a well on certain sandy soils if the water table is within 30 feet of the surface. Consult your retailer for more information on restrictions regarding this product.





Figure 2. Control of common waterhemp from a one pass tank mix of Warrant[®] Herbicide (3 pts./acre) plus Roundup PowerMAX[®] herbicide (40 oz./acre) and AMS (2% w/w) applied at V2 to V3 (left), compared to untreated check (right).



Figure 3. End of season weed control ratings (%) from 20 Monsanto soybean trials in 2009, from a one pass tank mix of Warrant® Herbicide (3 pts./acre) plus Roundup PowerMAX® (22 oz./acre) and AMS (2% w/w) applied at V2 to V3.







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VE through V3.

Timing.

Warrant[®] Herbicide can control weeds prior to emergence. Applications of Warrant[®] Herbicide may be made after soybeans are completely emerged but prior to the R2 growth stage. It is recommended that applications be made before soybeans reach V3 in order to help maximize soil contact, reduce crop interception, and receive the greatest benefit from the residual control (Figure 4). Under most conditions in the Midwest, Warrant[®] Herbicide can provide up to 30 days of residual control, provided a timely rainfall is received for activation.

Summary

Tank mixing Warrant[®] Herbicide and Roundup[®] brand agricultural herbicides is a simple, convenient way to successfully incorporate residual weed control in Roundup Ready[®] and Genuity[®] Roundup Ready 2 Yield[®] soybean fields.

Using Roundup PowerMAX[®] or Roundup WeatherMAX[®] herbicides and Warrant[®] Herbicide at 3 pts./acre qualifies for rebates of \$2.50 and \$3.00/acre, respectively, under the Residual Rewards[®] Program.

Warrant[®] Herbicide offers another herbicide mode of action for the residual control of several tough weeds. The early POST application window is from complete crop emergence to V3. Application of Warrant[®] Herbicide should follow the use of a preplant residual. Using herbicide products that provide soil residual activity with different modes of action and spraying the correct rate of Roundup[®] agricultural herbicides on the correct size weeds are two tactics to help minimize the risk of glyphosate resistance. If you suspect glyphosate-resistant weeds or anticipate heavy weed pressure, the full rate of a preemergence residual herbicide application should be used.

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