

Burndown

Improving Performance of Residual Herbicides

Spectrum Spray adjuvant used with Leadoff® Herbicide from E. I. du Pont de Nemours and Company

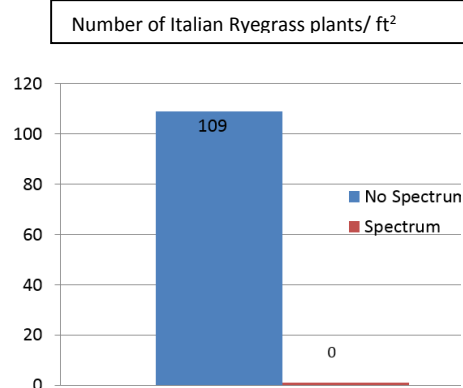
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Applications of Spectrum Spray Adjuvant with Leadoff Herbicide

Glyphosate and LeadOff® were applied with SPECTUM as a burndown treatment and compared to an untreated area on November 3rd, 2011 to evaluate the control of winter annuals broadleaf weeds and grasses including Italian ryegrass. The plots were located in Beaufort County, North Carolina near the town of Slatestone. Glyphosate was applied at 32 oz/A, LeadOff® was applied at 1.5 oz/A and Spectrum was applied at 8 oz/A. When Spectrum was used as a spray additive, Italian ryegrass control was extended out to 49 days after treatment (DAT). See photo below.



At 60 DAT, Italian ryegrass counts were taken in all plots. There were no Italian ryegrass plants in the Glyphosate + LeadOff® + Spectrum treated area, however there were 109 Italian plants/ft² in the untreated area.



SPECTRUM is a proprietary blend of highly refined methylated seed oils whose emulsifier/surfactant system is based on Organo-Modified Siloxane chemistry. SPECTRUM is a superior penetrator and is very effective at lowering the surface tension of spray solutions. SPECTRUM is designed for use with those pesticides or products whose labels recommend the addition of a nonionic spray adjuvant to improve coverage and penetration. Because of its properties, SPECTRUM can improve spray coverage and enhance pesticide performance. It is especially effective in postemergence herbicide and desiccant /defoliant sprays and is well suited for use under adverse weather conditions. This product has been found to increase the stability of some volatile herbicides. In many cases SPECTRUM has shown to improve efficacy of preemergence herbicides and increase the length of control.

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