



Lambsquarters

SoySoap

Palmer Amaranth

Waterhemp

Marestail

Farmers report: 'nano-surfactant' SoySoap helps kill glyphosate-resistant weeds

This season, farmers are again reporting improved crop performance after applying our SoySoap. Yield gains over non-treated controls are widest on lower fertility soil, or when crops are under drought stress.

Also, farmers who tank-mixed our "nano-surfactant" SoySoap with glyphosate are also reporting a *bonus* benefit: *The mix controlled glyphosate-resistant weeds* including Canadian Thistle, Giant Ragweed, Marestail (Horseweed), Velvetleaf, Lambsquarters, Milkweed and many of the toughest varieties of Palmer Amaranth (Pigweed).

The SoySoap formulation we manufacture for agriculture is a powerful surfactant. It softens the protective waxy cuticle on leaves. Tank-mixed with herbicides, it transports effective ingredients directly into plant cells. We don't claim SoySoap is a 100% answer for resistant weeds, but farmers tell us that about 8 oz. per acre of SoySoap in a spray solution "heats up" effectiveness of herbicides. We'll be doing further tests for the most effective rates and formulations. Meanwhile, here are some typical farmer observations from the 2009 crop year:

Leo Perfect of Unadilla GA, told us: "After I applied glyphosate with and without SoySoap, I could go right to the row and see where almost all kinds of Pigweed had dropped, compared with where I didn't put SoySoap in the spray mix.

"And in the past I've usually had to spray twice to kill volunteer peanuts in soybeans. The SoySoap-glyphosate mix killed *all* volunteer peanuts fast — on the first trip."

Chuck Warner of Lebanon, KS applied 16 oz. of generic

glyphosate and 8 oz. of SoySoap per acre as a preplant burn-down when weeds were about 5 in. high. He said: "We saw a 48-hour browning of grasses and Shattercane. My custom applicator could hardly believe how fast it worked."

Tim Disher of Lewisville, NC reported: "When we spiked glyphosate with 8 oz. of SoySoap per acre and sprayed early spring weeds in cool weather, we saw a quick kill, like we do on small weeds in warm summer weather. I've found that 17 oz. of glyphosate plus 8 oz. of SoySoap controls Sicklepod and glyphosate-resistant Lambsquarters."

Jared Lane farms near Meigs, GA. His observation: "Normally I spray soybeans with Roundup three times. This year, I added 8 oz. per acre of SoySoap with Roundup for the first application, and didn't have to spray again. And my soybeans are so green and vigorous they look almost black. We have all kinds of Pigweed here, including the resistant ones. And we have tropical spiderwort — the label rate for that is five quarts. I burned it back with 22 oz. of Roundup with 8 oz. of SoySoap."

Brian McClarren of Delta, OH, said at a field day: "Glyphosate plus 8 oz. of SoySoap killed Marestail in three days."

Active colloids in SoySoap are "nano" sized: less than one billionth of a meter. They can penetrate leaves quickly, carrying molecules of herbicides or foliar-applied nutrients with them. *It's an effective new technology, ready to lift your profits.*

BioBased USA reserves the name *SoySoap* for its family of biobased, non-toxic "nano-technology" formulations to enhance plant growth and clean up our environment. Authorized distributors private-label each BioBased USA product under registration requirements of their state or country. BioBased USA does not sell directly to growers or consumers. For information, please Email: donwilshe@biobased.us See on-farm videos and field reports at our website: www.biobased.us Or call **800-995-9203** Offices: 4237 Cornelius Road, East Bend, NC 27018

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