



2009 Farmers' Report:

SoySoap helps crops resist heat and drought, improves control of glyphosate-resistant weeds

This is the first season our “nanotech” surfactant **SoySoap** was tested nationwide, from Maine to Montana. Southern farmers who’ve used **SoySoap** since 2007 are *again* reporting higher yields and test weights on small grains, soybeans and other crops. Two patterns emerged this season:

The biggest yield gains for **SoySoap**-treated grain crops versus untreated controls occurs under stress such as drought or lower-fertility soils. In 2007-09, Southeastern soybean producers gained 5 to 20 bu. with **SoySoap** in warm, dry conditions. In 2009, Blake Williams of Red River County, northeast Texas, encountered drought and still harvested 48-bu. per acre soybeans he had sprayed with **SoySoap**. His untreated beans yielded 28 bu. per acre less.

A Montana spring wheat grower who encountered drought this season reports that 1,000 acres of spring wheat treated with **SoySoap** averaged 18.1% protein. That raised its value by \$1.90 per bu. compared with his 6,500 acres of untreated wheat — which had a similar yield, but only 16.5% protein.

Another drought-stressed Montana farm averaged only 5.5 bu. of lentils on 4,200 untreated acres, but 11 bu. on 1,100 acres treated with **SoySoap** — a *doubling* of yield.

From North Dakota, another spring wheat grower reports yield increases of 8 to 13 bushels on **SoySoap**-treated fields.

Even under ideal weather, growers are seeing modest yield

gains with **SoySoap**. Dale Lenz (photo above) of Crawford County, Iowa, averaged 61.2 bu. beans with one spray of **SoySoap** — a 1.7 bu. gain over untreated controls. He calls 2009 a “nearly perfect” season — except for a soggy harvest.

Tim Disher’s 750 acres of wheat endured a rainy season in Yadkin County, North Carolina, so he didn’t cut 110-bu. wheat like he did in 2008. But his **SoySoap**-treated wheat tested 65 lbs. per bu. and was free of head scab. Tim’s wheat buyer asked for all the wheat he raised. Tim’s area was infested with scab.

Years of field evidence confirms **SoySoap**’s “nanotech” ability to carry herbicides and nutrients into leaves. Farmers report that glyphosate tank-mixed with **SoySoap** penetrates resistant weeds like Palmer Amaranth and Marehail, controlling them more effectively than glyphosate alone.

Leo Perfect of Unadilla, Georgia, tells 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.” The field at left below was sprayed with glyphosate plus **SoySoap**; the field at right with glyphosate alone. Both had been infested with resistant weeds before spraying.

We expect **SoySoap** will become widely used as a “nutrient transporter” to increase the yield benefit of foliar fertilizers.

Visit our website for updates on 2009 harvest results!

Allen Warren, Stokes, NC, credits **SoySoap** for an extra 1,000 lbs. per acre of burley in 2009.



Sprayed with glyphosate and **SoySoap**

Sprayed with glyphosate alone, at the same rate

Glyphosate-resistant Pigweed near Benson, North Carolina



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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