

# Pig Weed Problems?

Here are the results from this independent study by:



## Controlling Round-up resistant PigWeed (Palmer Amaranth) in Round-up ready crops

- Resistant pigweed has become a huge issue in round-up ready peanuts, cotton and soybeans. And the only way to control them up to now has been costly, and labor intensive hand removal.
- Recently in Georgia Gramoxone by Syngenta has been labeled for use in wipers for controlling Pigweed in peanuts.
- The objective of any wiper would be to put an adequate amount of product to kill the pigweed and yet reduce any damage to the crop below.
- This study conducted by Dr. Eric Prostko (weed scientist at the U of GA) evaluates the effectiveness of both a carpet and sponge applicator.
- In the conclusion you will see that both methods are effective. We encourage farmers to consider the cost comparisons and benefits of each method. Then implement a weed control program that brings the best results at a minimal cost.



### CarpetWiper vs. Sponge Wiper

50% Solution of Gramoxone Inteon  
3.1 MPH, 20" Applicator Height  
AMAPA = 36-86" tall, 66" avg.



NTC

Carpet Wiper

Sponge Wiper

PIG-07-10  
9/21/10  
29 DAT



To watch a video of Dr. Prostko's pigweed presentation visit [www.smucker.net](http://www.smucker.net) for more info on sponge wipers call 800-333-4503



**Cost Evaluation:** For more details and current prices please visit [www.smucker.net](http://www.smucker.net)

**See the results!**



- Applicator Cost:** Cost for the wiper equipment varies, based upon the method (pull-type, front mount, 3 pt., kit) In each version the Sponge Wiper cost is **significantly lower** than an equivalent Carpet Wiper)
- Material Cost:** Because you are applying the material direct to the target weed you will use significantly less material. Use is also determined based upon how heavy the weeds are. Some Farmers have used around 1 quart per acre. Cost per acre on a carpet wiper vs. sponge wiper will not be different. (Gramoxone is a product offered by Syngenta... [link to fact page for Gramoxone](#))
- Crop Damage from Drip Cost:** Both methods require the operator to control the flow of chemical to the applicator, due to various weed infestation levels. According to the weed scientist at the Univ. of GA the carpet applicator was harder to see when it was dripping. Therefore in theory only, the reason for 5% more weed kill in the Bio mass evaluation...the weeds below the 20" height were potentially killed with drip from the carpet wiper. No matter what conclusion you make...the Pigweed (AMAPA) over 20" in height had 99% control with both methods
- Total width potential:** Capet wiper widths range from 6 to 50 feet. Sponge wipers range from 5 to 120 feet and can be attached to ATV, Tractors, and self propelled sprayers.

**Conclusion: Sponge wipers are less expensive, as effective, and can cover more acres in less time**