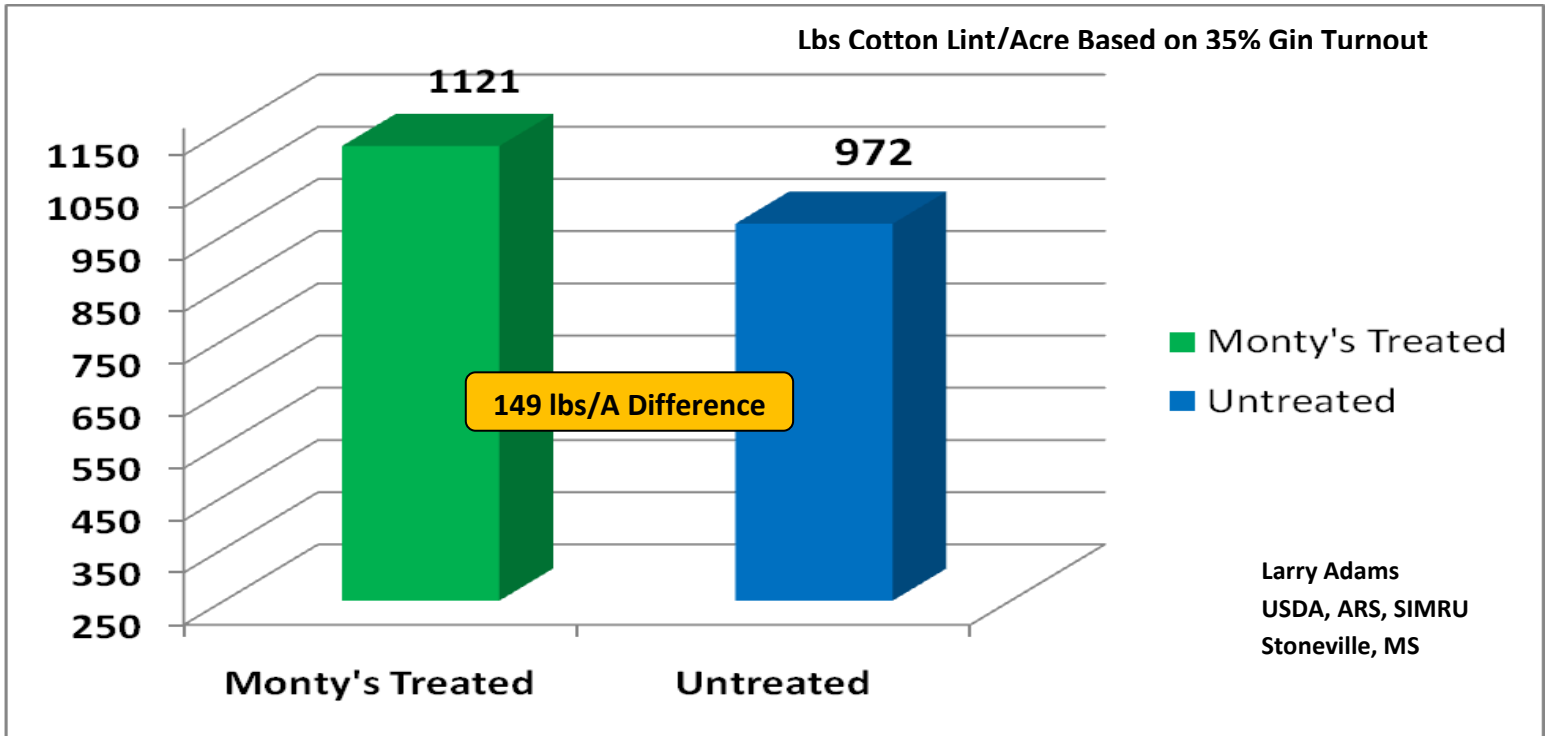


2010 Monty's Plant Food Study

USDA Cotton Yield



Research Plot Design

The plots were replicated four times with four rows x 50'. The variety, ST4498B2RF, was planted on 4/19/2010 using 40" row spacing. A plant population count of 45,000 plants/Acre was recorded on 5/6/2010. Plots were harvested on 9/16/2010.

Insect Sampling

Sweep Net samples were taken weekly using a 15" sweep net with 100 sweeps at intervals of 25. After bloom stage 24' drop cloth samples per treatment were taken to determine insect infestations. Insect populations were recorded and treatments applied as needed.

Insecticide Treatments

Bidrin @ .40 ai/A was applied to all plots on 5/4/2010. *Bidrin @ .40 ai/A* was applied to all plots on 6/15/2010. *Centric @ 2.5 oz/A* was applied to all plots on 6/21/2010. *Orthene @ .75 ai/A* was applied on 6/29/2010. *Bidrin @ .40 ai/A plus Asana @ .05 ai/A plus Stance @ 3 oz/A* was applied on 7/6/10. *Vydate @ .375 ai/A* was applied on 7/9/10. *Stance @ 2 oz/A plus Zephur @ .009 ai/A* was applied on 7/14/10. *Orthene @ .75 ai/A plus Brigade @ .10 ai/A* was applied on 7/21/10. *Bidin @ .50 ai/A* was applied on 7/26/10. *Belt @ .09375 ai/A* was applied on 8/5/10.

Herbicide Treatments

Ignite 280 @ 28 oz/A was applied on 4/15/10. *Staple @ 1.3 oz/A plus Roundup @ 32 oz/A plus Dual @ 16 oz/A plus Envoke @ .10 oz/A* was applied on 6/15/10. *Select @ 12 oz/A* was applied on 6/24/10. *Ginstar @ 10 oz/A plus Finish @ 5.33 oz/A* was applied on 9/13/10.

Fertilizer

100 units of ammonia nitrate was applied to all plots

Monty's Foliar Feed Treatments

24 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon – 4th Leaf Stage – 5/18/10
32 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon – Pin-Head Square Stage – 6/7/2010
24 oz/A of 2-15-15 plus 16 oz/A of Liquid Carbon – Early Bloom Stage - 6/21/2010