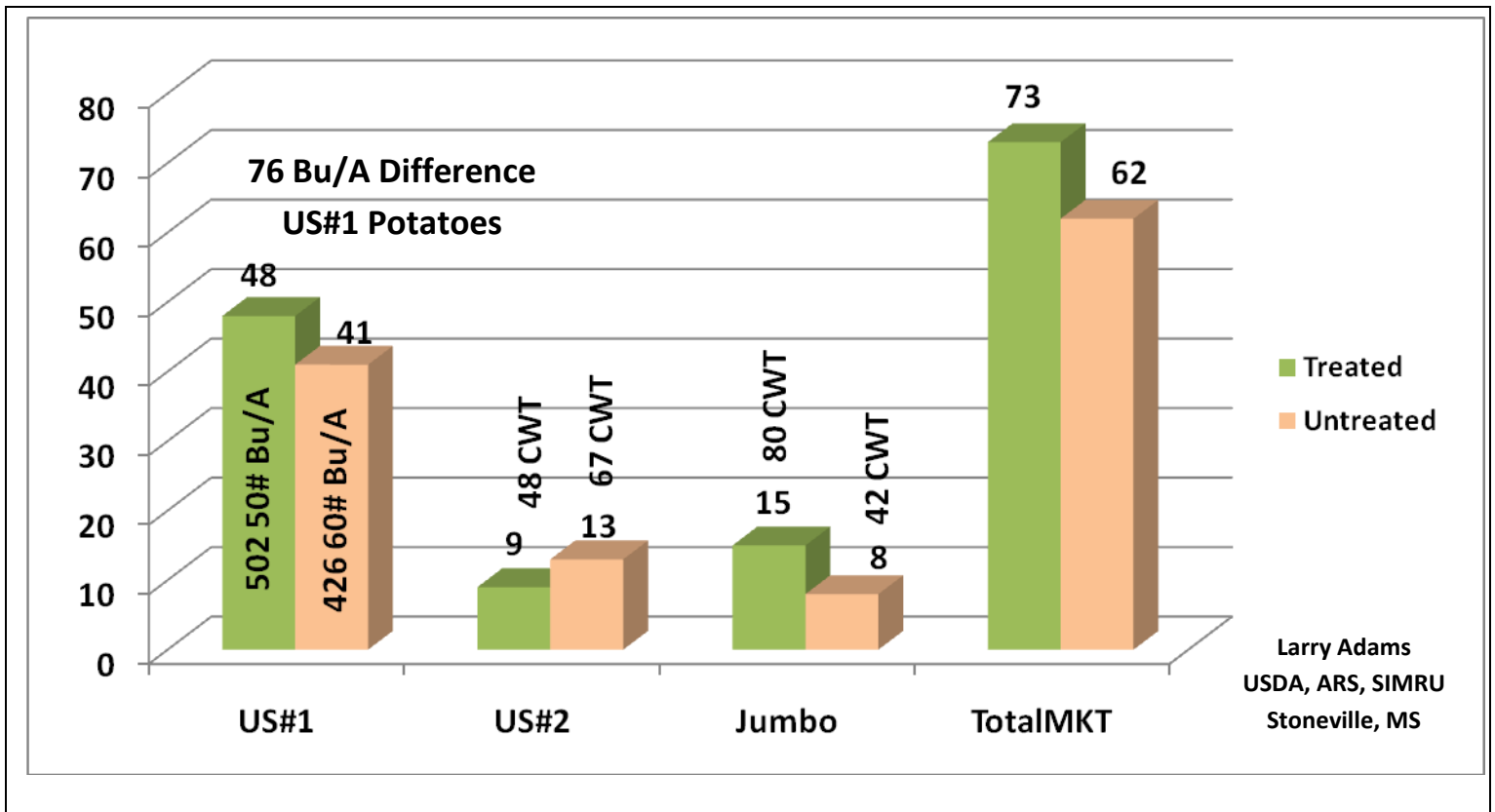




2009 Monty's Plant Food Study

USDA Sweet Potato Yield Data



USDA Research Plot Design

Sweet Potato plots were replicated four times with four rows x 60'. Recommended herbicides, a soil incorporated insecticide and nematicide were applied before transplanting. The Covington variety sweet potato slips were transplanted using a two row transplanter at 12" spacing on 6/4/2009. Plots were harvested on 10/26/2009 at 144 days after transplanting.

Monty's Foliar Plant Food Treatments

24 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon 12 days after transplanting – 6/16/09

32 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon 28 days after transplanting - 7/2/09

24 oz/A of 2-15-15 plus 16 oz/A of Liquid Carbon at "Lay-By" – 8/6/09

24 oz/A of 2-15-15 plus 16 oz/A of Liquid Carbon - 8/20/09

Insect Sampling

Sweep net samples were taken weekly using a 15" sweep net with 100 sweeps at intervals of 25. Insect populations were recorded and treatments applied as needed.

Insecticide Treatments

K-Pam @ 8 Gal/A plus *Lorsban* @ 4 pts/A, incorporated, was applied before transplanting to all plots. *Phaser* @ .75 ai/A was applied to all plots on 8/11/09. *Intrepid* @ .156 ai/A plus *Brigade* @ .10 ai/A plus *Phaser* @ .75 ai/A on 9/11/09. *Mustang Max* @ .025 ai/A plus *Phaser* @ .75 ai/A

Fertilizer

30 units of ammonia nitrate was applied to all plots.