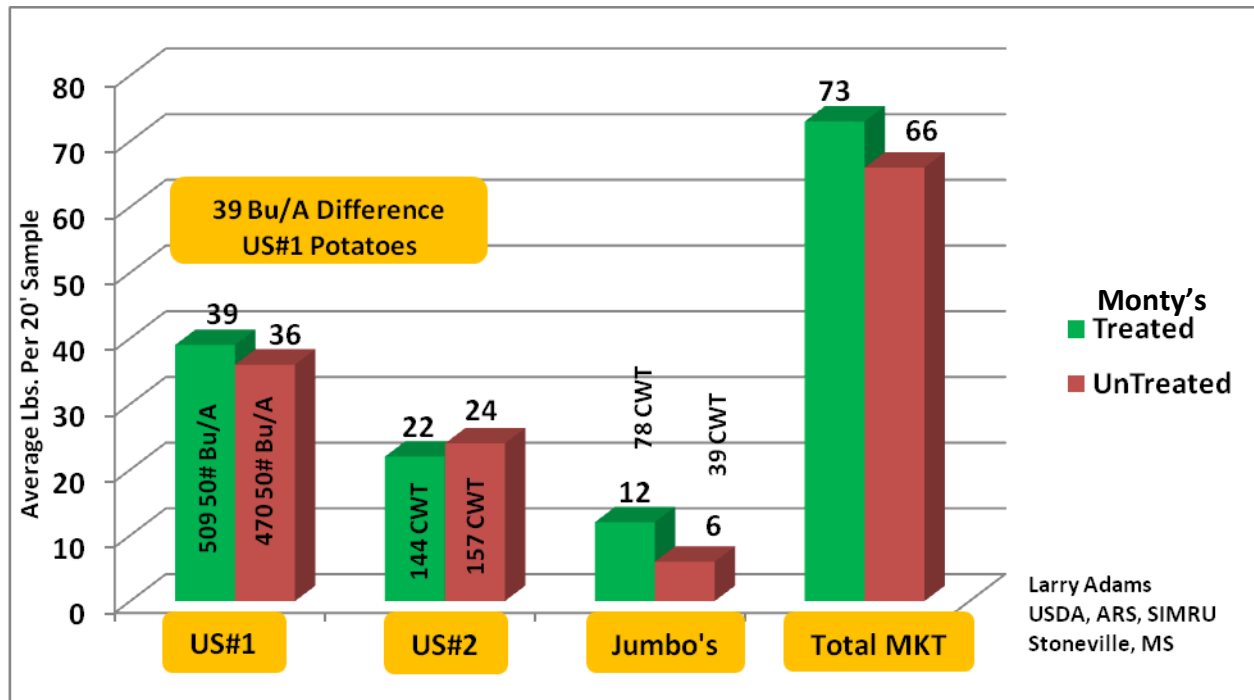


2010 Monty's Plant Food Study

USDA Sweet Potato Yield



Research Plot Design

Sweet potato plots were replicated four times with four rows x 50'. Recommended herbicides, a soil incorporated insecticide and a nematicide were applied before transplanting. Covington variety sweetpotato slips were transplanted using a two row transplanter at a 12" spacing on 5/24/2010. Plots were harvested on 9/9/2010 at 104 days after transplanting.

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* @ 4pts/A incorporated, was applied before transplanting to all plots *Mustang Max* @ .025 ai/A was applied on 8/5/2010.

Herbicide Treatments

Valor @ 2.5 oz/A was applied pre-plant to all plots. *Dual Magnum* @ 10 oz/A plus *Command ME* @ 2.0 pts/A was applied post-plant to all plots on 6/8/2010. *Select* @ 12 oz/A was applied on 7/2/2010.

Fertilizer

30 units of ammonia nitrate was applied to all plots on 5/6/2010

Monty's Foliar Feed Treatments

24 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon 14 days after transplanting – 6/7/2010

32 oz/A of 8-16-8 plus 16 oz/A of Liquid Carbon 28 days after transplanting – 6/21/2010

24 oz/A of 2-15-15 plus 16 oz/A of Liquid Carbon at "Lay-By" – 7/12/2010

32 oz/A of 2-15-15 plus 16 oz/A of Liquid Carbon - 7/26/2010