

## Non-treated control



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre NIS @ 1 pint/100 gal



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre Dual Magnum @ 16 oz/acre NIS @ 1 pint/100 gal



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre Warrant @ 48 oz/acre NIS @ 1 pint/100 gal



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre Outlook @ 13 oz/acre NIS @ 1 pint/100 gal



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre Zidua @ 2.5 oz/acre NIS @ 1 pint/100 gal



Gramoxone @ 8 oz/acre Basagran @ 8 oz/acre Anthem Flex @ 2.7 oz/acre NIS @ 1 pint/100 gal

# Expanding On-Farm Testing Through Large-Scale Research

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## Cost

50% NCPGA

25% Extension Administration

5% DEPP (Shew)

5% CSS (Jordan)

5% Birdsong

5% Severn

5% BASF, Bayer, Syngenta

## Yield (Ibs/acre) of Bailey II, Emery and Sullivan Martin County, Ben Cowin and Lance Grimes

p = 0.73357000 а а а 6500 6000 5500 5000 4500 4000 3500 3000 2500 2000 1500 1000 500 0

Bailey II

## Yield (Ibs/acre) of Bailey II, Emery and Sullivan **Columbus County, Ellis Jordan and Lydia Miles**



Emery

Sullivan

## Yield (Ibs/acre) of Bailey II, Emery and Sullivan Chowan County, Beech Fork Farms and Matthew Leary



### Yield (Ibs/acre) of Bailey II, Emery, Sullivan, Wynne and Walton Bertie County, David Leggett and Billy Barrow



## Peanut Yield (Ibs/acre) Response to Apogee Martin County, John David Williams and Lance Grimes

а 5500 ab p = 0.08295000 b 4500 4000 3500 3000 2500 2000 1500 1000 500 0

No Apogee

One Early Spray

**Two Sprays** 

# Peanut Yield (Ibs/acre) Response to Apogee

**Columbus County, Ellis Jordan and Lydia Miles** 



No Apogee

**Two Sprays** 

## Peanut Yield (Ibs/acre) Response to Seeding Rate Martin County, Geoffrey Corey and Sons Farms, Inc. and Lance Grimes



## Peanut Yield (Ibs/acre) Response to Seeding Rate Northampton County, Mike and Brandon Belch and Craig Ellison



5.1 seed/foot

5.5 seed/foot

6 seed/foot

## Peanut Yield (Ibs/acre) Response to Seeding Rate Bertie County, Joey Baker and Billy Barrow



4 seed/foot

## Peanut Yield (Ibs/acre) Response to Digging Speed Columbus County, Ellis Jordan and Lydia Miles



## Summary

No difference in yield was noted when comparing Bailey II, Emery and Sullivan in three trials (Chowan, Columbus and Martin Counties) and Bailey II, Emery, Sullivan, Wynne and Walton in one trial (Bertie County)

Peanut yield at seeding rates of 4, 5, and 6 seed per foot (Martin and Bertie Counties) or 5.1, 5.5, and 6 seed per foot (Northampton County) did not differ

Two applications of Apogee increased peanut yield in two trials compared with non-treated peanut (Columbus and Martin Counties)

Digging at 4.0 mph with a KMC digger resulted in lower yields compared with digging at 2.6 mph in a trial in Columbus County



http://www.webhadss.ncsu.edu

https://cropmanagement.cals.ncsu.edu/weeds/herbicideselect.aspx

https://cropmanagement.cals.ncsu.edu/risk-tools/ncrisktools.html