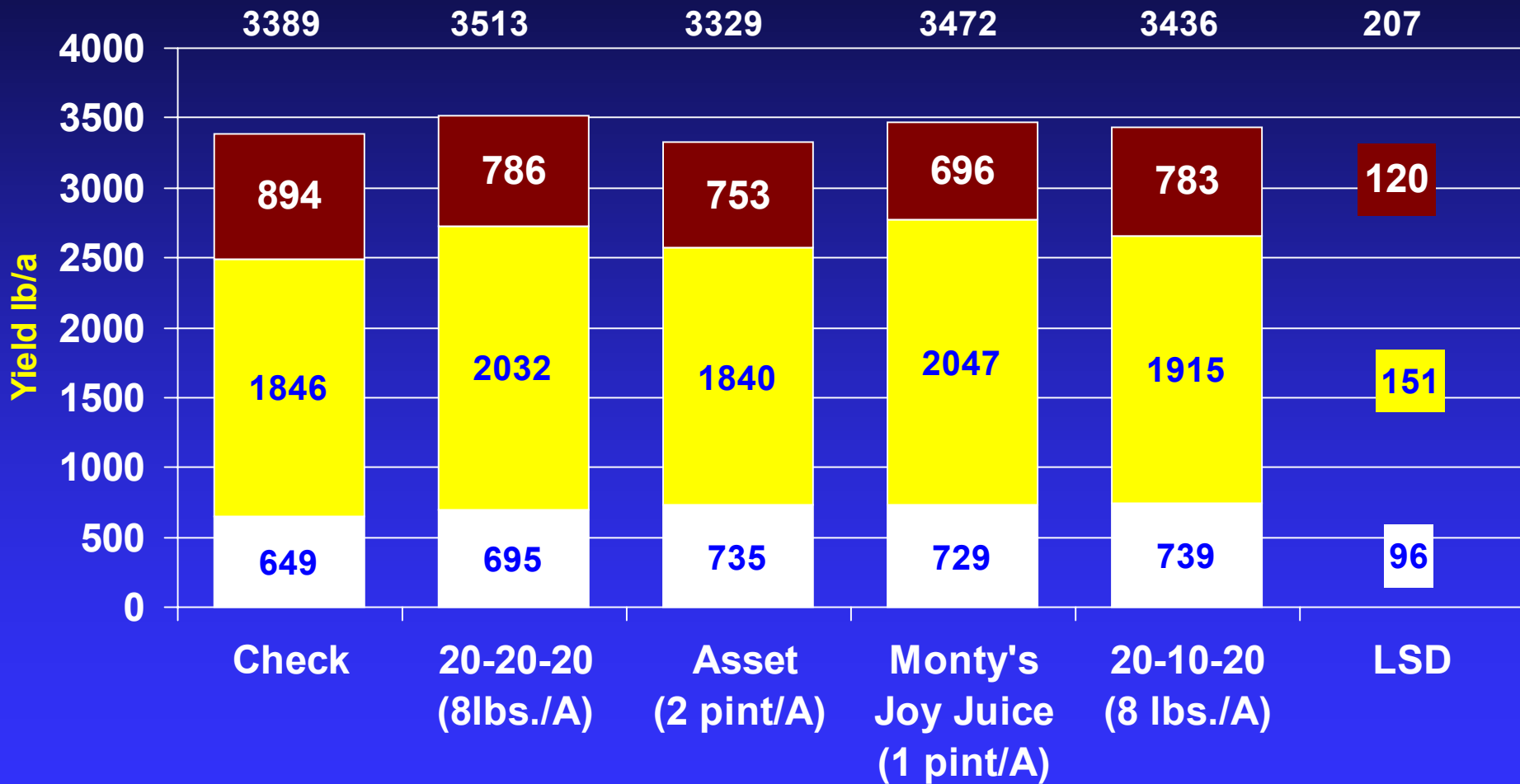


Fertility Trials

Fertility trials included transplant water treatments, nitrogen sources, nitrogen rates and Poultry Litter. Drought overshadowed many of the trials in 2002. Transplant water treatments did not significantly improve yield in Lincoln Co. While N-source trials in Casey and at the Mike Huff farm in Jackson Co. were similar to previous years, at some locations applying all of the N prior to planting was sufficient due to drought conditions. In Casey Co. yield reach an optimum at 882 lb/a of Ammonium Nitrate. In Meade and Pulaski yields were significantly affected by drought and increasing N rate or sidedressing produced no benefit. The addition of chicken litter improved yield in one location, had little effect in one and reduced yield in a third. Chlorine content is a concern in chicken litter.

Transplant Water Additive Study Lincoln Co. – Roy Reichenbach Farm

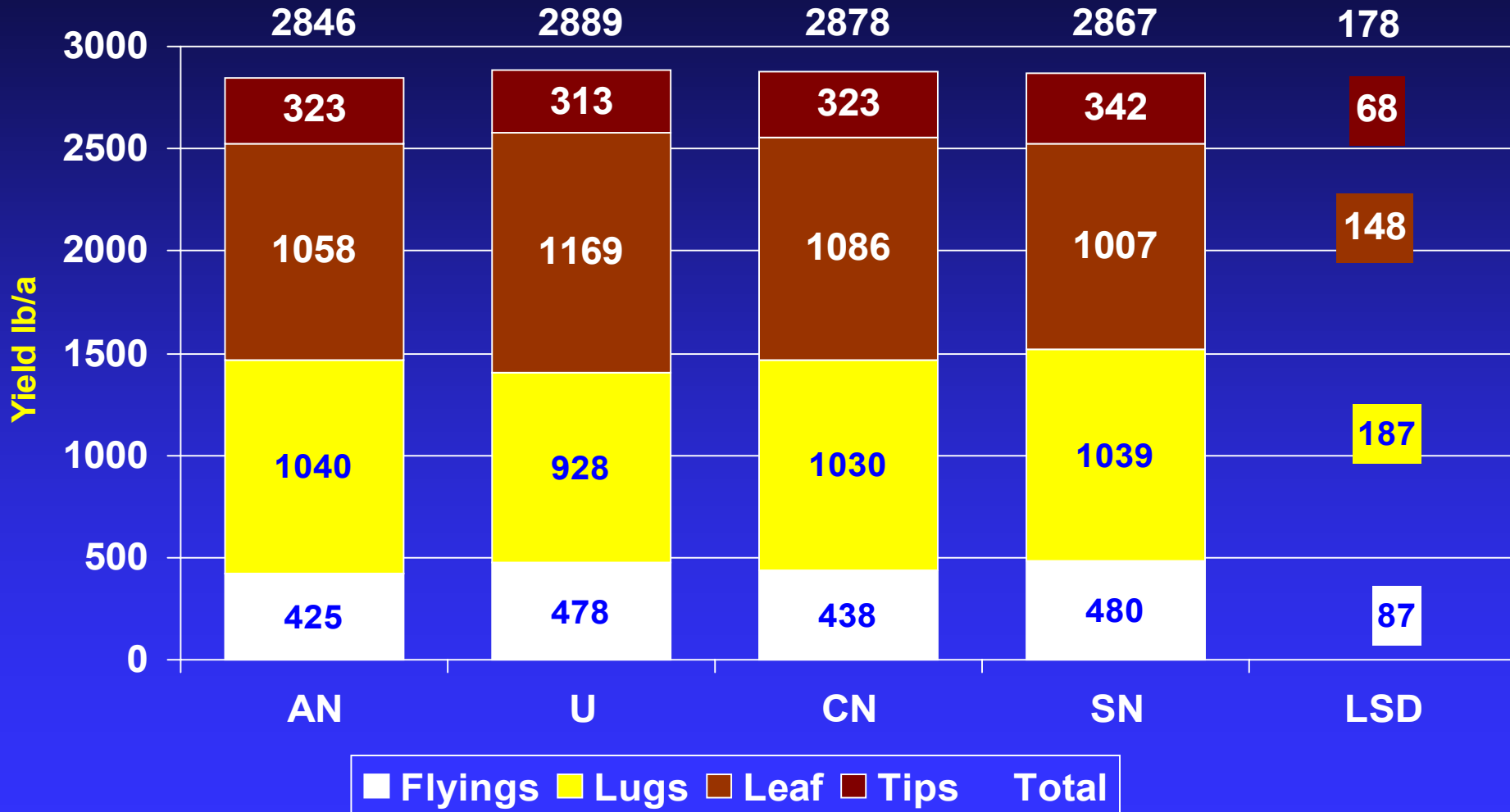


Flyings
 Lugs
 Leaf

All treatments received Orthene 97 (0.75 lbs/A) and Admire 2 F (8 oz./A.)

Nitrogen Source Study

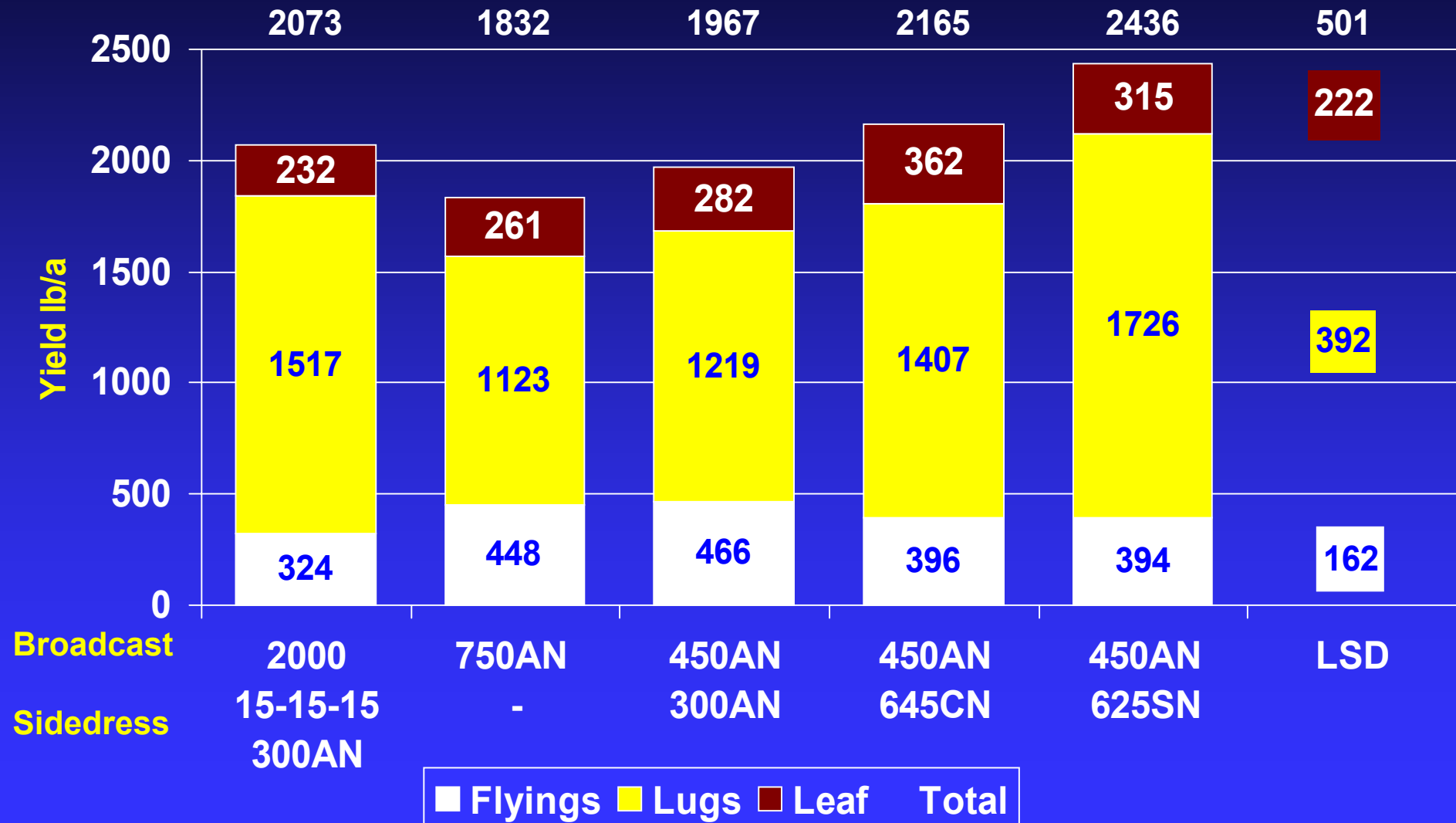
Harrison Co. – Keith Smith Farm



100 units AN Broadcast Sidedressed with 170 units each,
 AN = Ammonium Nitrate, U= Urea, CN = Calcium Nitrate, SN = Sodium Nitrate

Fertility Trial

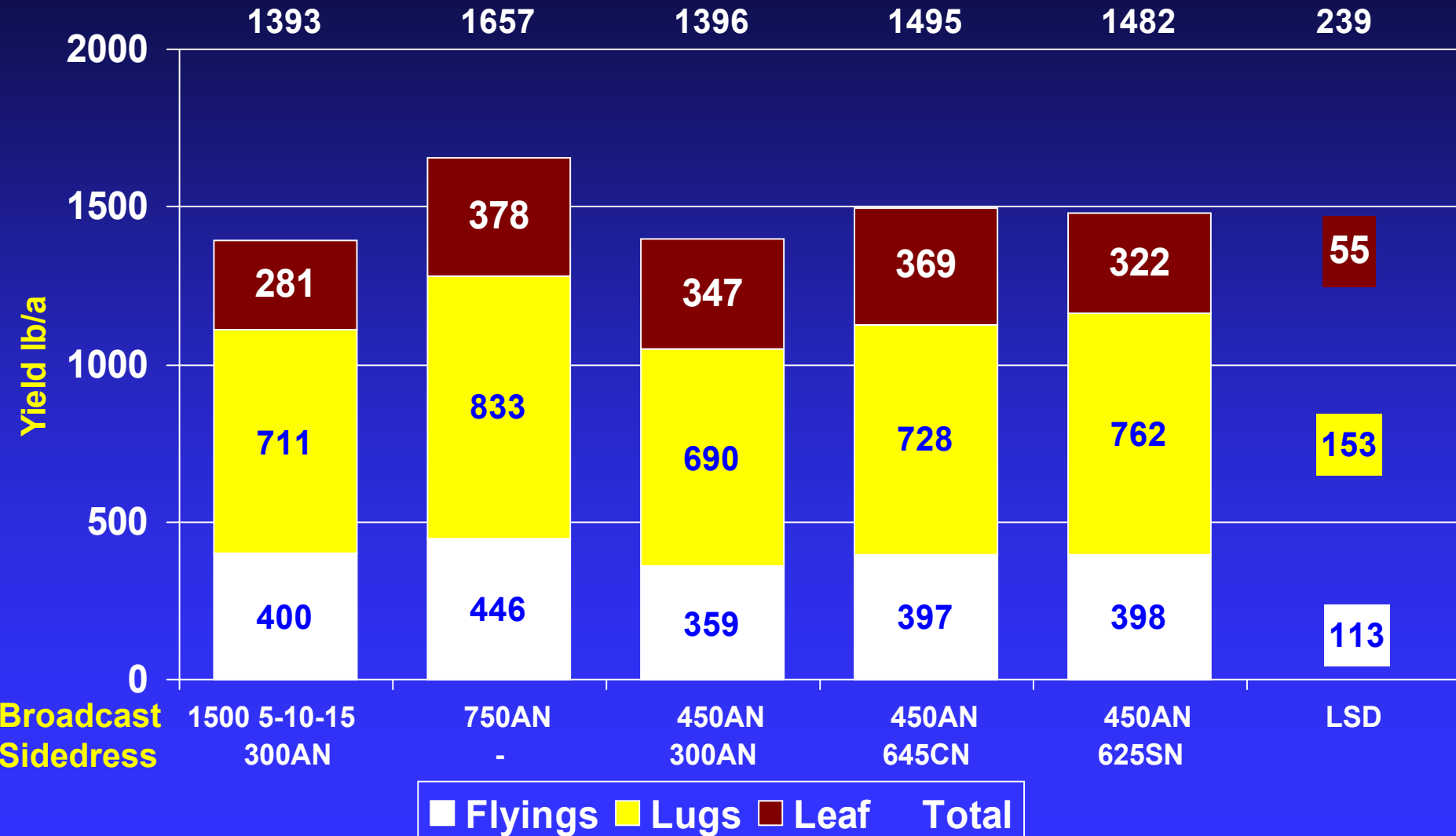
Casey Co. – Jerry Lynn Farm



Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, SN = Sodium Nitrate

Fertility Trial

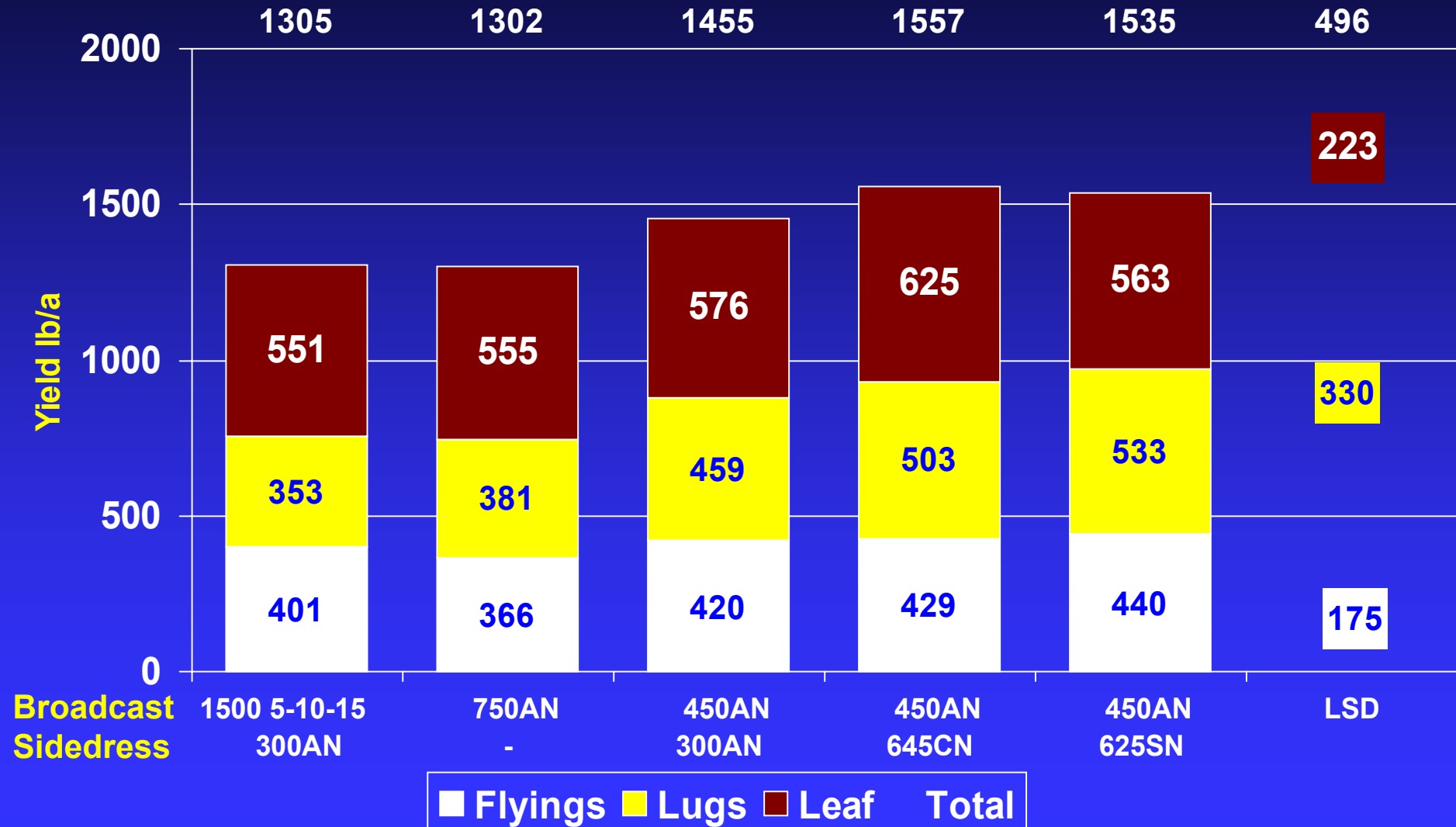
Jackson Co. – Ron Madden Farm



Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, SN = Sodium Nitrate

Fertility Trial

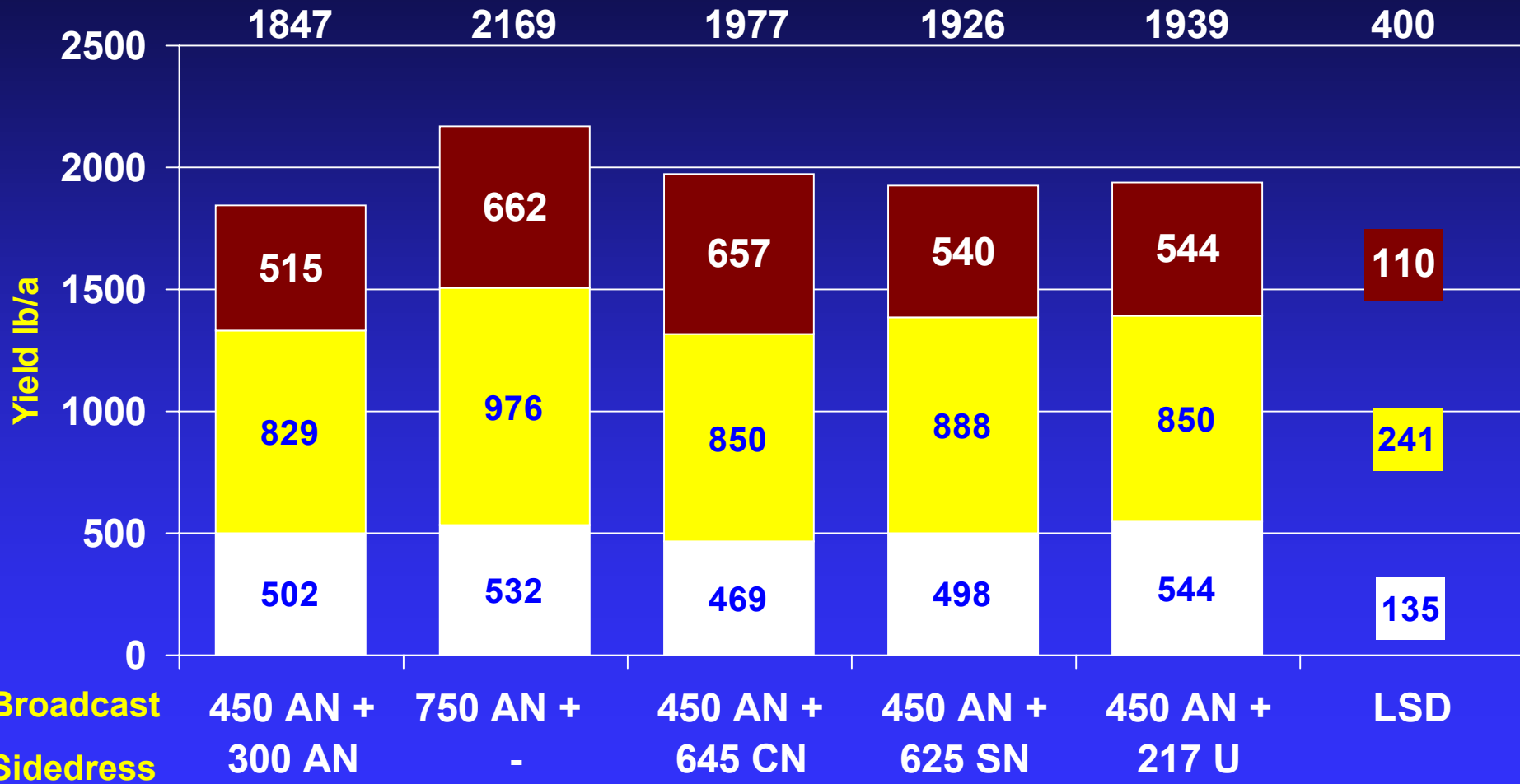
Jackson Co. – Mike Huff Farm



Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, SN = Sodium Nitrate

Conventional Fertility Trial

Monroe Co. – Al Pedigo Farm

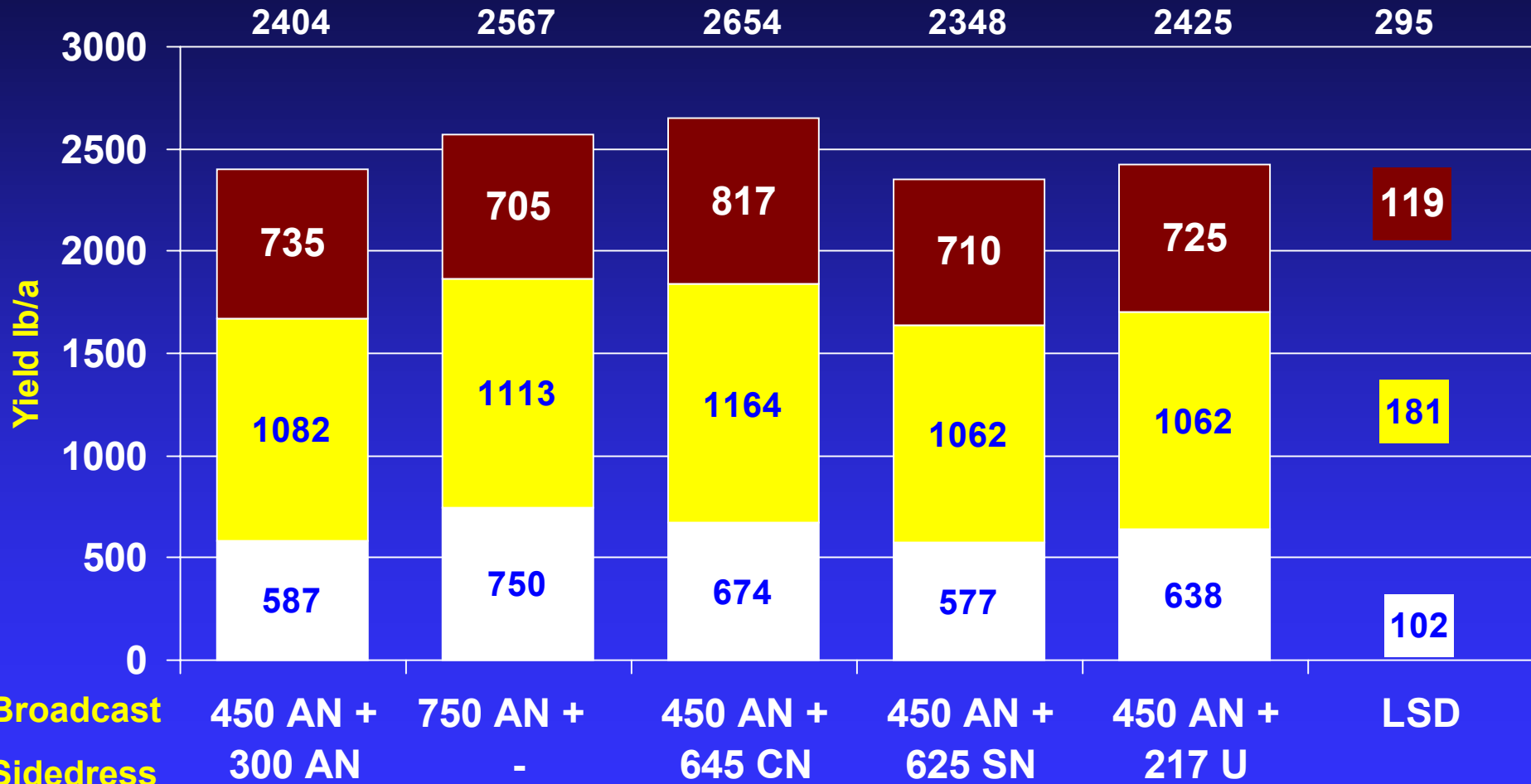


Flyings
 Lugs
 Leaf
 Total

Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, SN = Sodium Nitrate, U= Urea

No-till Fertility Trial

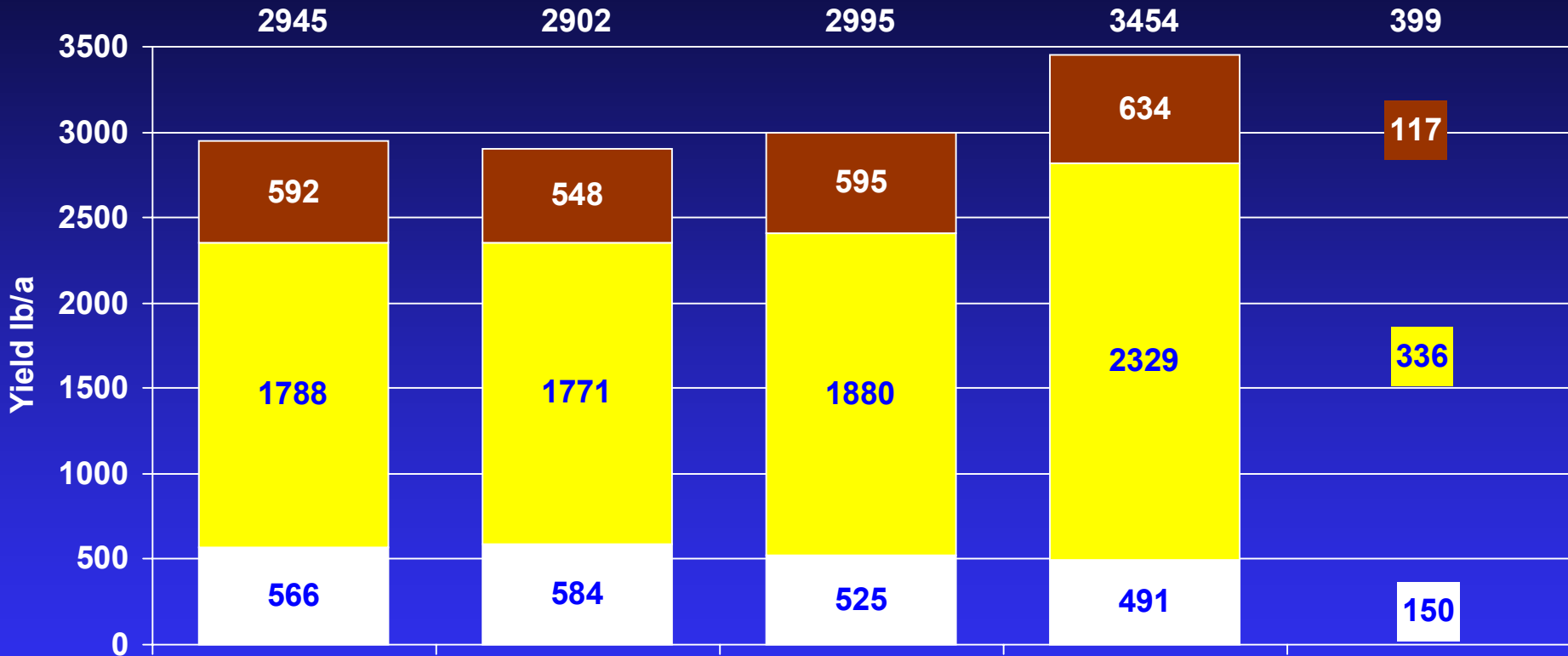
Monroe Co. – Al Pedigo Farm



Flyings
 Lugs
 Leaf
 Total

Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, SN = Sodium Nitrate, U= Urea

Effects of Fertilization on Yield Madison Co. – Eddie Warren Farm



Broadcast
1st Sidedress -----
2nd Sidedress 400 15-0-14

500 AN

500 AN

360 14-20-20

535 14-20-20

LSD

267 27-0-15

450 27-0-15

300 AN

267 15-0-14

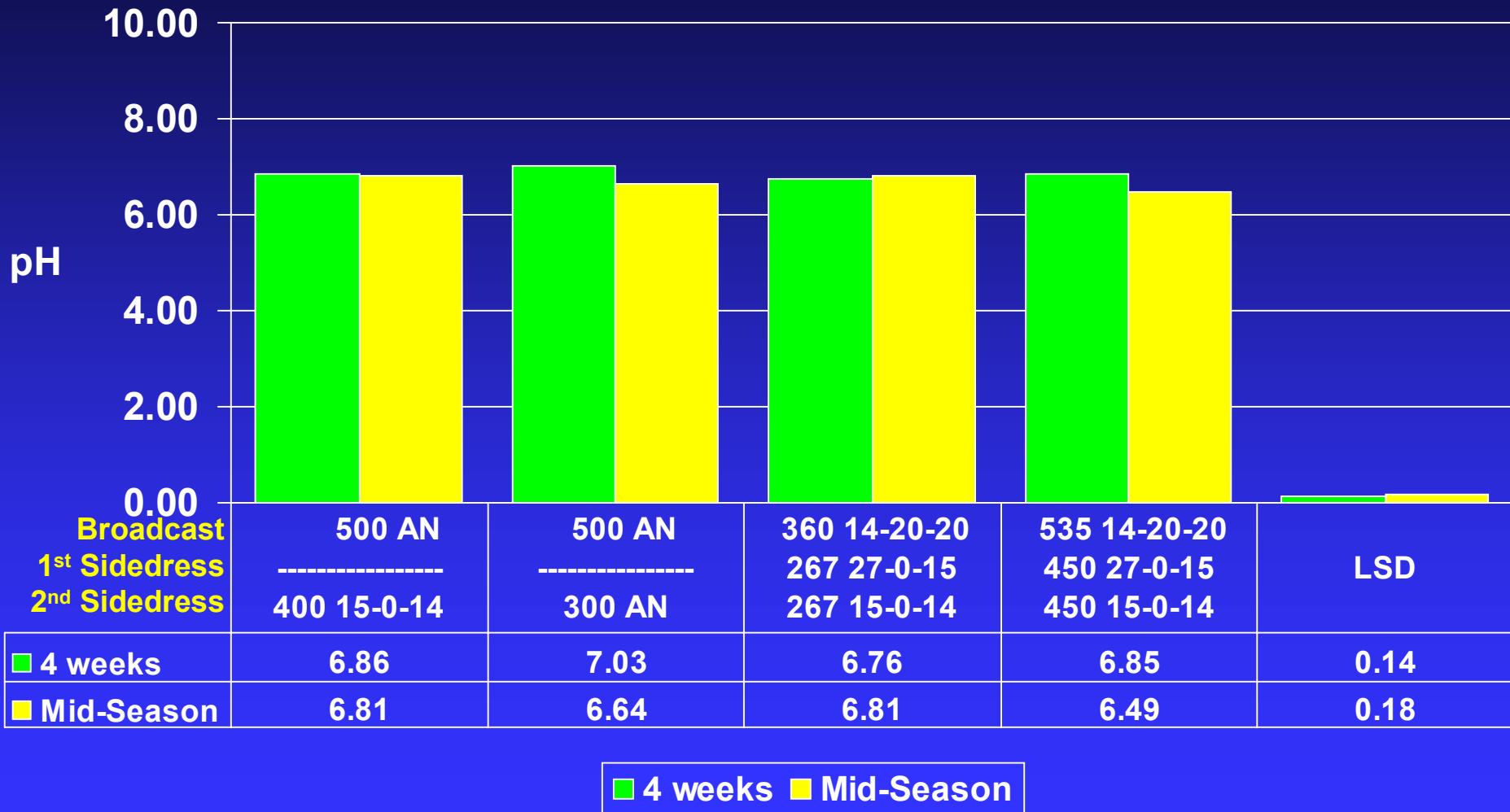
450 15-0-14

■ FLYINGS ■ LUGS ■ LEAF TOTAL

Number = lbs of product, AN = Ammonium Nitrate

Effects of Fertilization on Soil pH

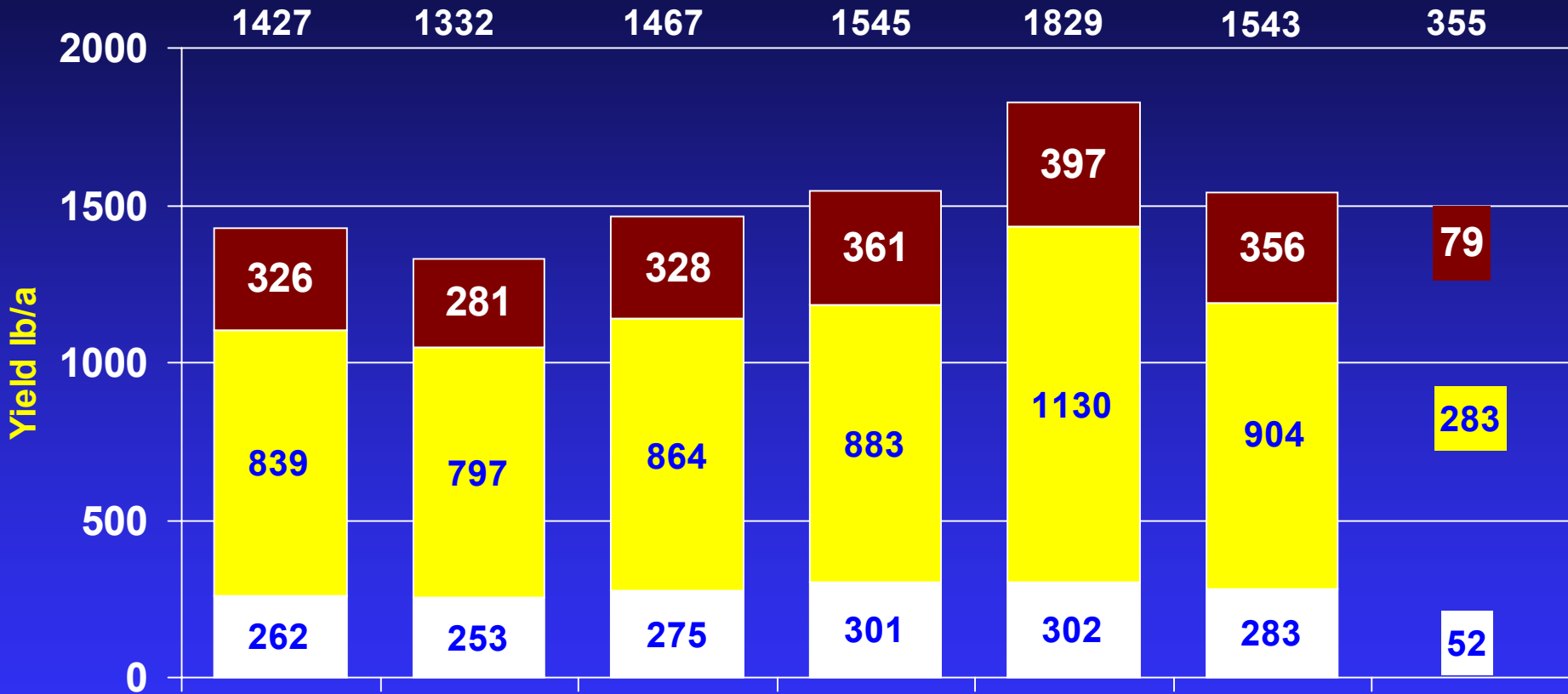
Madison Co. – Eddie Warren Farm



Number = lbs of product, AN = Ammonium Nitrate

No-till Fertility Trial

Bracken Co. – Joseph Ulrich Farm



Broadcast
Sidedress

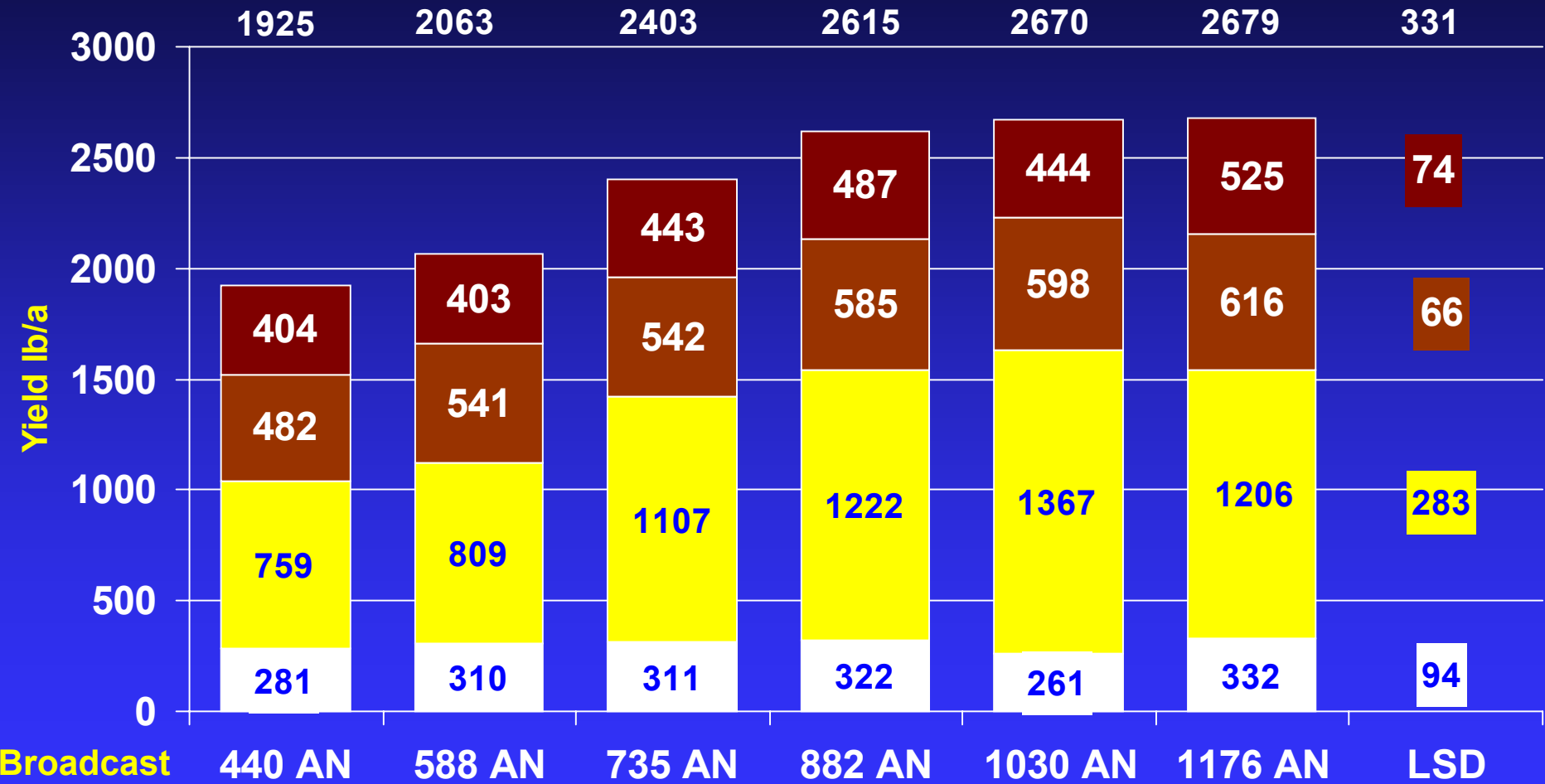
450 AN + 220 U 450 AN + 300 AN 450 AN + 645 CN 450 AN + 330 U 450 AN + 450 AN 450 AN + 970 CN LSD

■ Flyings ■ Lugs ■ Leaf

Number = lbs of product, AN = Ammonium Nitrate, CN = Calcium Nitrate, U= Urea

No-till Fertility Trial

Casey Co. – Robert Hampton Farm

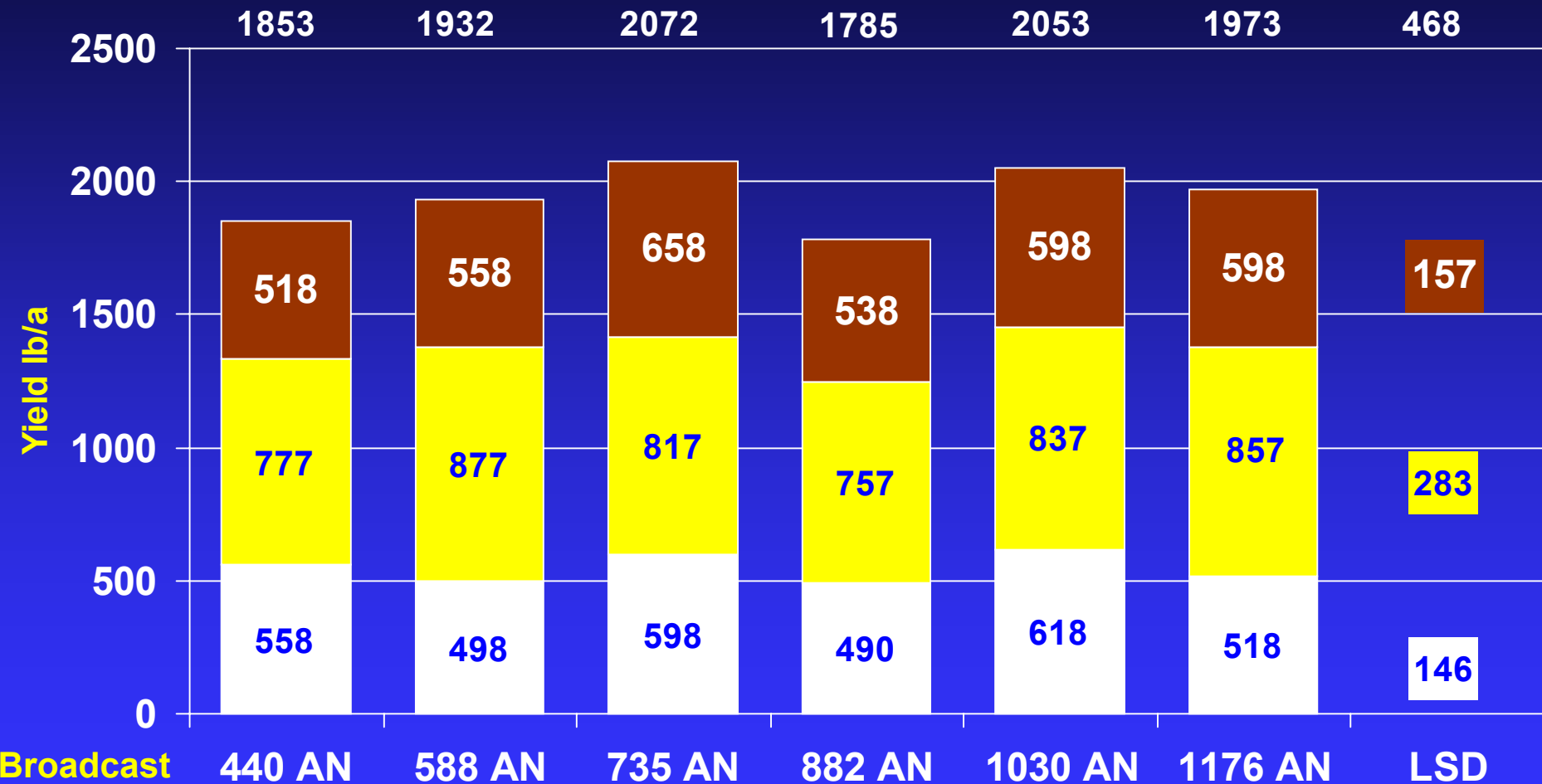


Flyings
 Lugs
 Leaf
 Tips

Lbs. Ammonium Nitrate applied preplant
 P and K applied according to soil test
 Previous Crop: Orchard Grass Sod

No-till Fertility Trial

Meade Co. – Edd Pike Farm

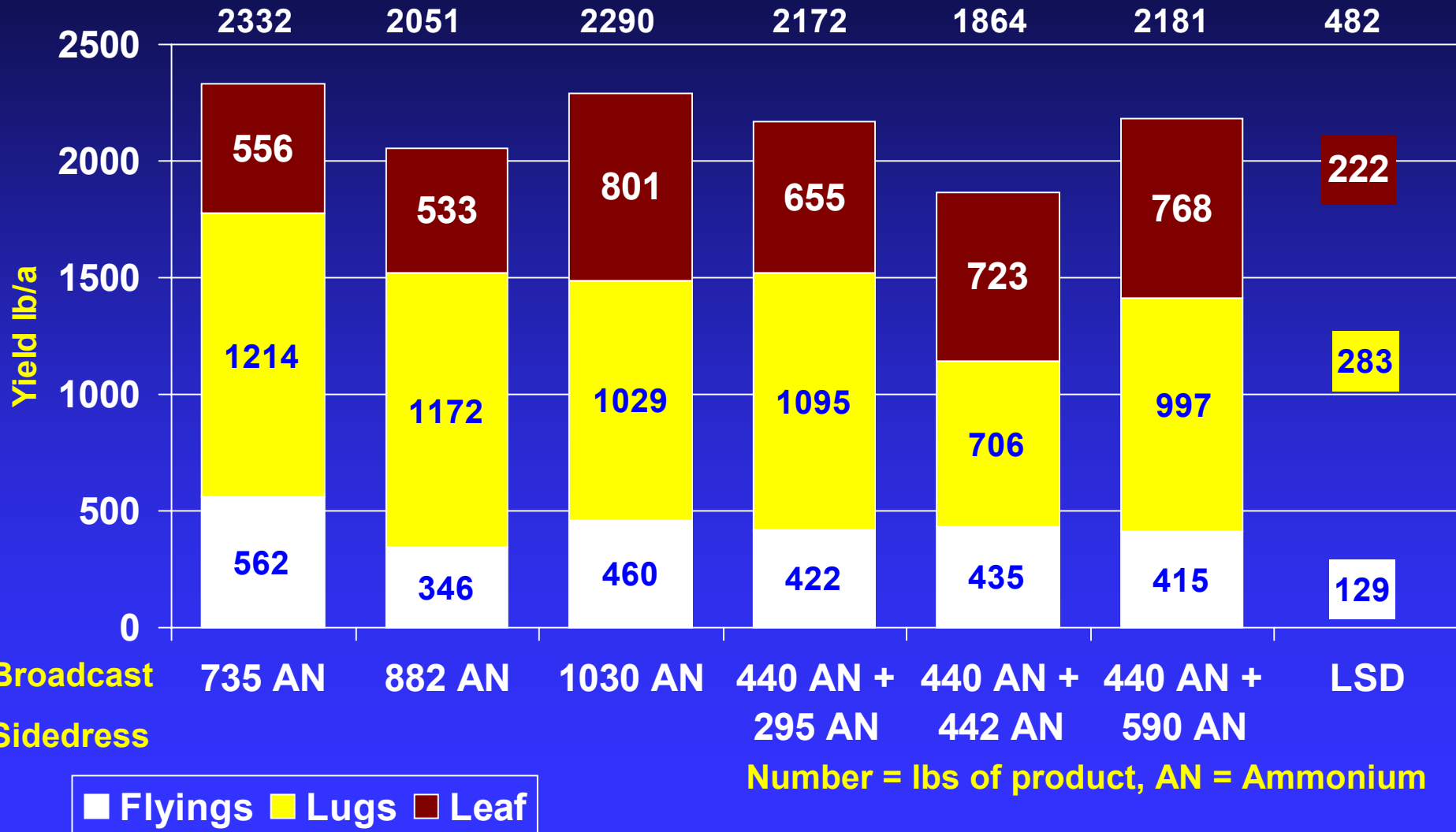


Flyings
 Lugs
 Leaf

Lbs. Ammonium Nitrate applied preplant
 P and K applied according to soil test
 Previous Crop: Soybean

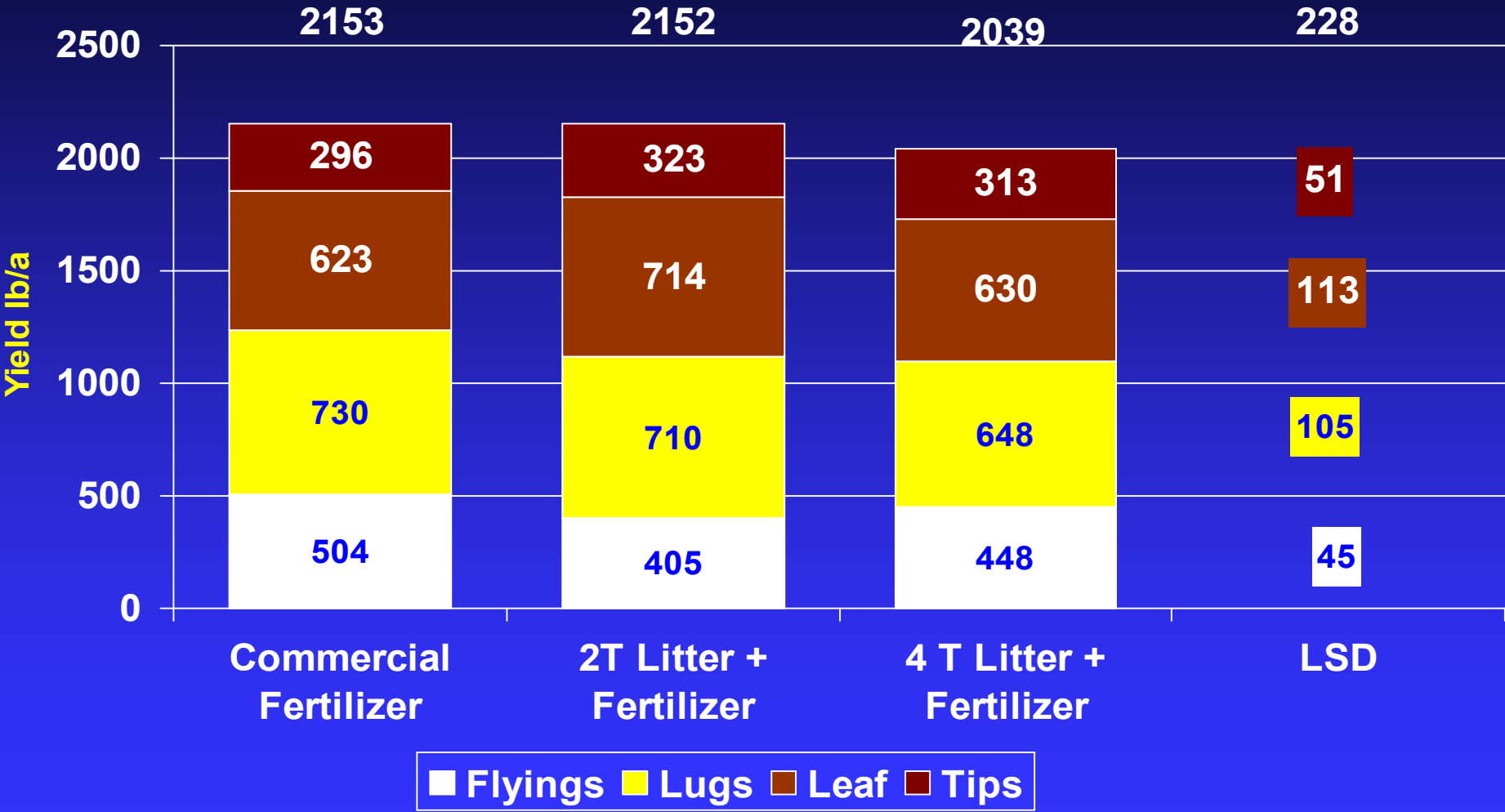
No-till Fertility Trial

Pulaski Co. – John Bullock Farm



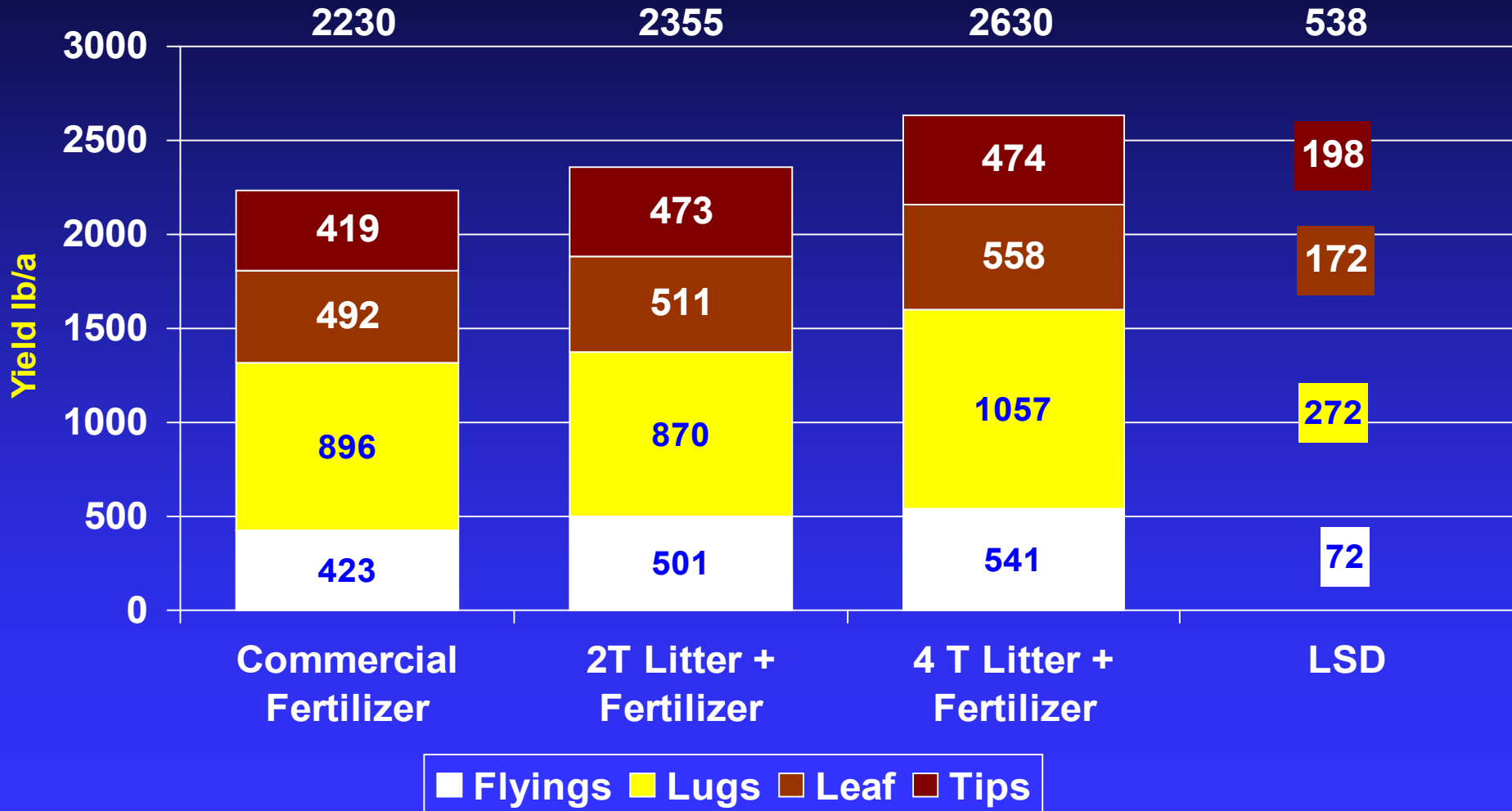
Poultry Litter on Tobacco

Hopkins Co. – Steve Ashby Farm



Poultry Litter on Tobacco

Hopkins Co. – Bob Ayers Farm



Poultry Litter on Tobacco

Hopkins Co. – Shawn Brumfield

