

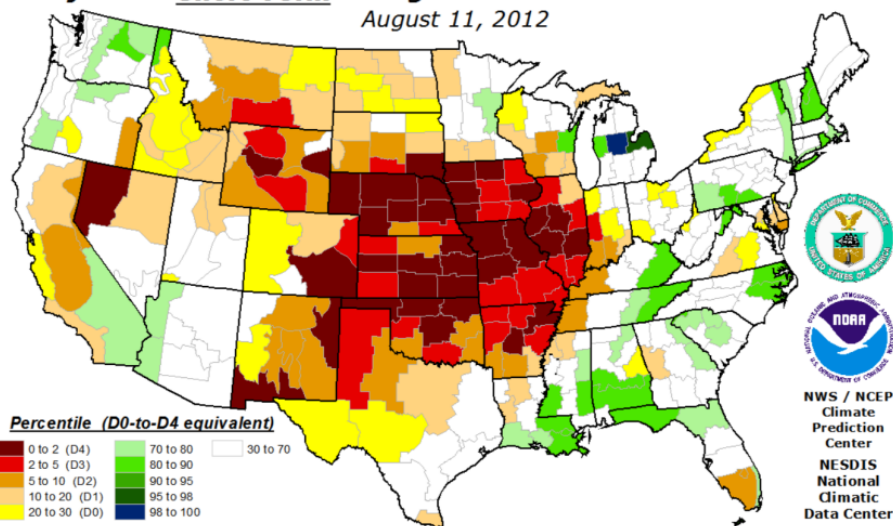


Reasons for Success

- Long rotations
- Suitable soils
- Improved varieties
- Availability of plant protection products
- Efficient equipment
- Excellent management
- Weather**

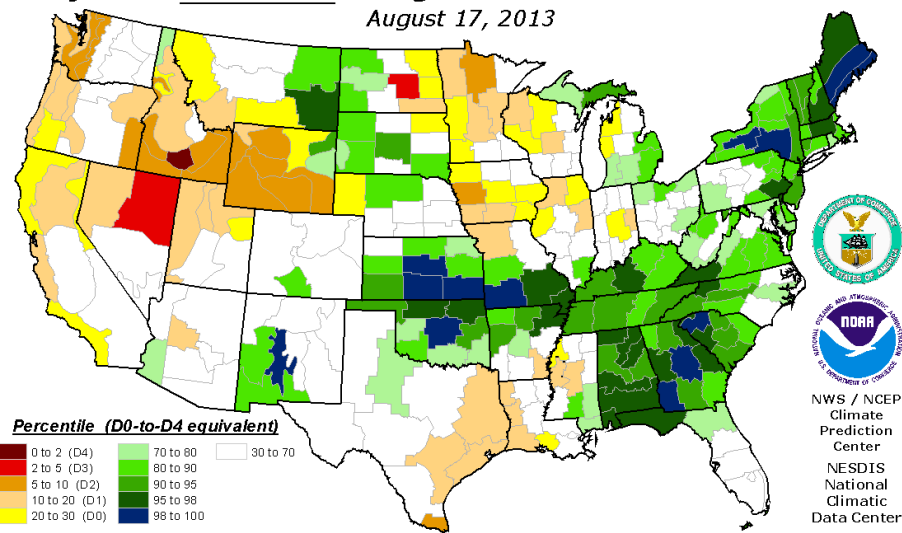
Objective Short-Term Drought Indicator Blend Percentiles

August 11, 2012



Objective Short-Term Drought Indicator Blend Percentiles

August 17, 2013

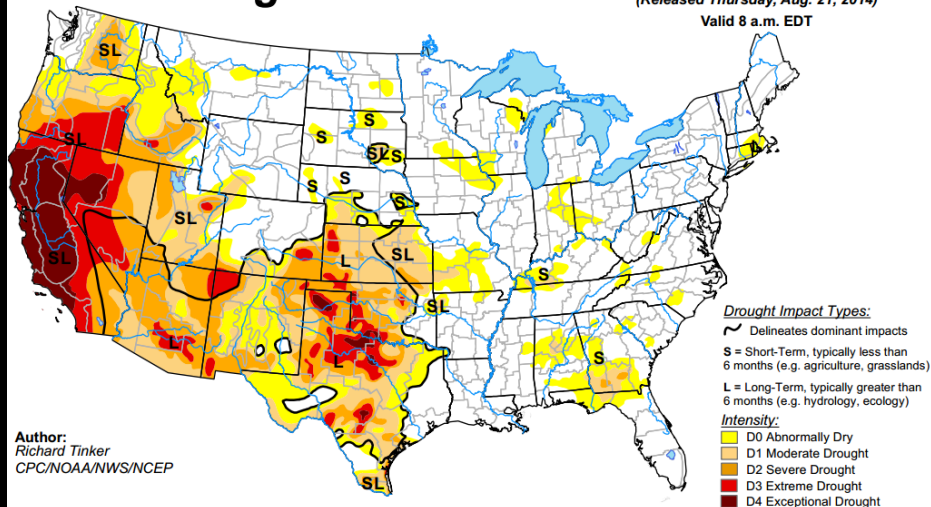


U.S. Drought Monitor

August 19, 2014

(Released Thursday, Aug. 21, 2014)

Valid 8 a.m. EDT

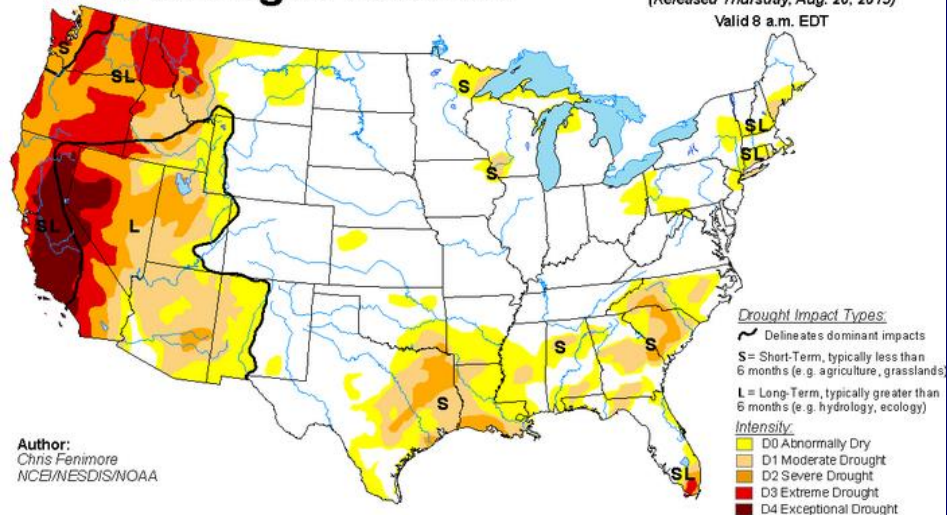


U.S. Drought Monitor

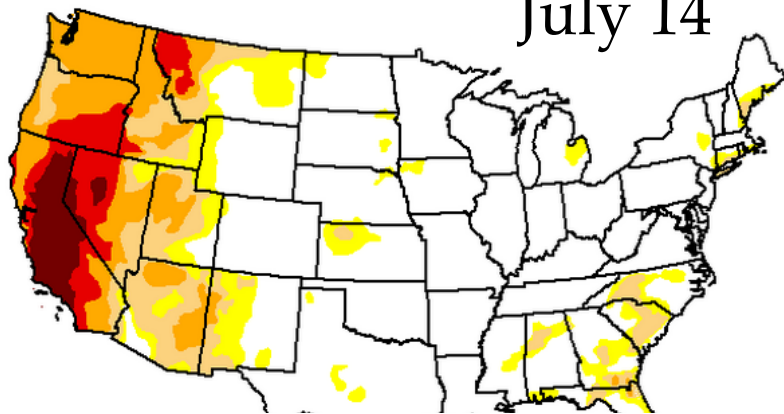
August 18, 2015

(Released Thursday, Aug. 20, 2015)

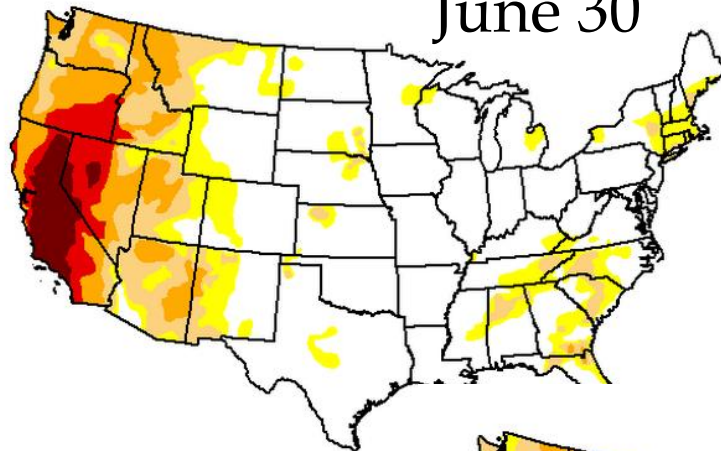
Valid 8 a.m. EDT



July 14

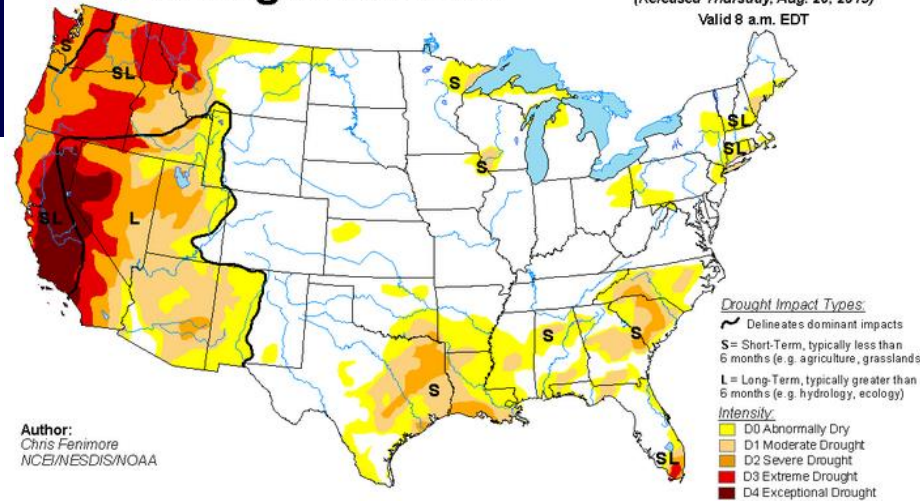


June 30



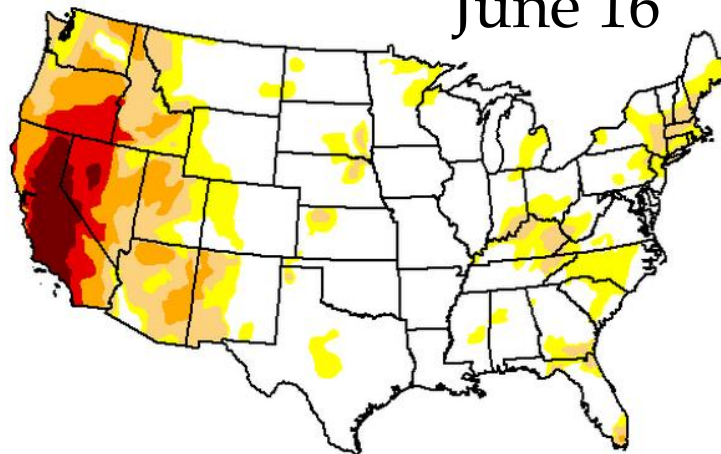
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Author:
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NCBI/NESDIS/NOAA

June 16



V-C Peanut Yield (lbs/acre)

Year

2013

4200

2014

4000

2015

3600

Bailey has been tested under almost
perfect conditions and wet conditions but
not drought conditions

2014 hard to find Omega 500 for Sclerotinia blight

2015 hard to find products for spider mites

Great variation across the belt – Virginia wet, North Carolina mixed, South Carolina dry

Percent of Peanut Crop as Runners

10% NC and VA

45% SC

Historically, yield of runners would be higher than Virginia types under dry conditions (smaller kernels and pods) but Bailey is a relatively small Virginia type and runners are Jumbo runners – probably not a major difference in drought response...

Thrips injury

Generally less severe than in 2013 and 2014







Planted May 5



Planted May 18

Planted May 27



Image taken June 5



Planted May 5



Planted May 18

Planted May 27



Image taken June 24



Planted May 5



Planted May 18



Planted May 27

Image taken July 10

Planted May 5



Planted May 18



Planted May 27



Image taken August 20





Planted May 5

Planted May 18



Planted May 27



Image taken July 10



Planted May 5

Planted May 18



Planted May 27



Image taken July 30



Planted May 5



Planted May 18



Planted May 27

Image taken August 20

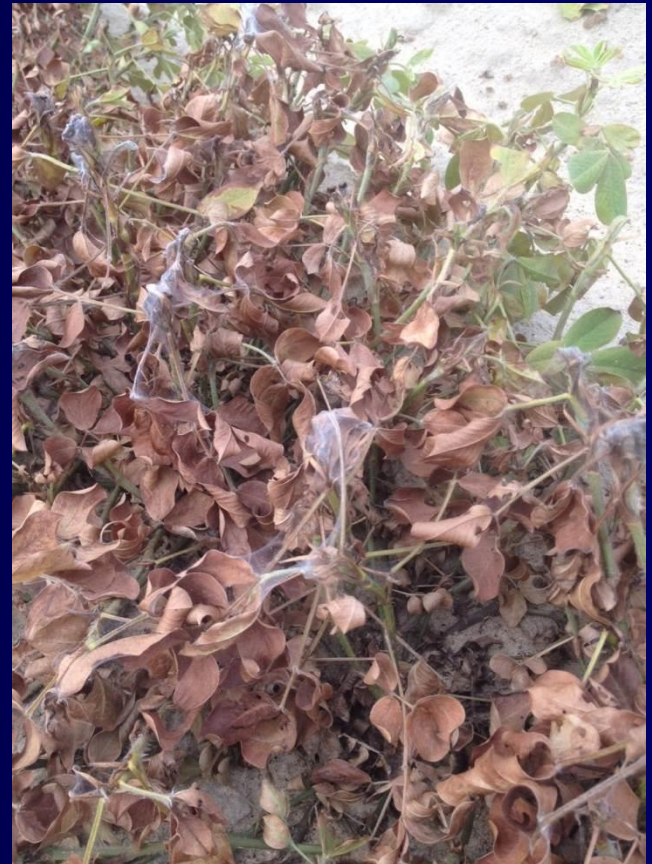
Most mature pods on plant



Image taken August 20









They may all be ready at one time!
Runners may broaden the harvest window...



Image on Sep 4, planted May 2

Image on Sep 4, planted May 19



2014

Image on Sep 4, planted May 28





Image on Sep 18, planted May 2

Image on Sep 18, planted May 19

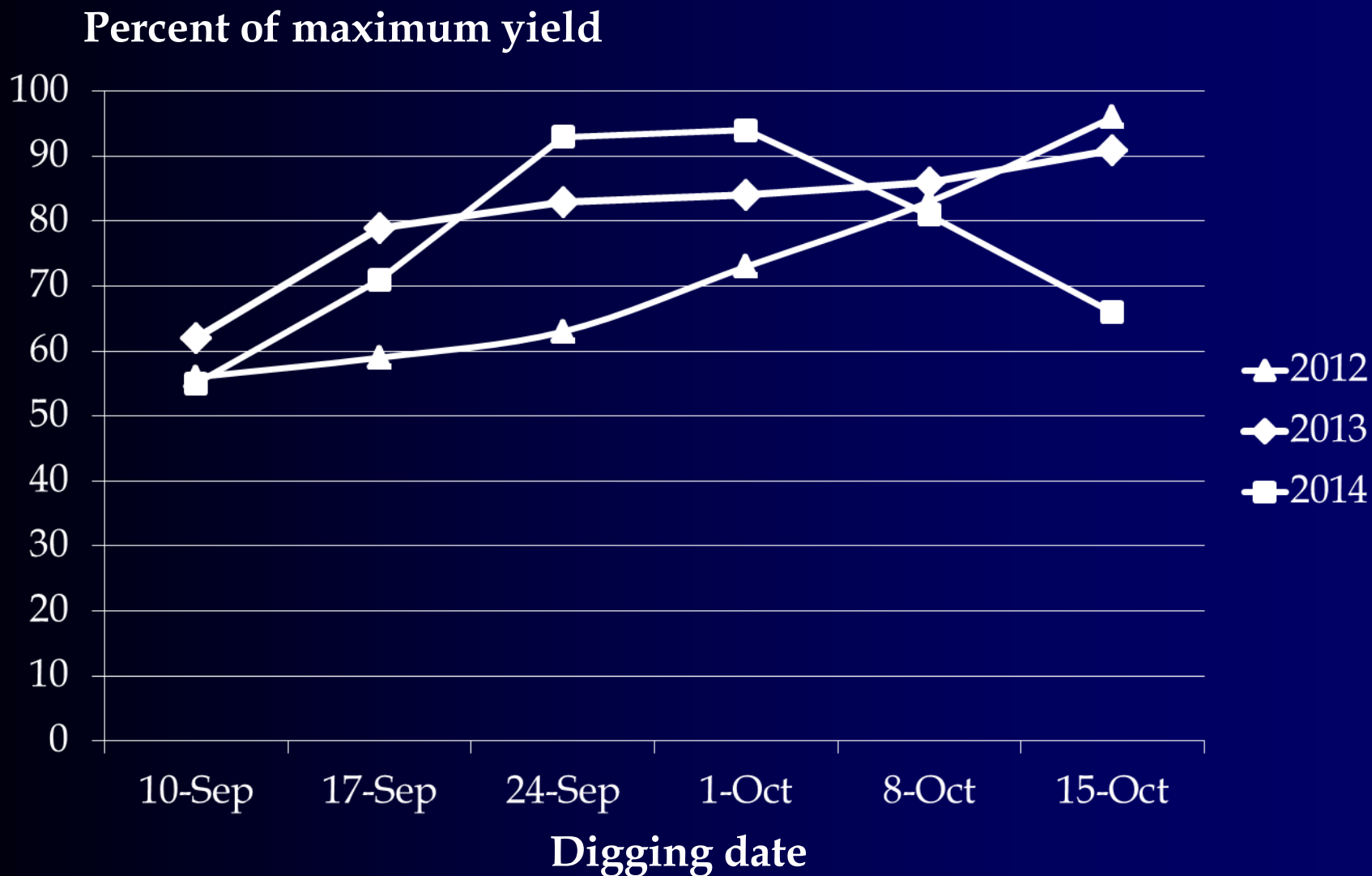


2014

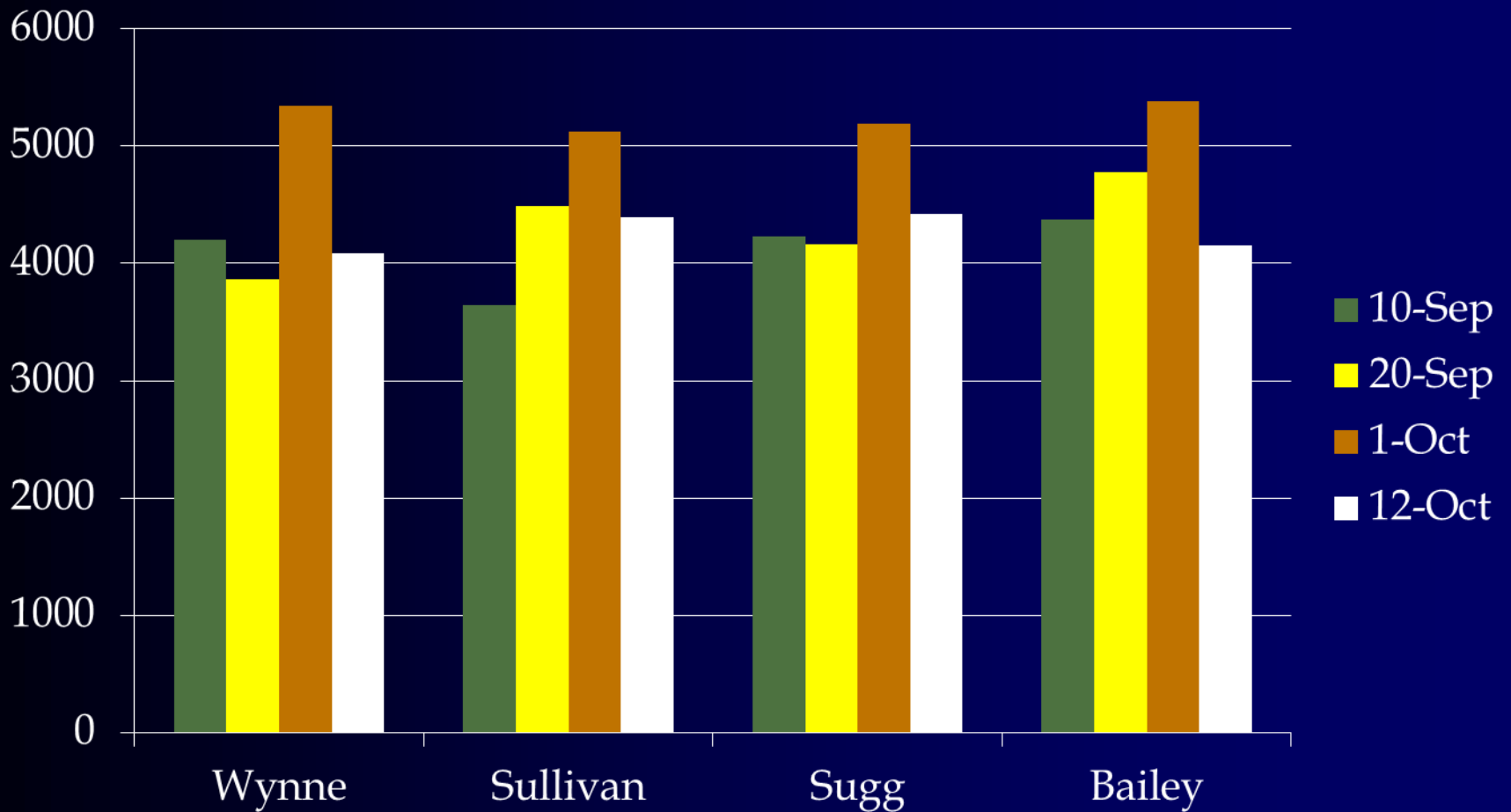
Image on Sep 18, planted May 28

Response of the Variety Bailey to Digging Date

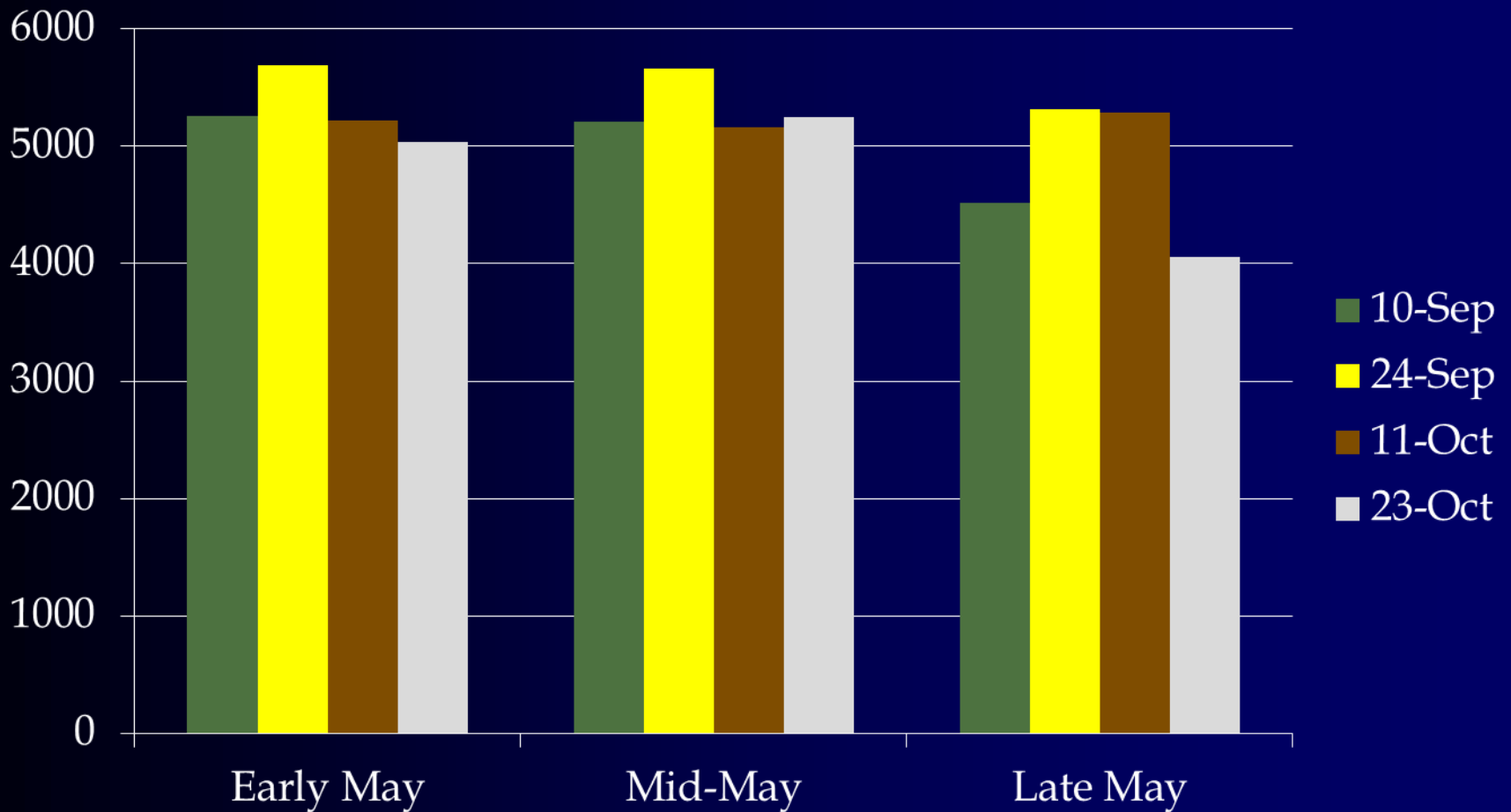
Peanut was planted approximately May 3 during 2012, 2013, and 2014



Peanut Variety Response to Digging Date – Yield (lbs/acre) Lewiston-Woodville



Influence of Planting and Digging Date on Yield of Bailey 2014



Remainder of Season

Impact of drought and spider mites on yield

Impact of burrower bug and lesser corn stalk borer on yield and quality

Reaching maturity and hard ground

Bimodal distribution of maturity (split crop)

Aflatoxin (*Aspergillus flavus*) – NC/VA in 2011, very hot and dry conditions like 2015 but low aflatoxin. More prone the further south, so SC crop will be more susceptible