

# Agri-ARM 2015

## Growing Soybean for Profit

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# Soybean Agronomy 2014

1. Plant Population & Row Spacing
2. Inoculation
3. Seeding Date

Financial Funding by ADF & WGRF Gratefully Acknowledged

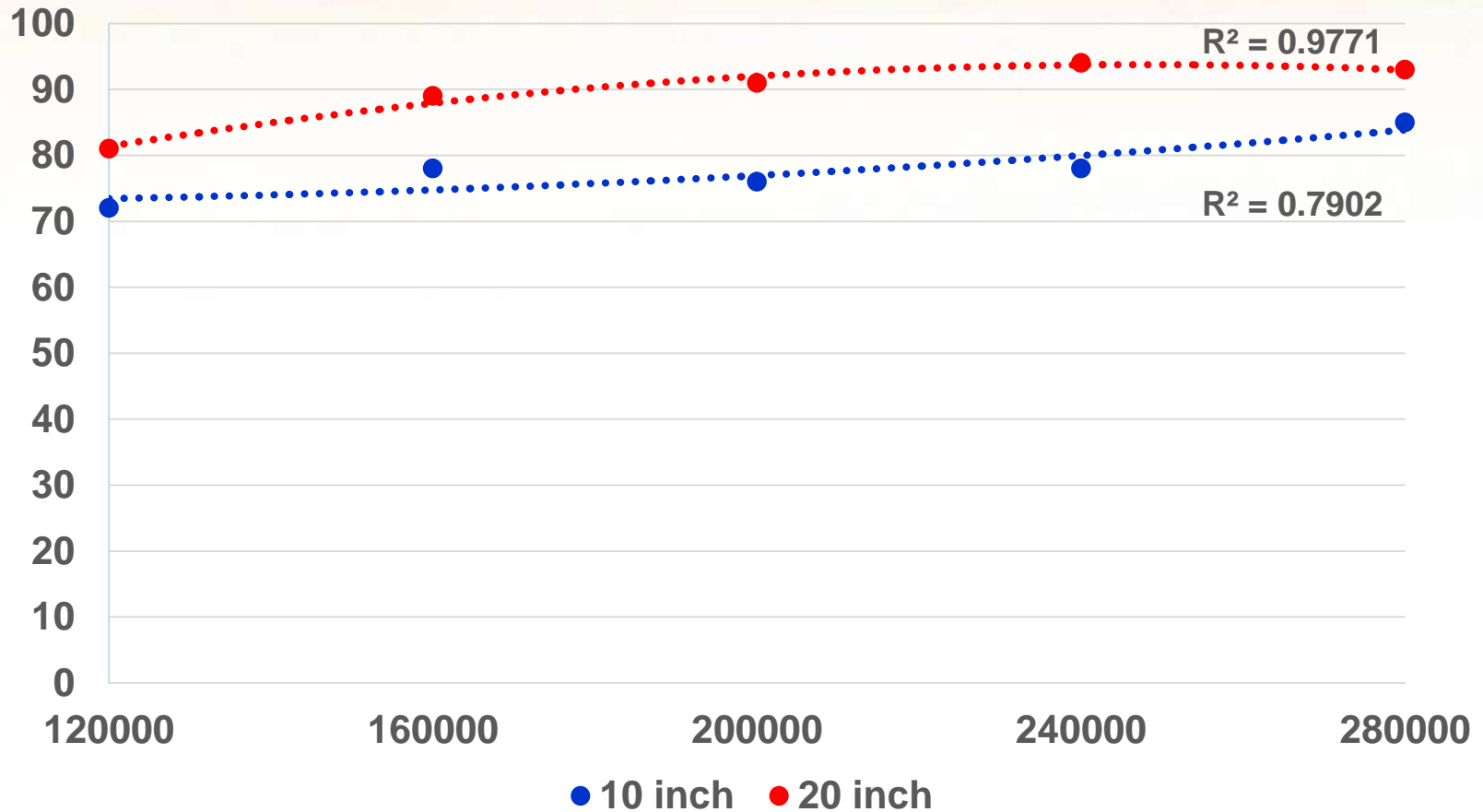
# Soybean Agronomy 2014

1. Plant Population & Row Spacing
  - A. Two row spacing's – 10 & 20"
  - B. Five target plant populations
    - 120,000 plants/acre
    - 160,000 plants/acre
    - 200,000 plants/acre
    - 240,000 plants/acre
    - 280,000 plants/acre

# Soybean Plant Population Study



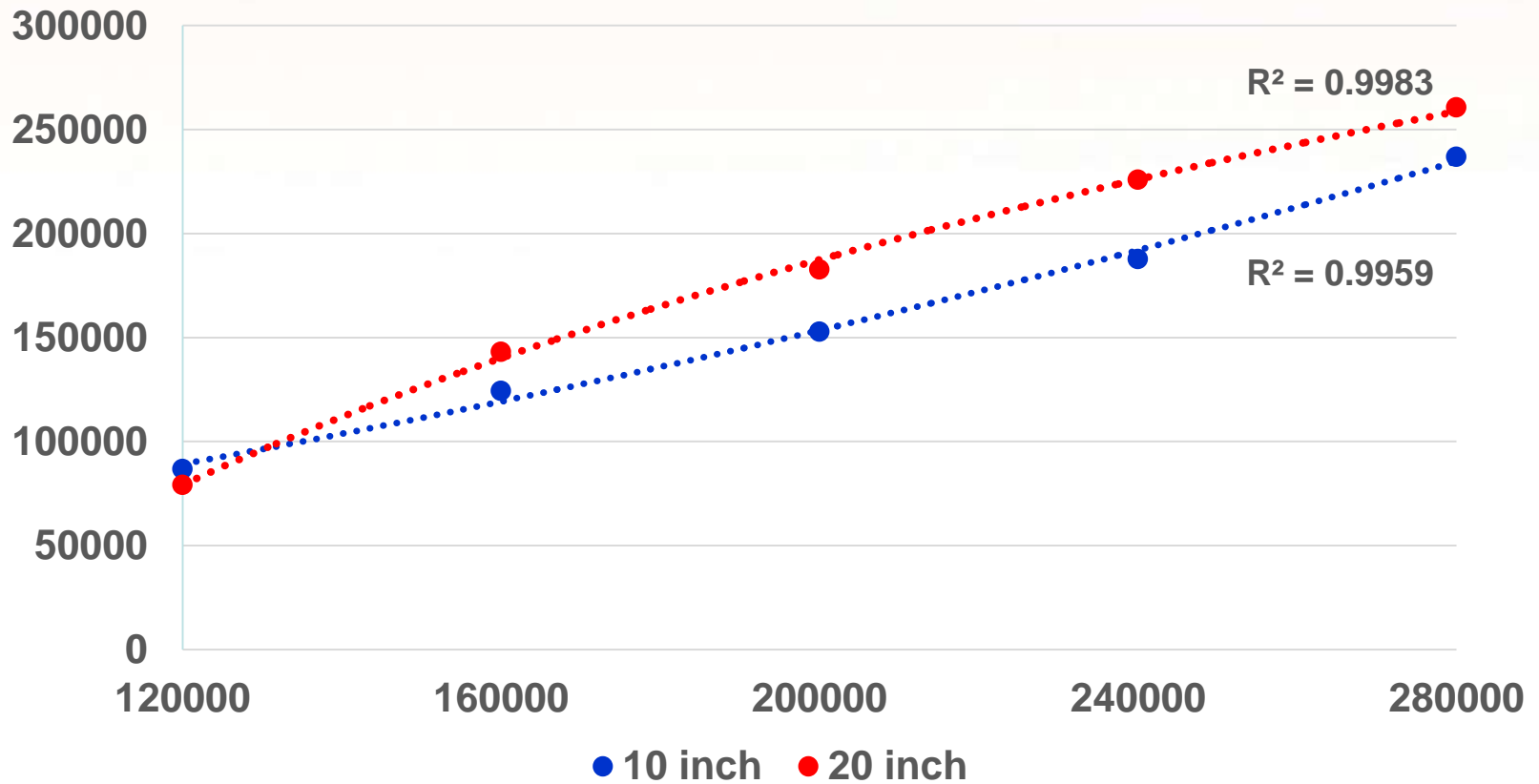
## % Emergence



# Soybean Plant Population Study



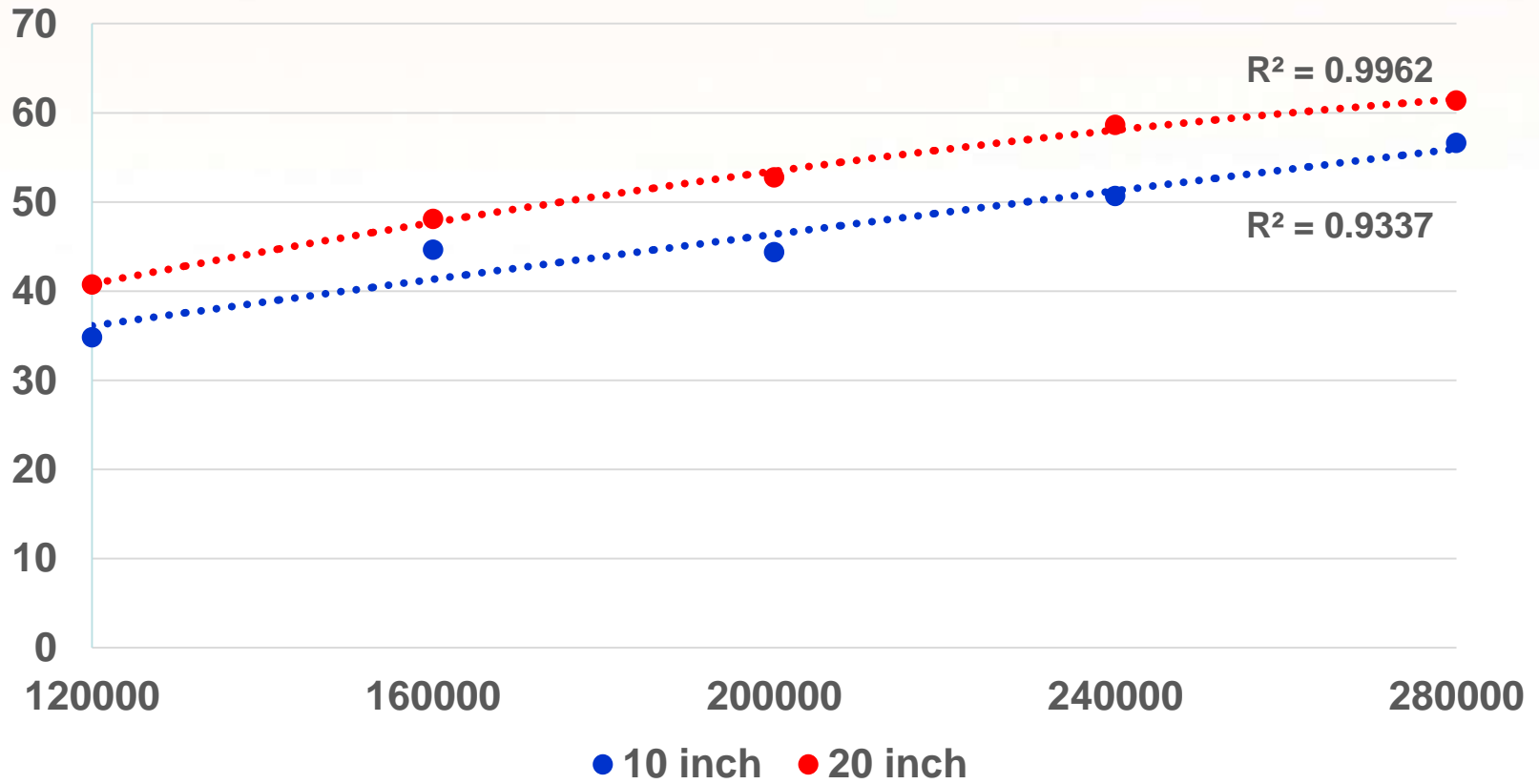
## Established Plant Population (plants/ac)



# Soybean Plant Population Study



Yield  
(bu/ac)



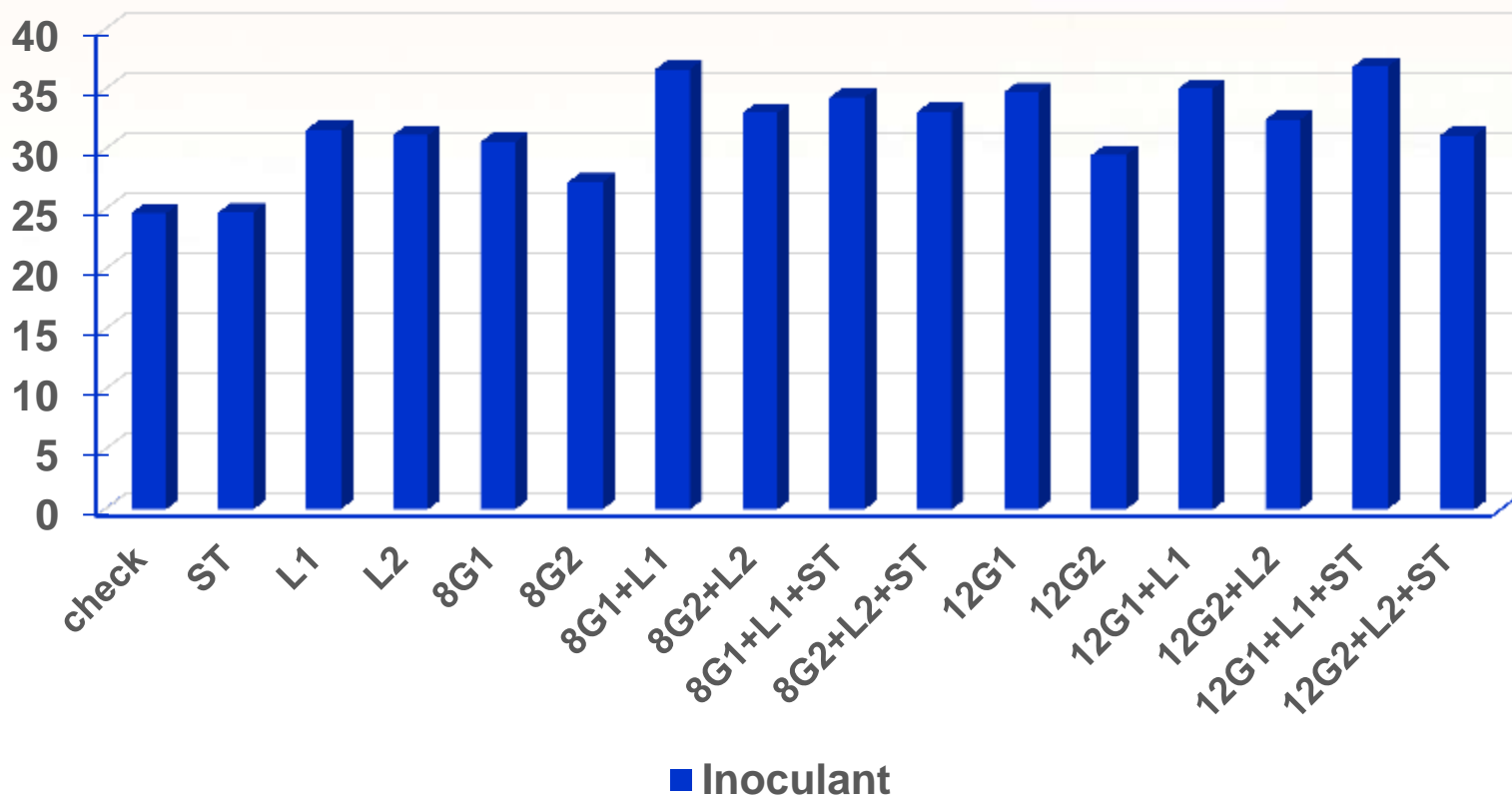
# Soybean Agronomy 2014

2. Inoculation Study
  - A. Two Inoculant Companies – BASF & Novozymes
  - B. Two Inoculant Formulations – liquid & granular
  - C. ApronMaxx – alone or in inoculant combination
  - D. Granular Applications – 8 or 12 lbs/acre

# Soybean Inoculation Study 2014



Yield  
bu/ac

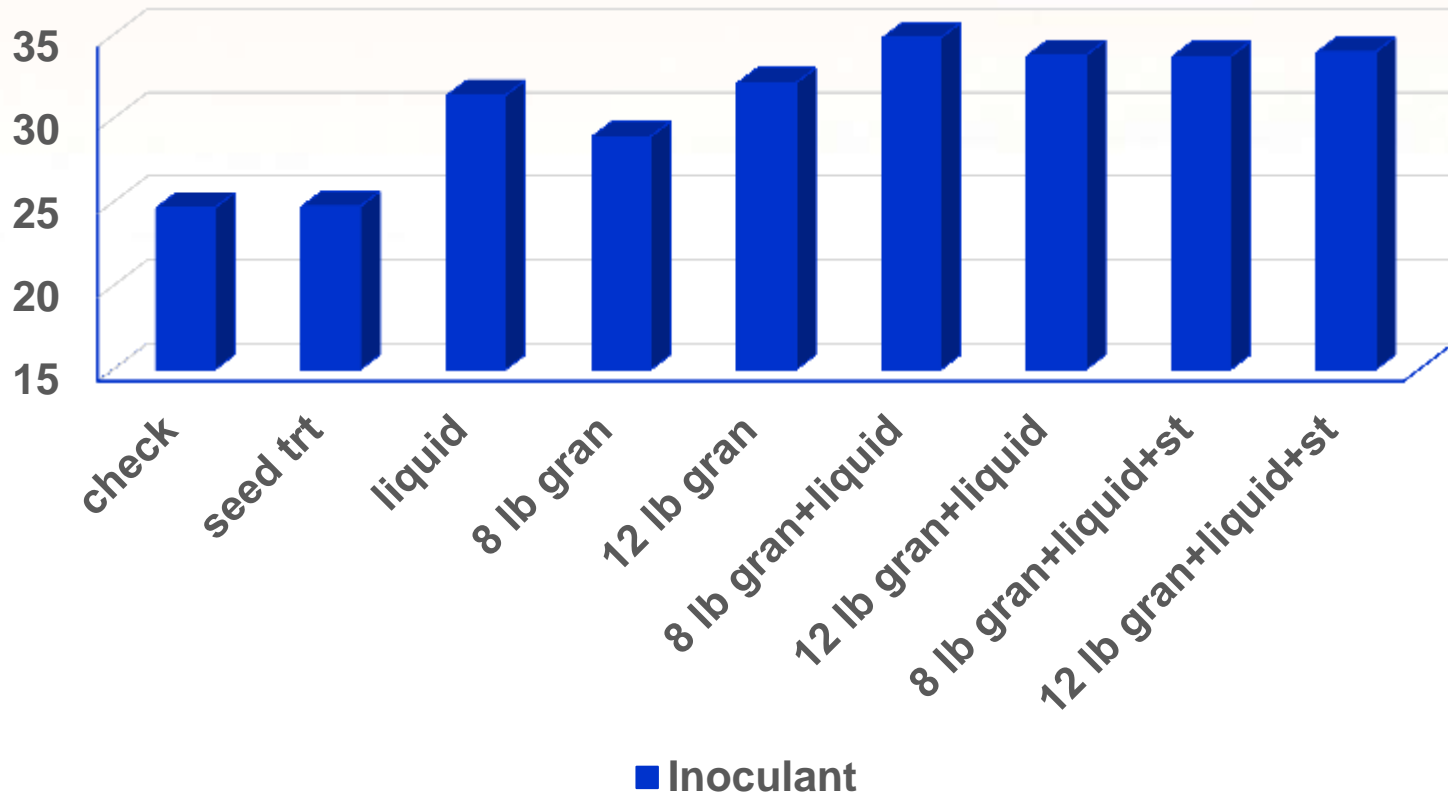




# Soybean Inoculation Study 2014



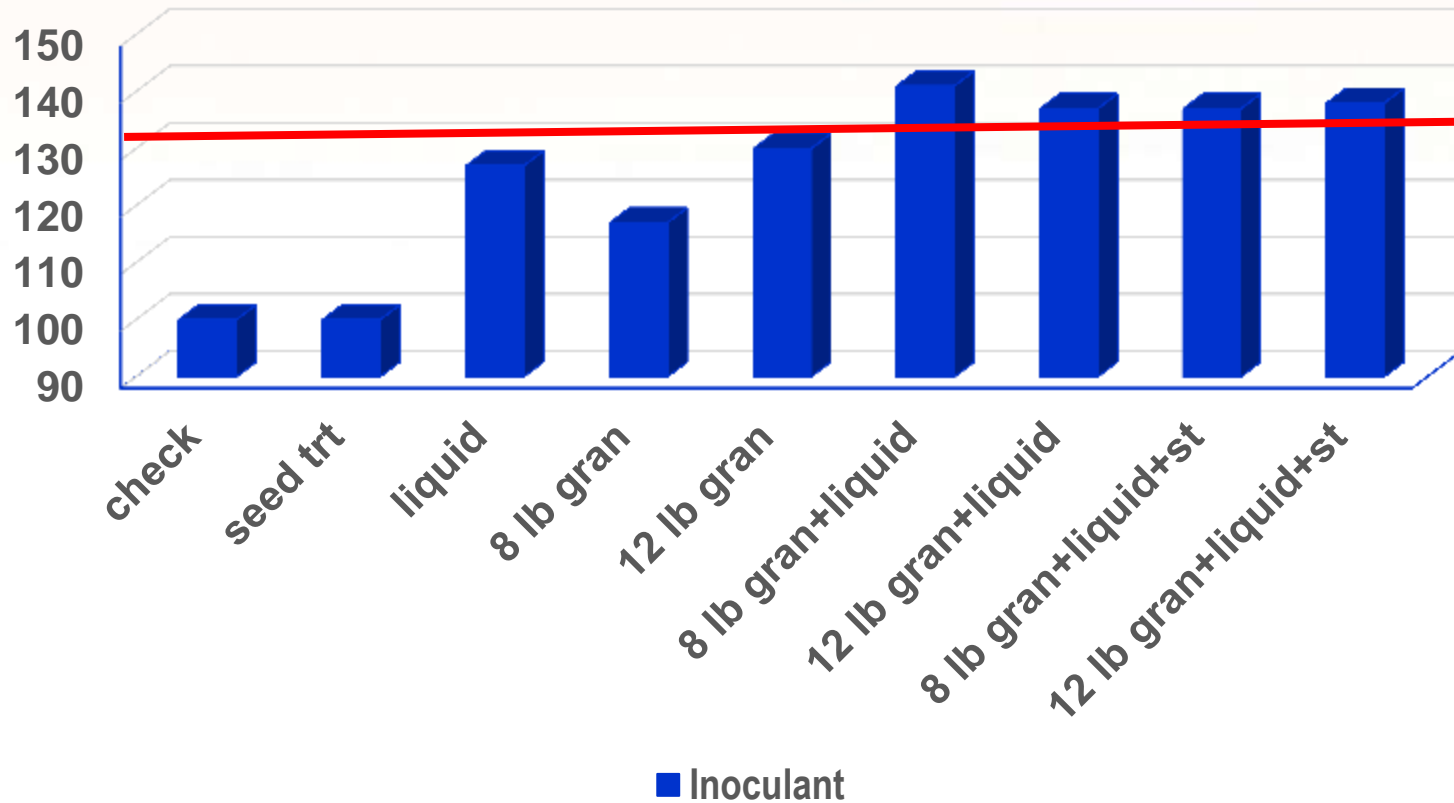
Yield  
bu/ac



# Soybean Inoculation Study 2014



% Yield of Check



# Soybean Agronomy 2014

## 3. Seeding Date

### A. 6 Dates

a) May 9

b) May 15

c) May 22

d) May 29

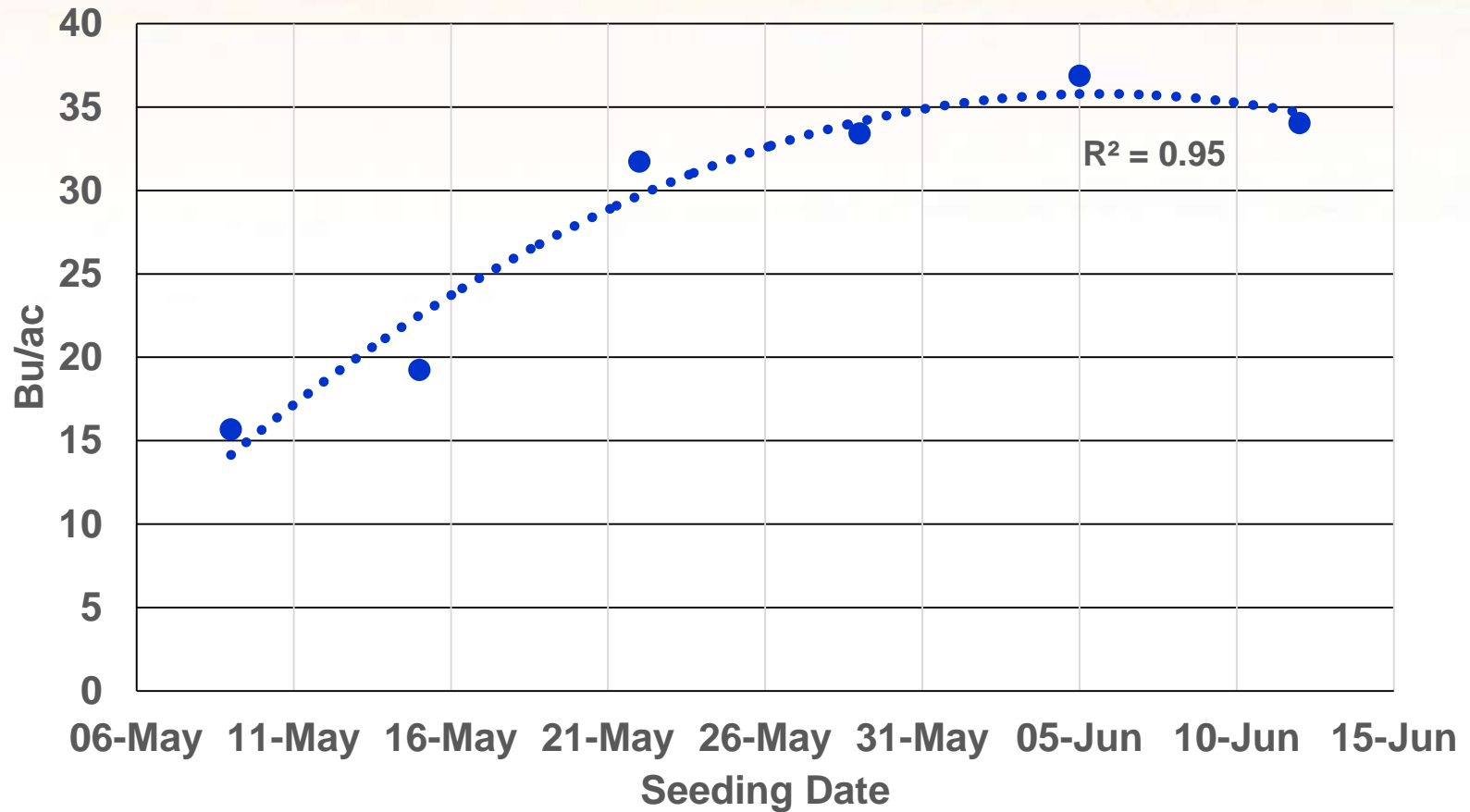
e) June 5

f) June 12

### B. With & without seed treatment

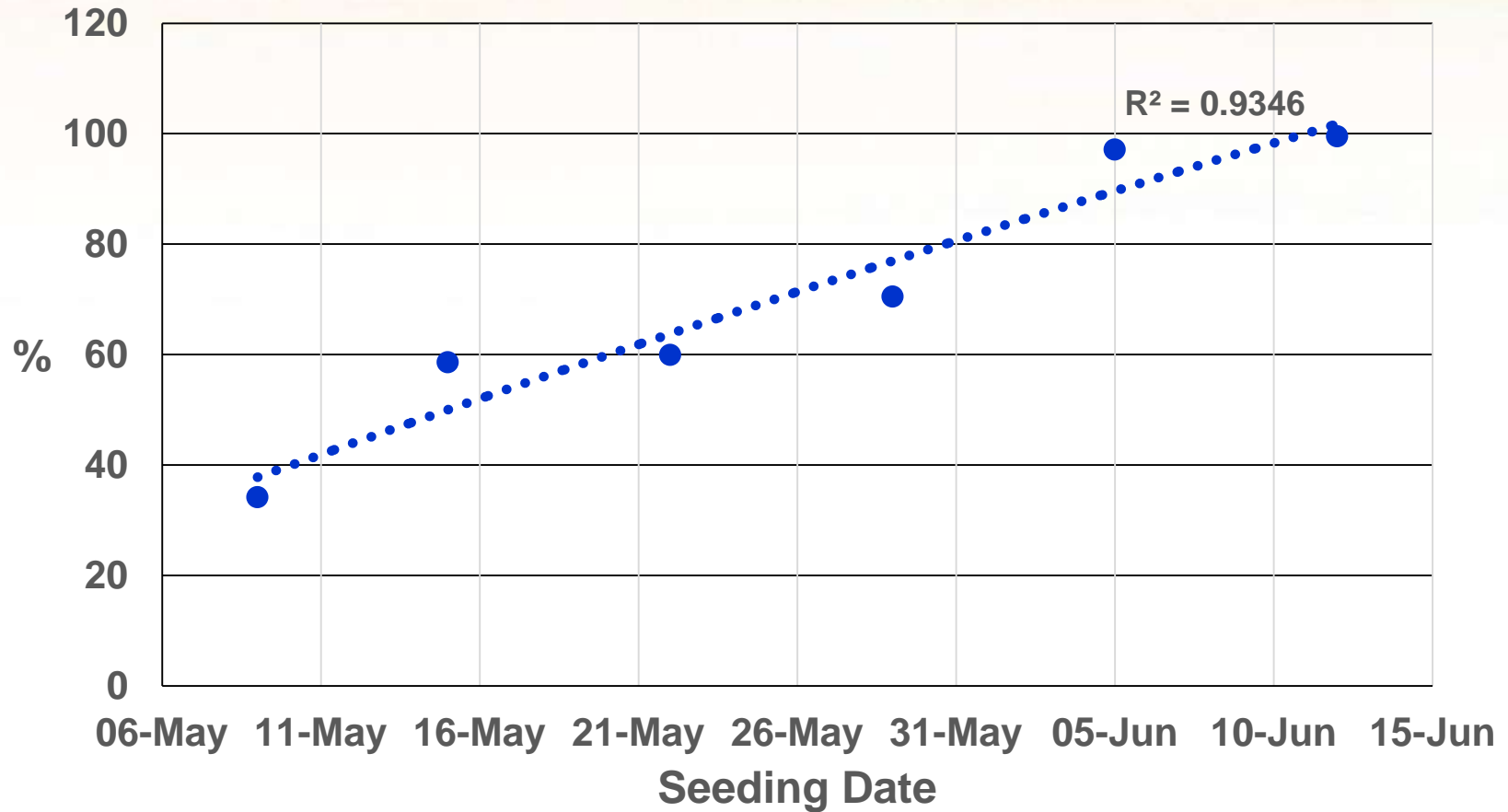
# Soybean Seeding Date Study

Yield (bu/ac)



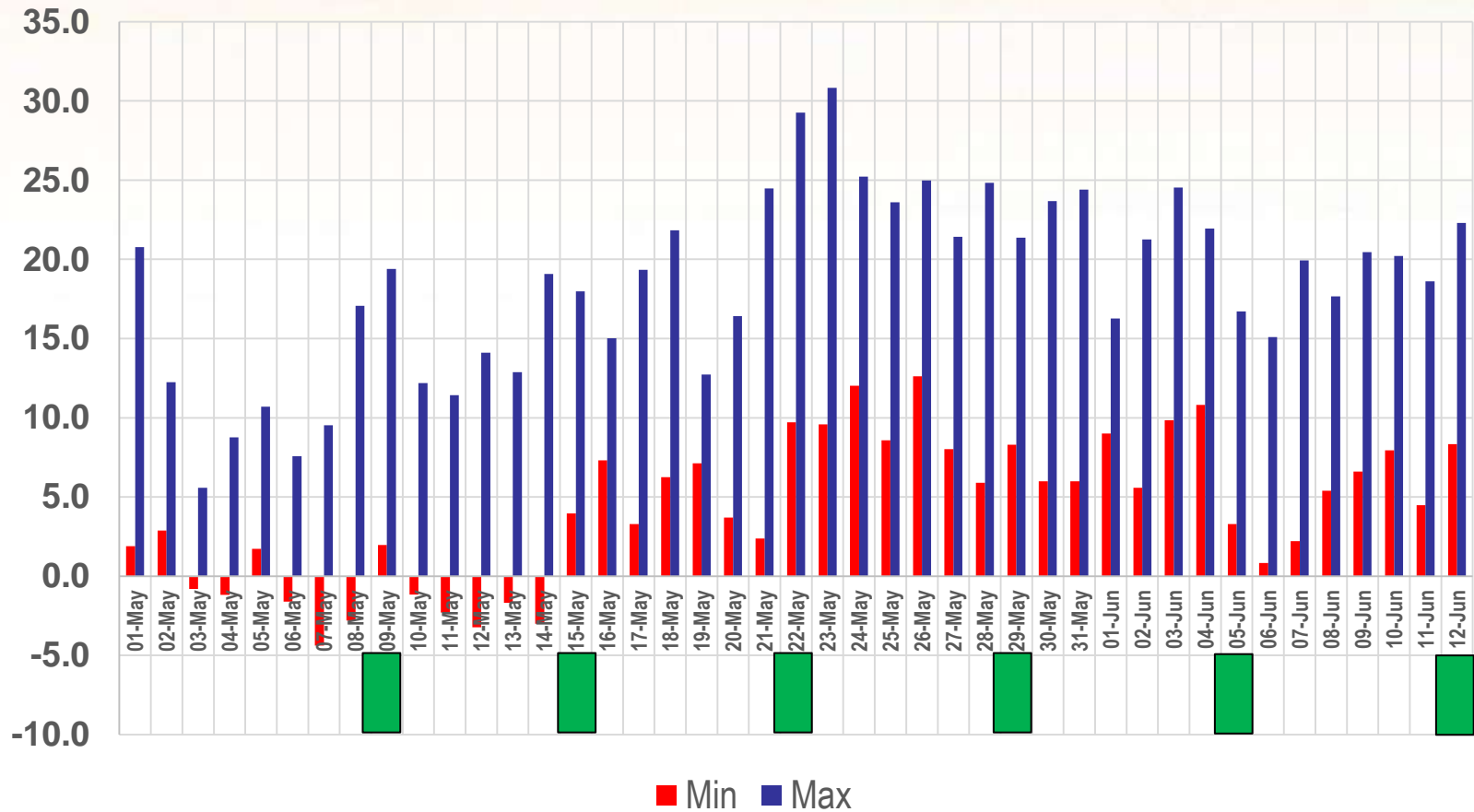
# Soybean Seeding Date Study

% Emergence



# Soybean Seeding Date Study

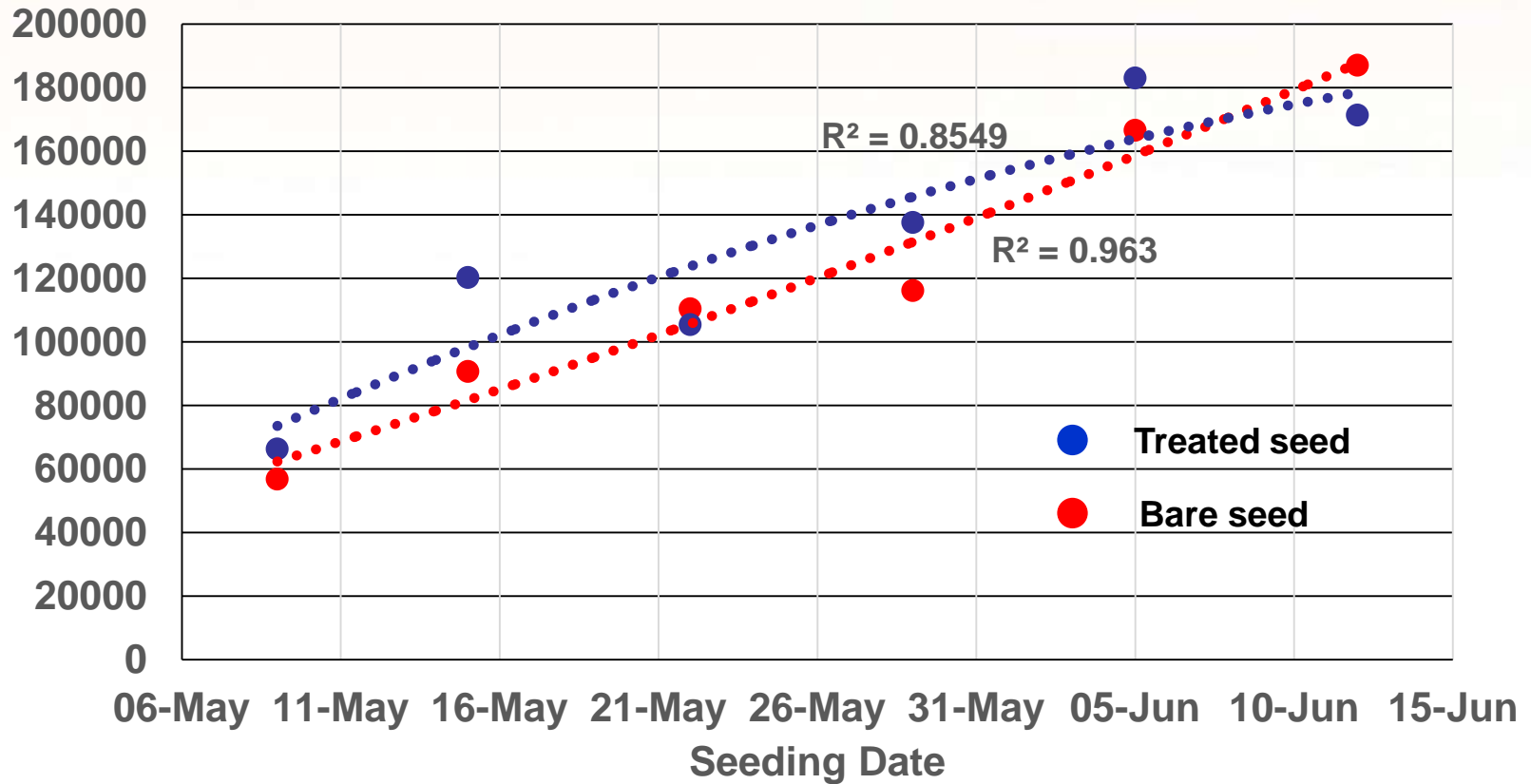
Temperature ° C



# Soybean Date of Seeding Study



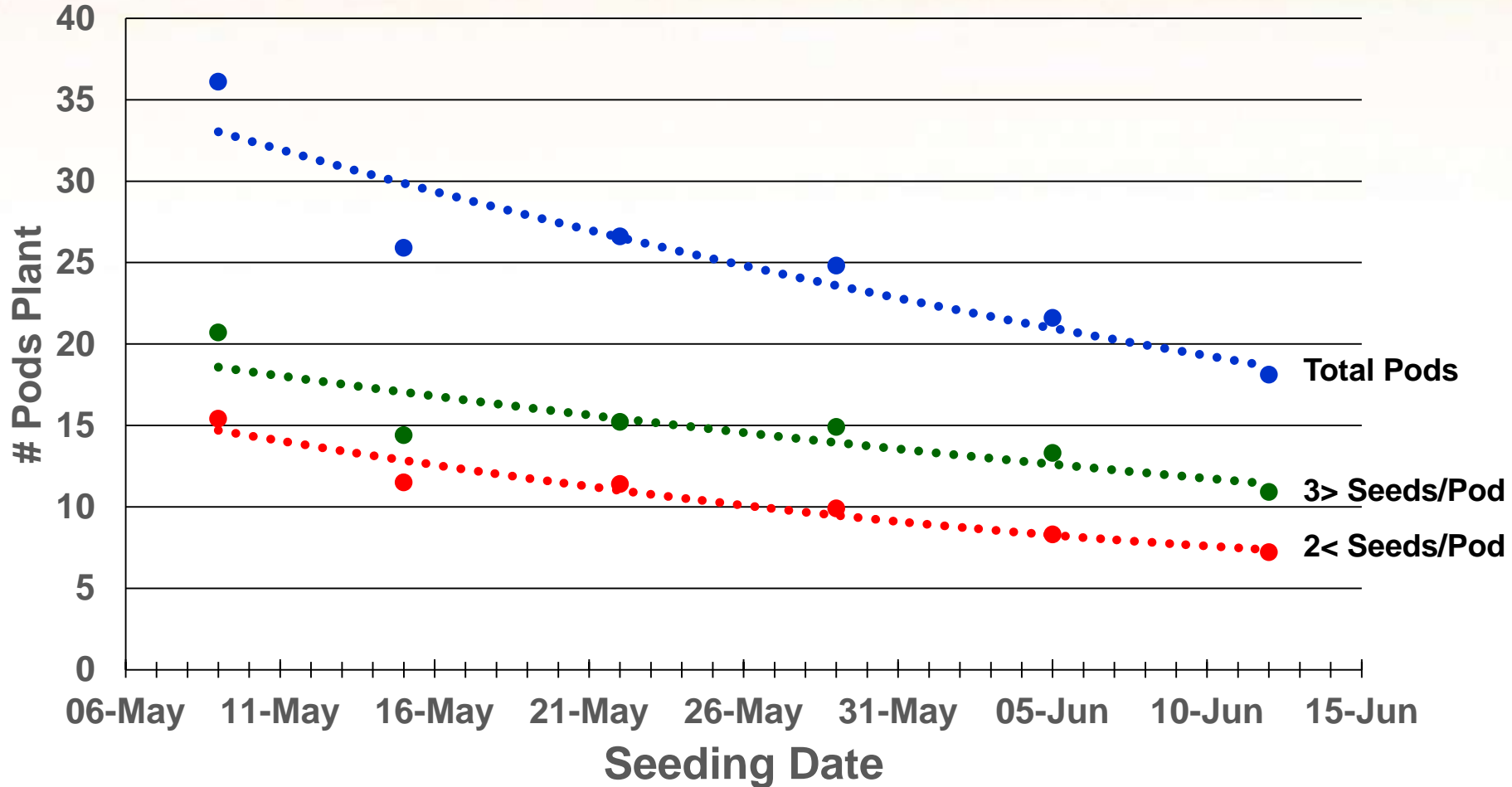
Plant Population  
(plants/ac)



# Soybean Seeding Date Study



## Pods per Plant

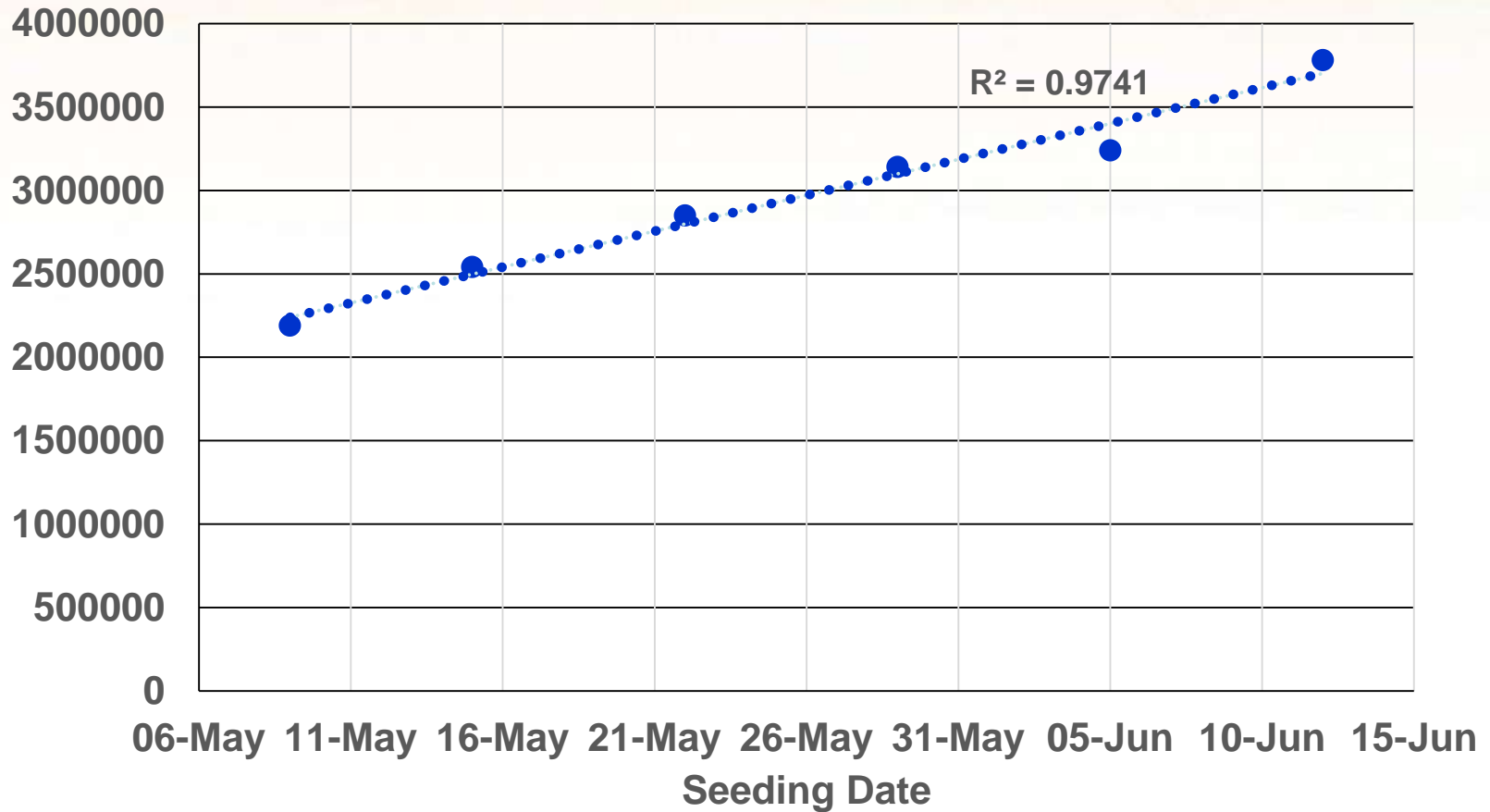




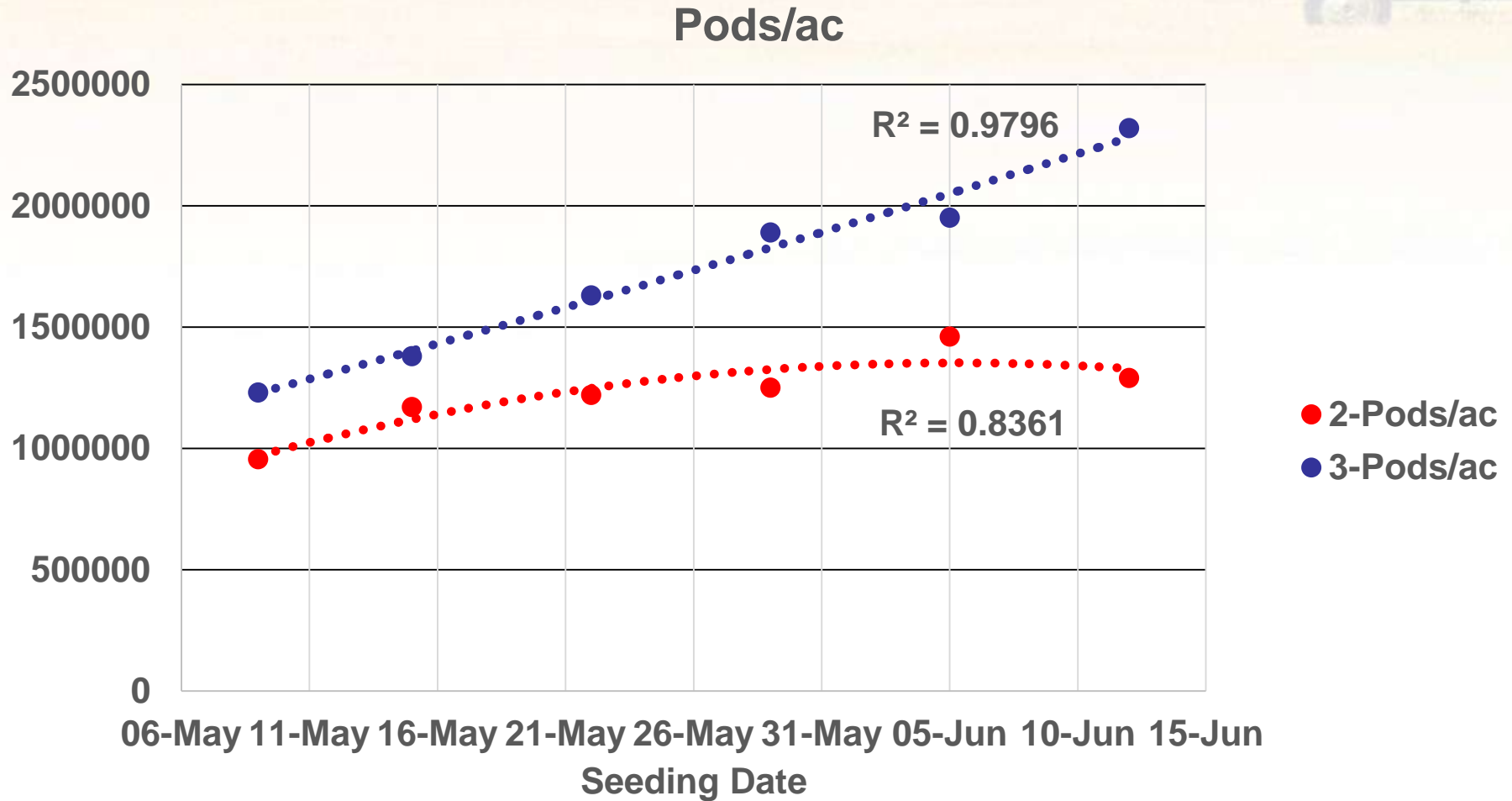
# Soybean Seeding Date Study



Pods/ac



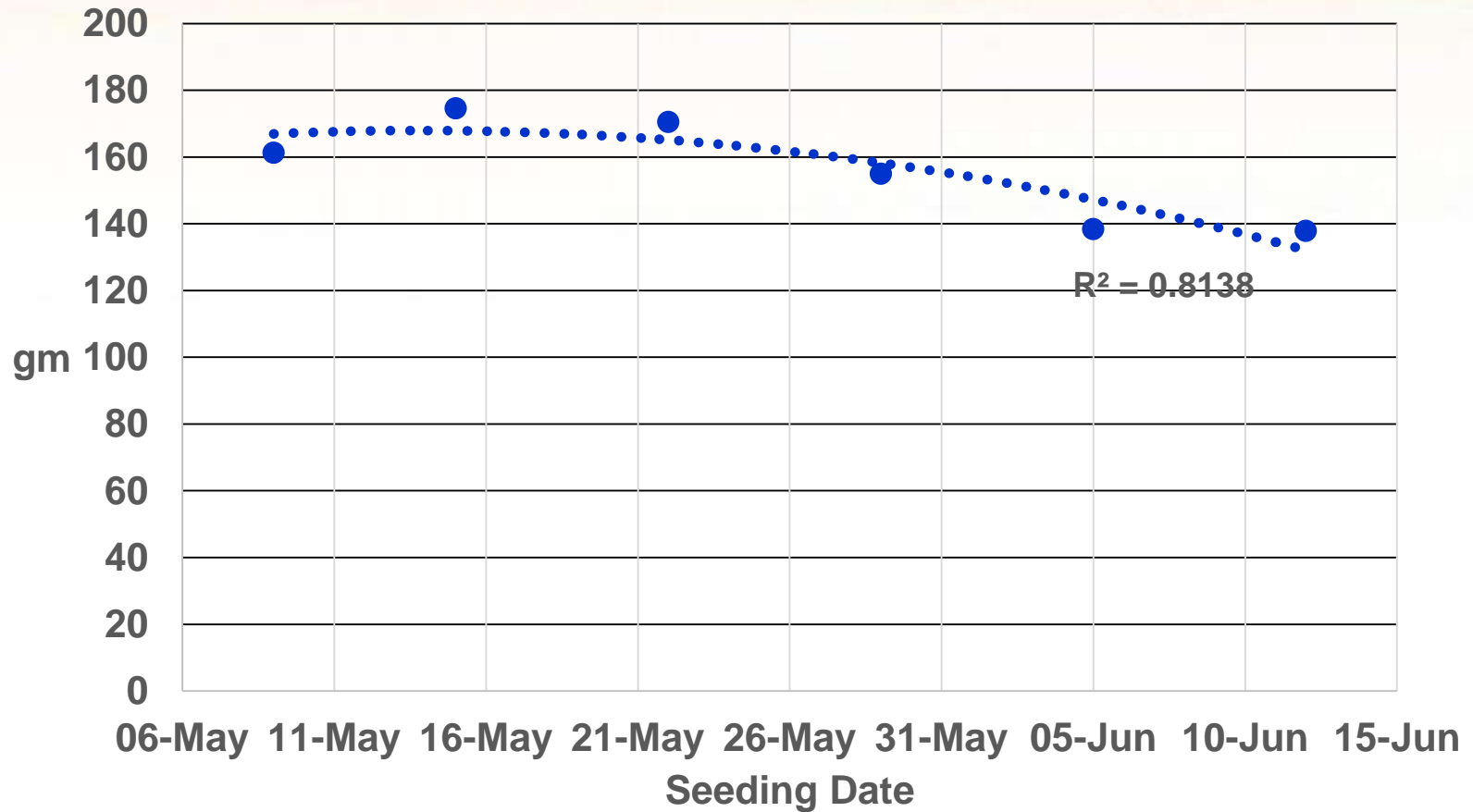
# Soybean Seeding Date Study



# Soybean Seeding Date Study



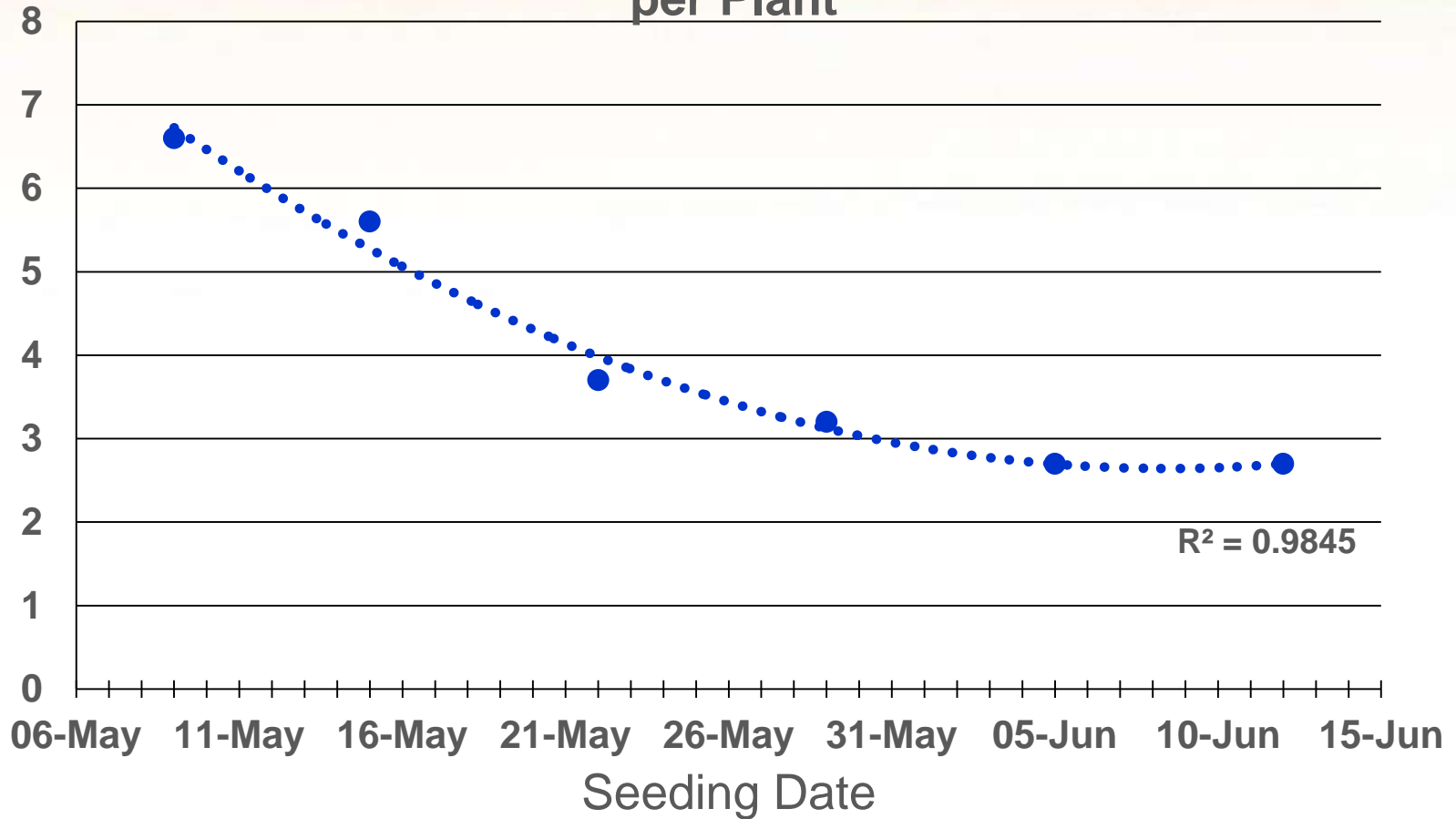
TKW



# Soybean Seeding Date Study

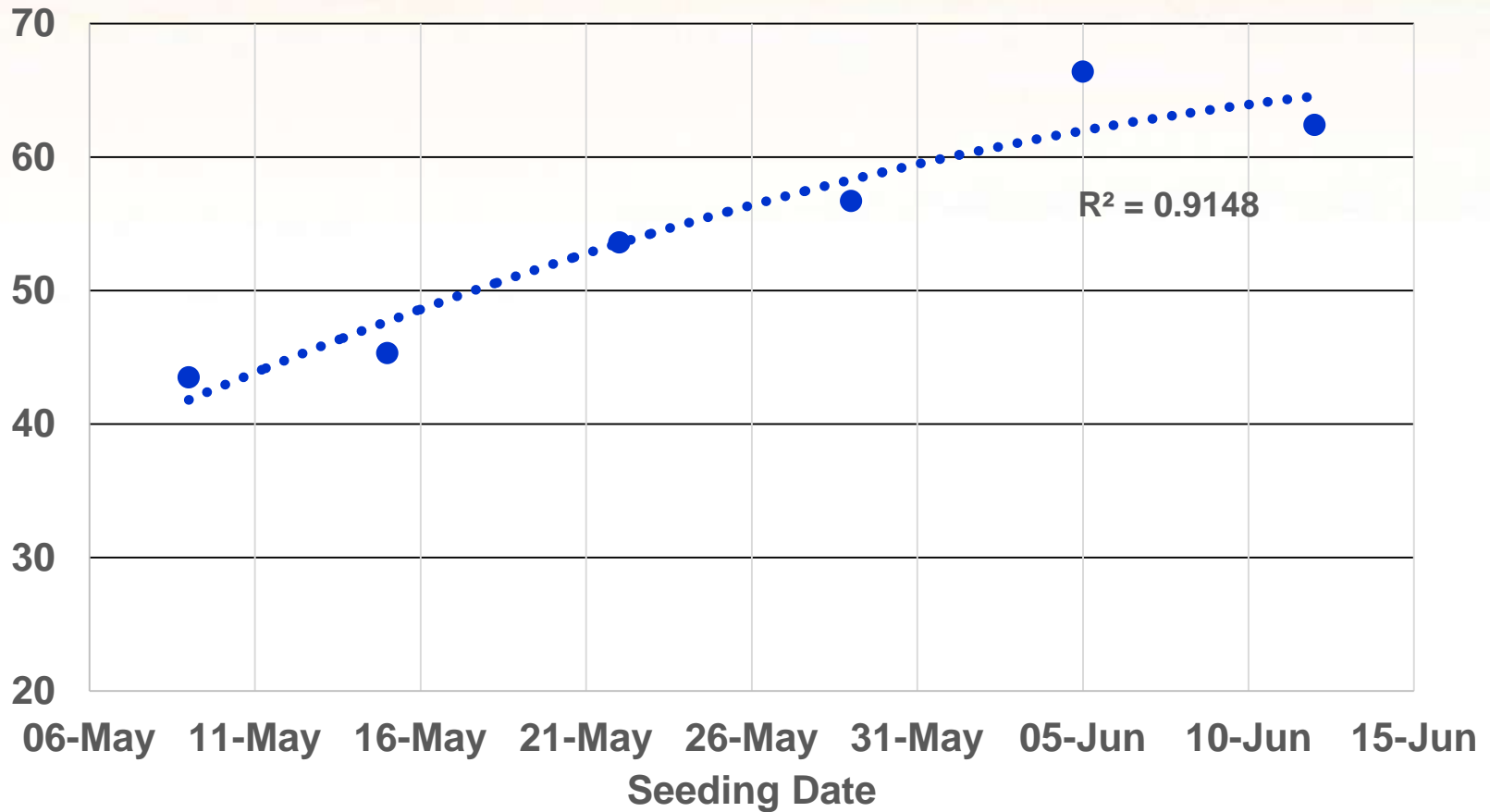


# Pods <1.25"  
per Plant



# Soybean Seeding Date Study

## Plant Height (cm)



# Thank You

