

# 2020 PRAB Production Practices Survey

*Scott Bales & Joe Cramer*



# Methods

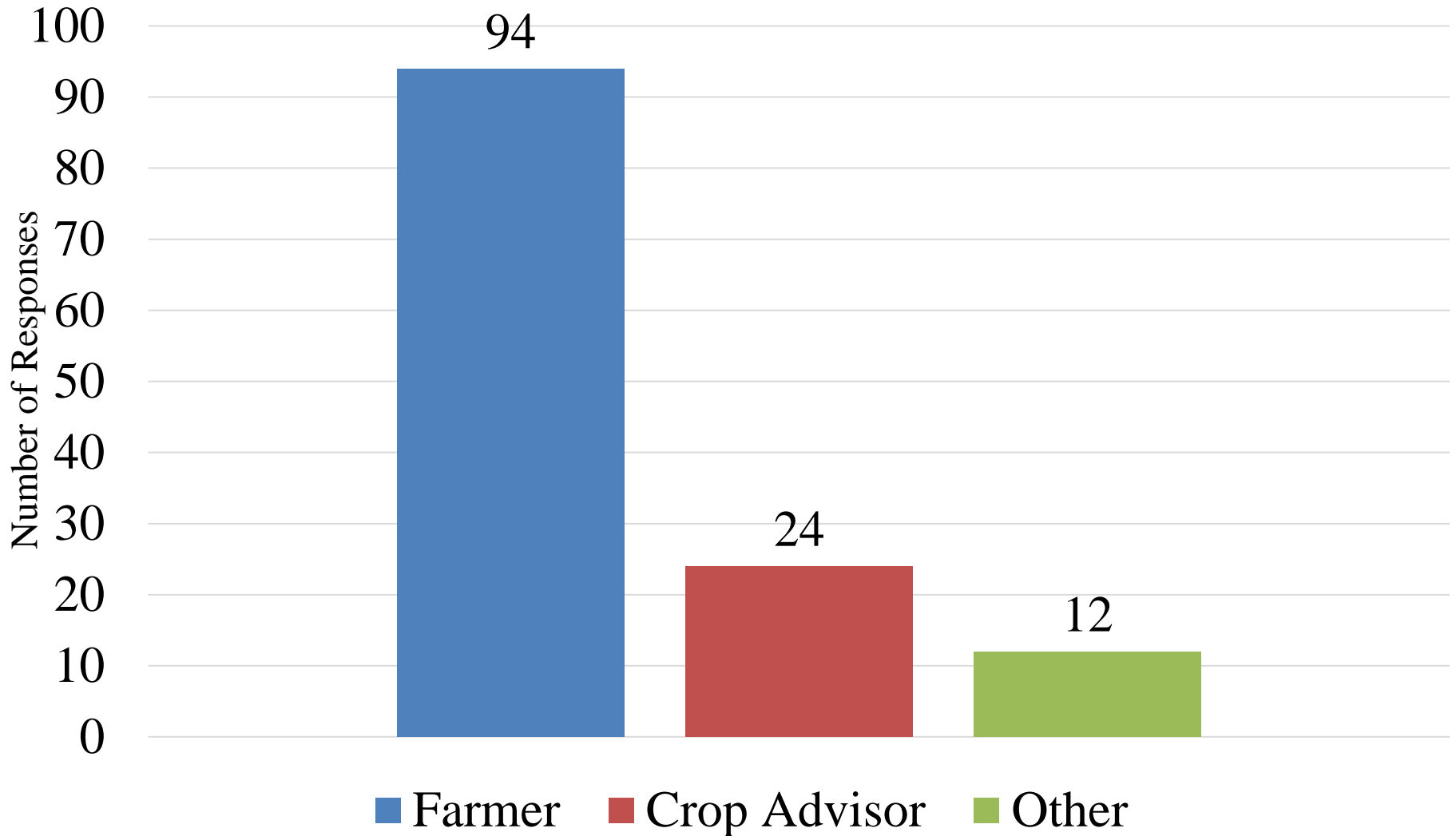
- Dry bean growers and Crop advisors were surveyed
  - Qualtrics survey software
  - 34-36 questions depending on the form
  - 130 Total Responses
- Broke into two groups for analysis\*

*Crop Advisor*

Farmer

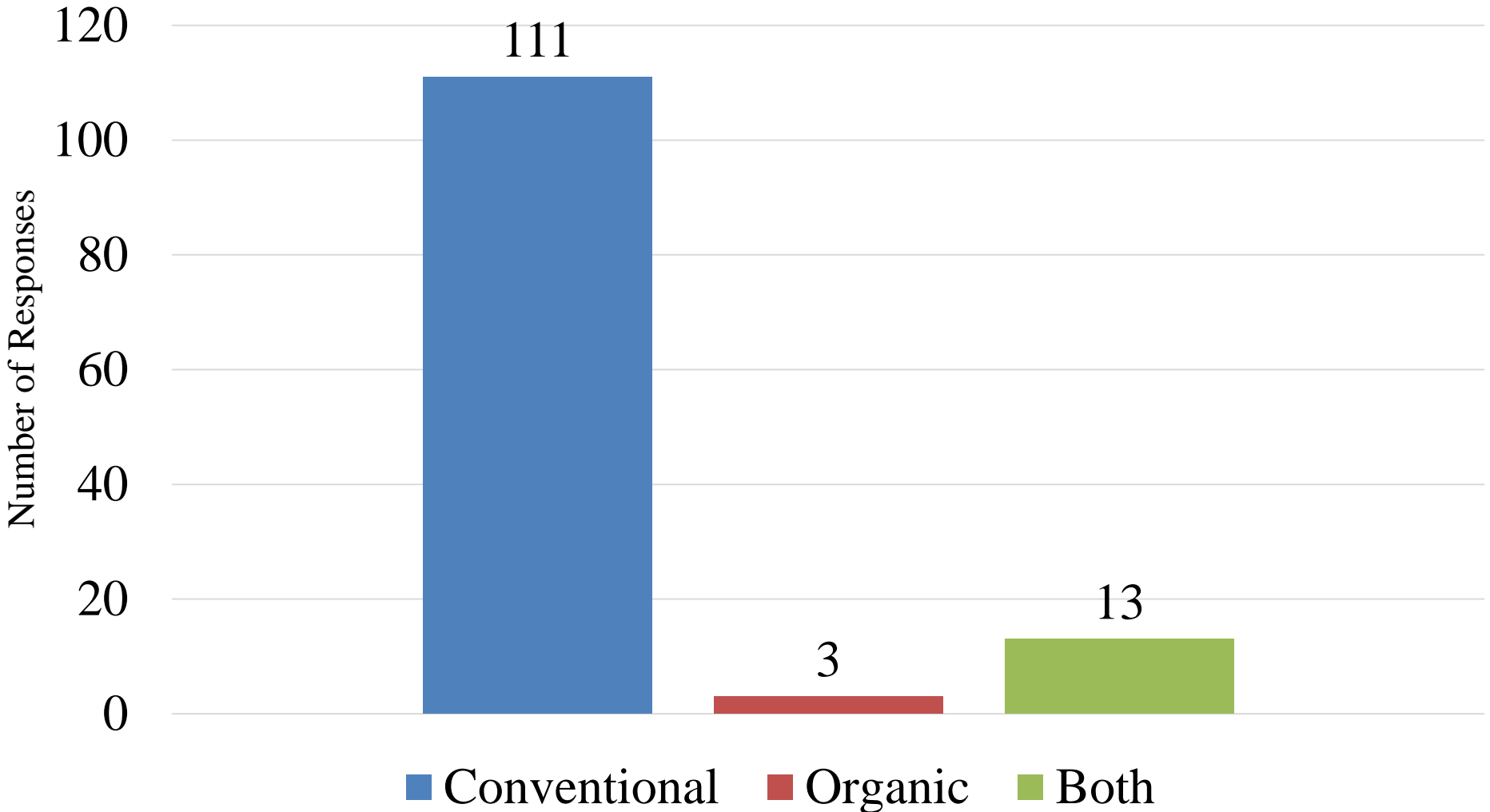
# How would you define yourself?

Total: 130

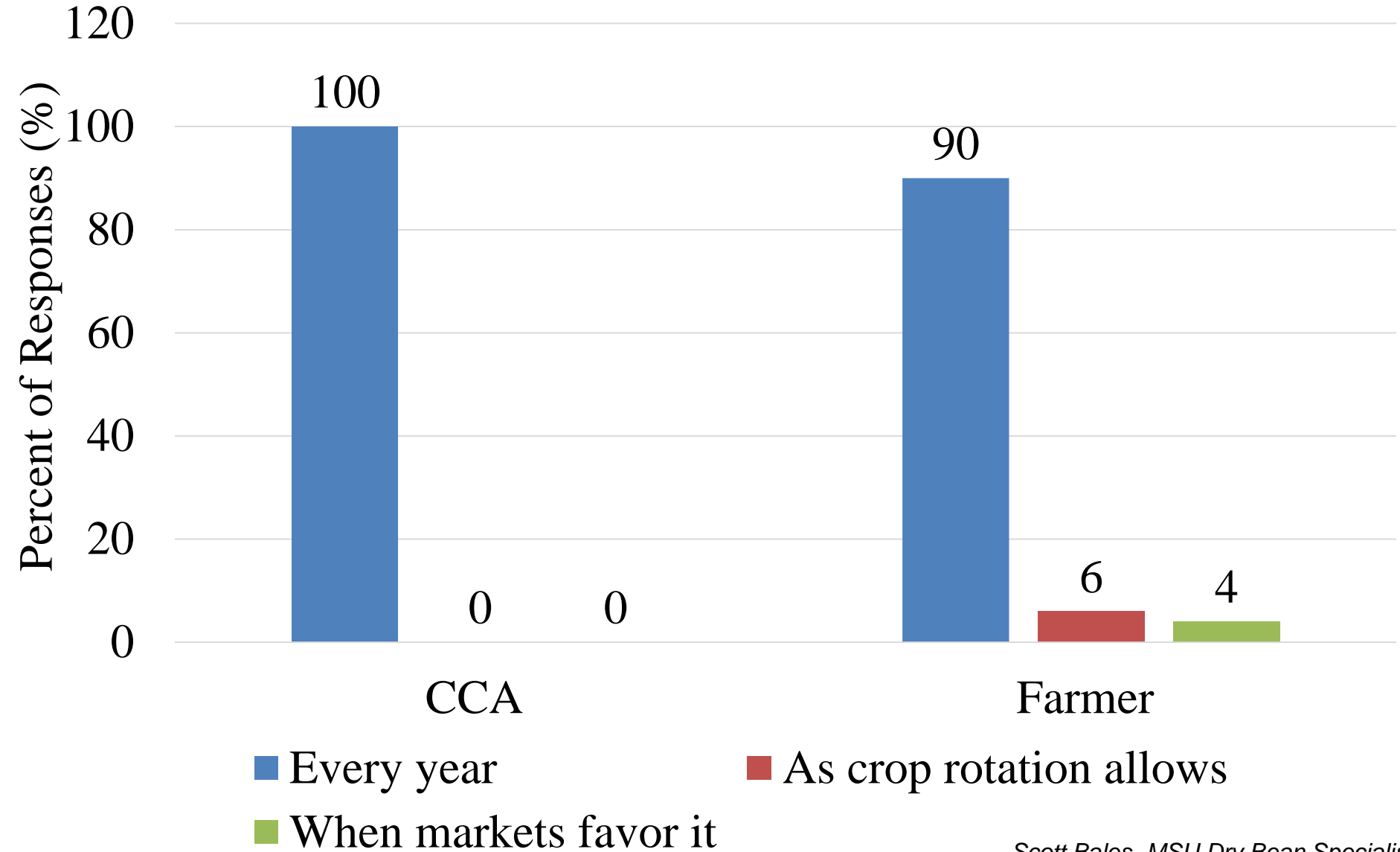


# How do you farm?

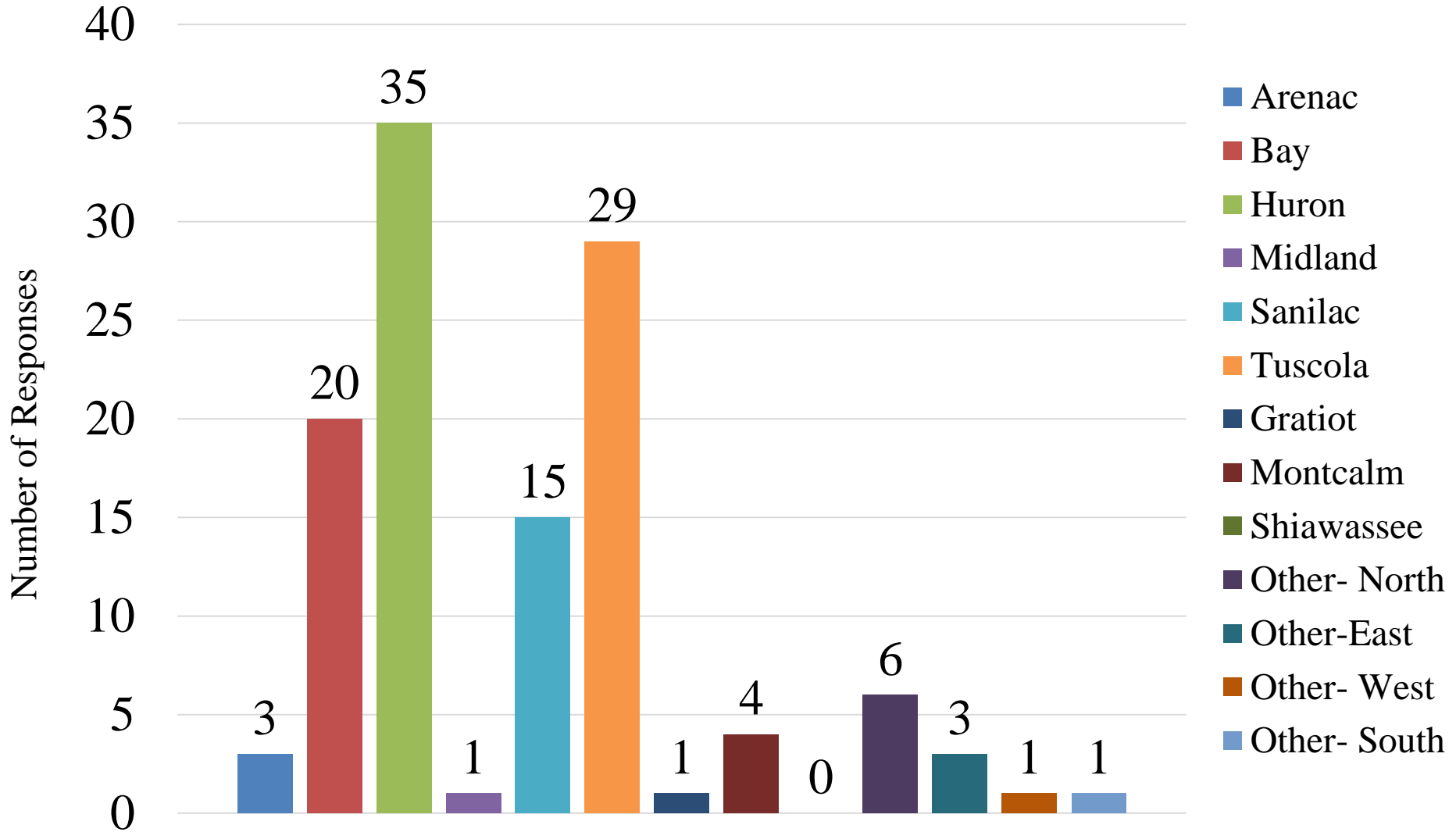
## *Farmers and Advisors*



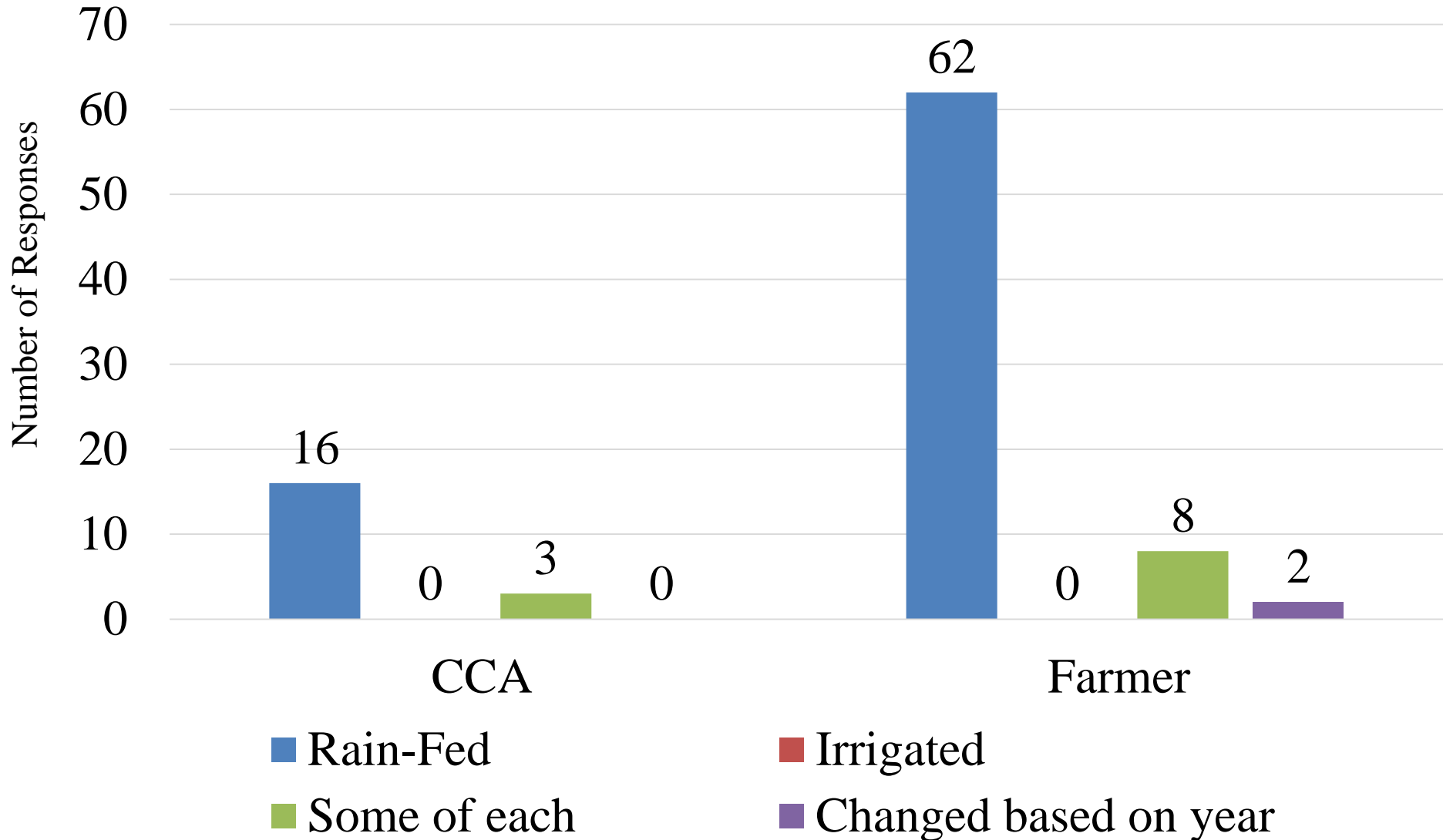
# How often do I grow/advise on dry beans?



# Where do I raise beans?

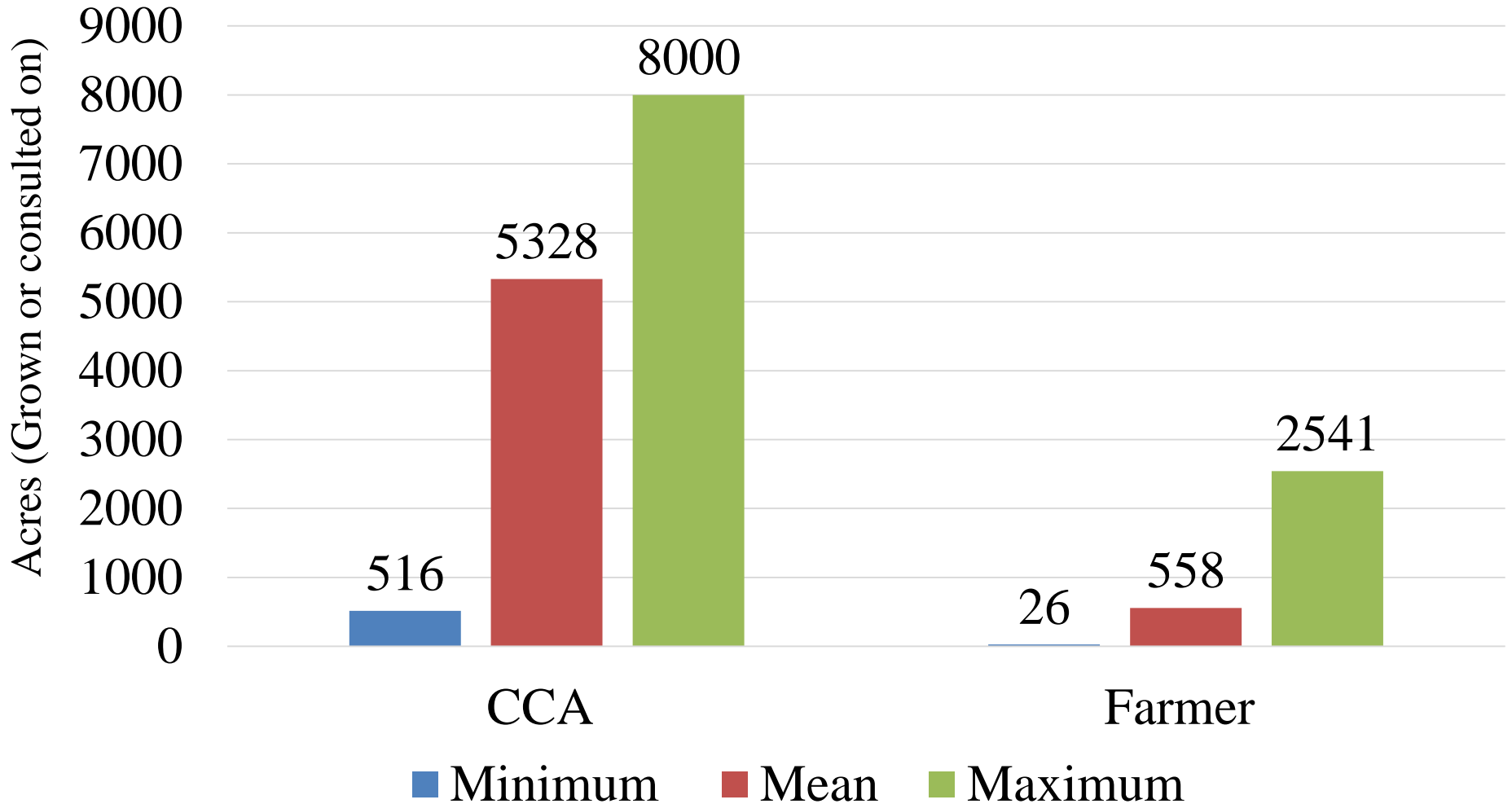


# Are Your Dry Bean Irrigated?



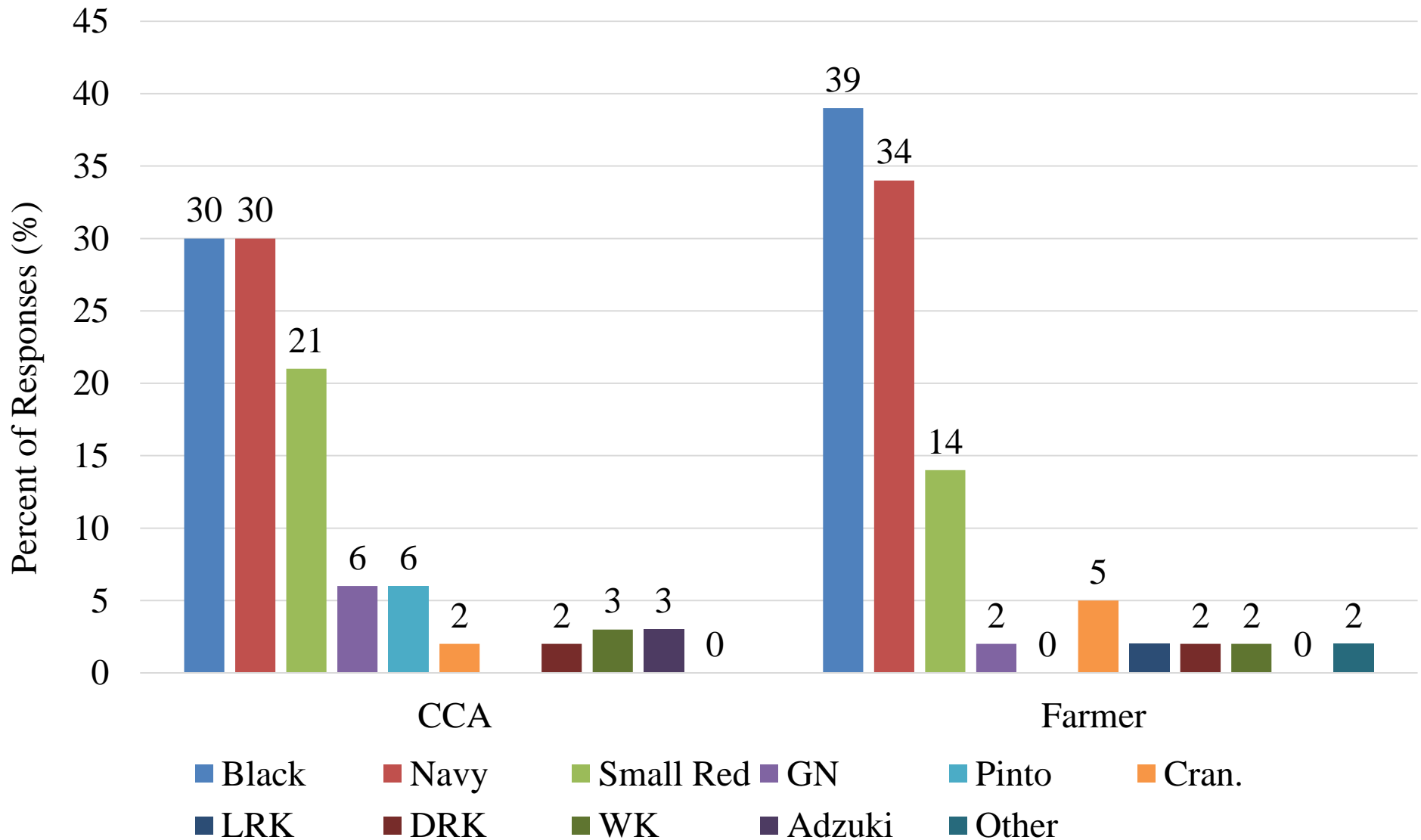
# Dry Bean Acres

*Combined total over 100K!*

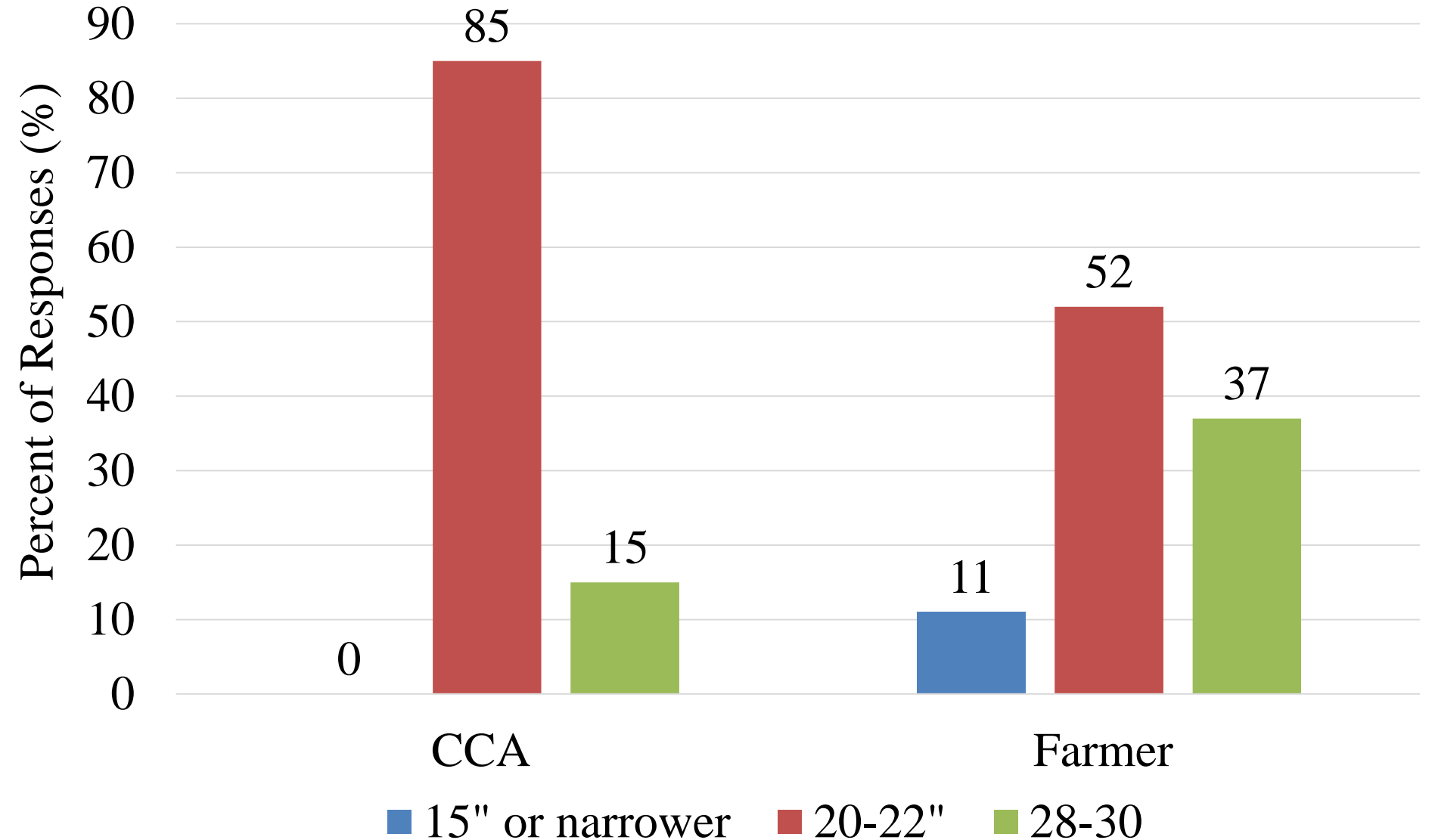




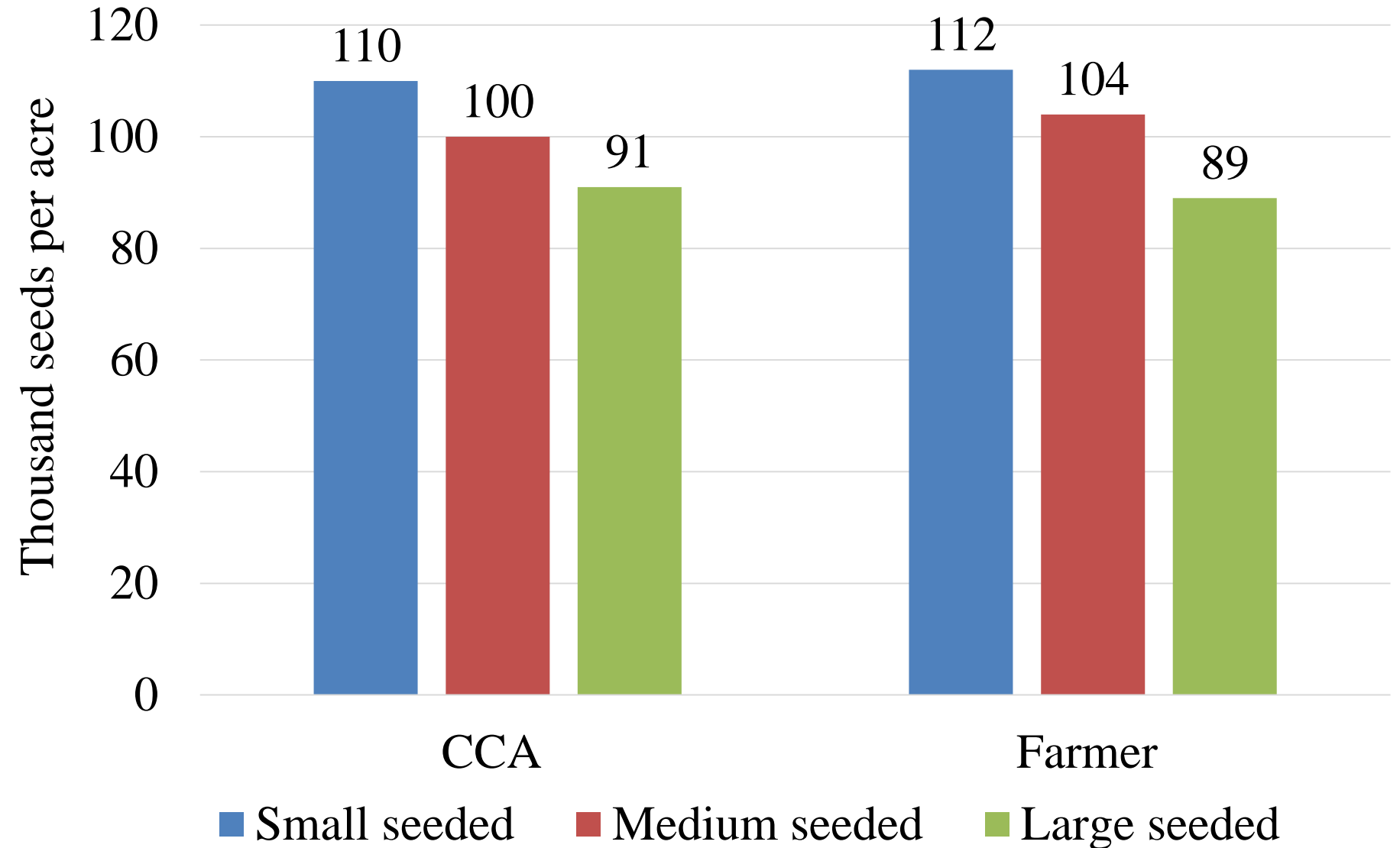
# Classes Grown



# Row Width Planted

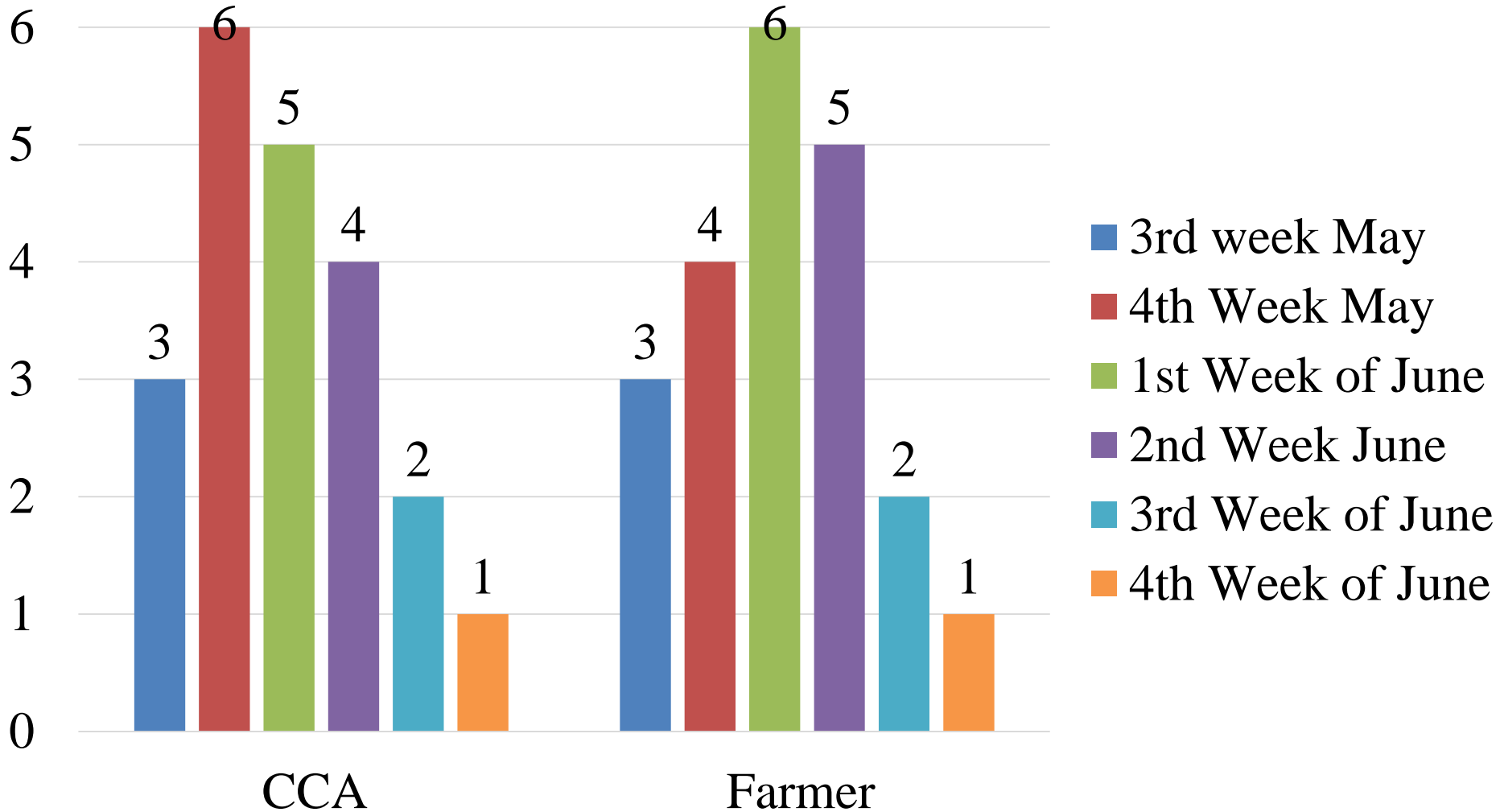


# Planting Population

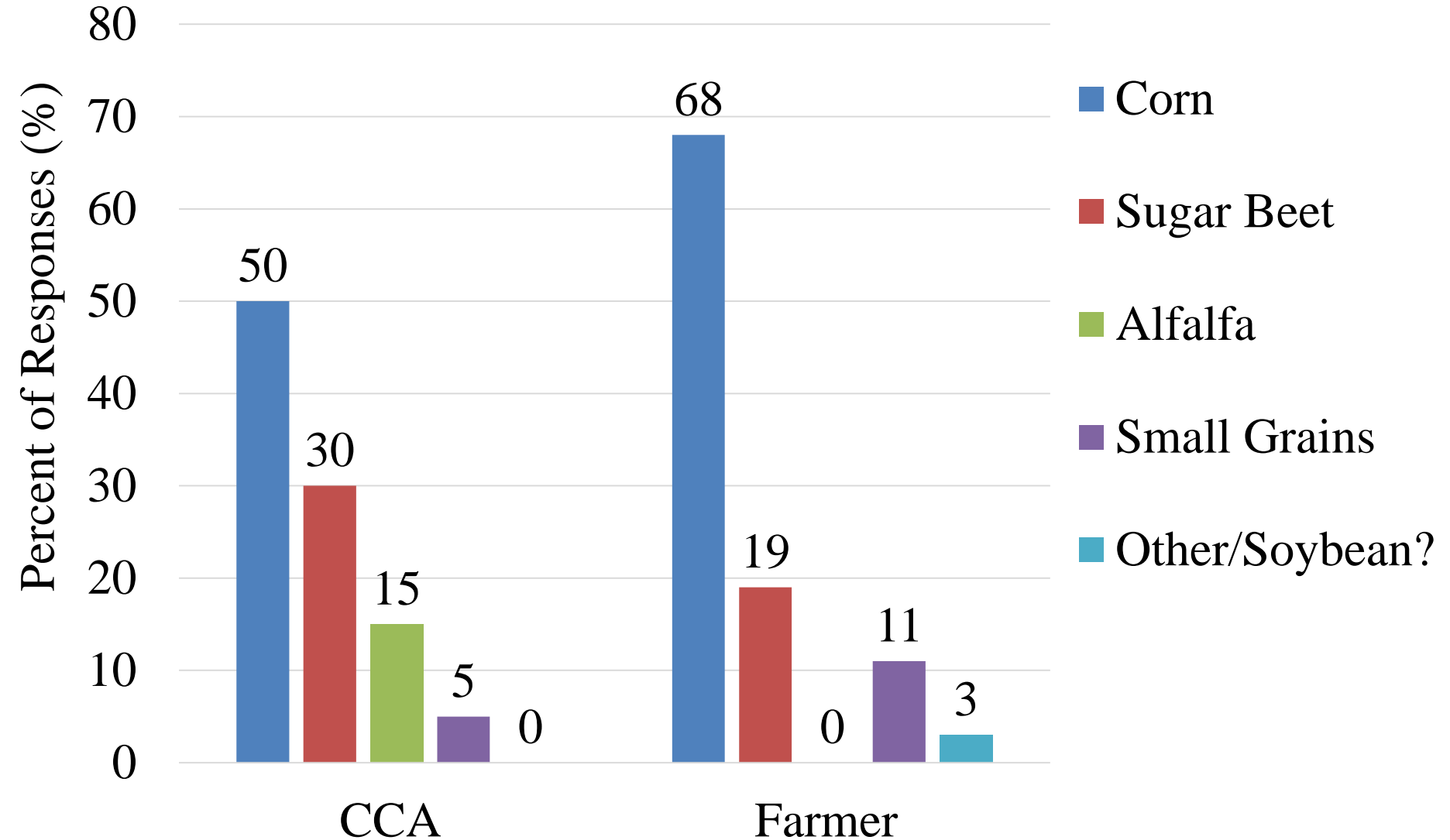


# Preferred Planting Date

*(6-most preferred, 1- least preferred)*

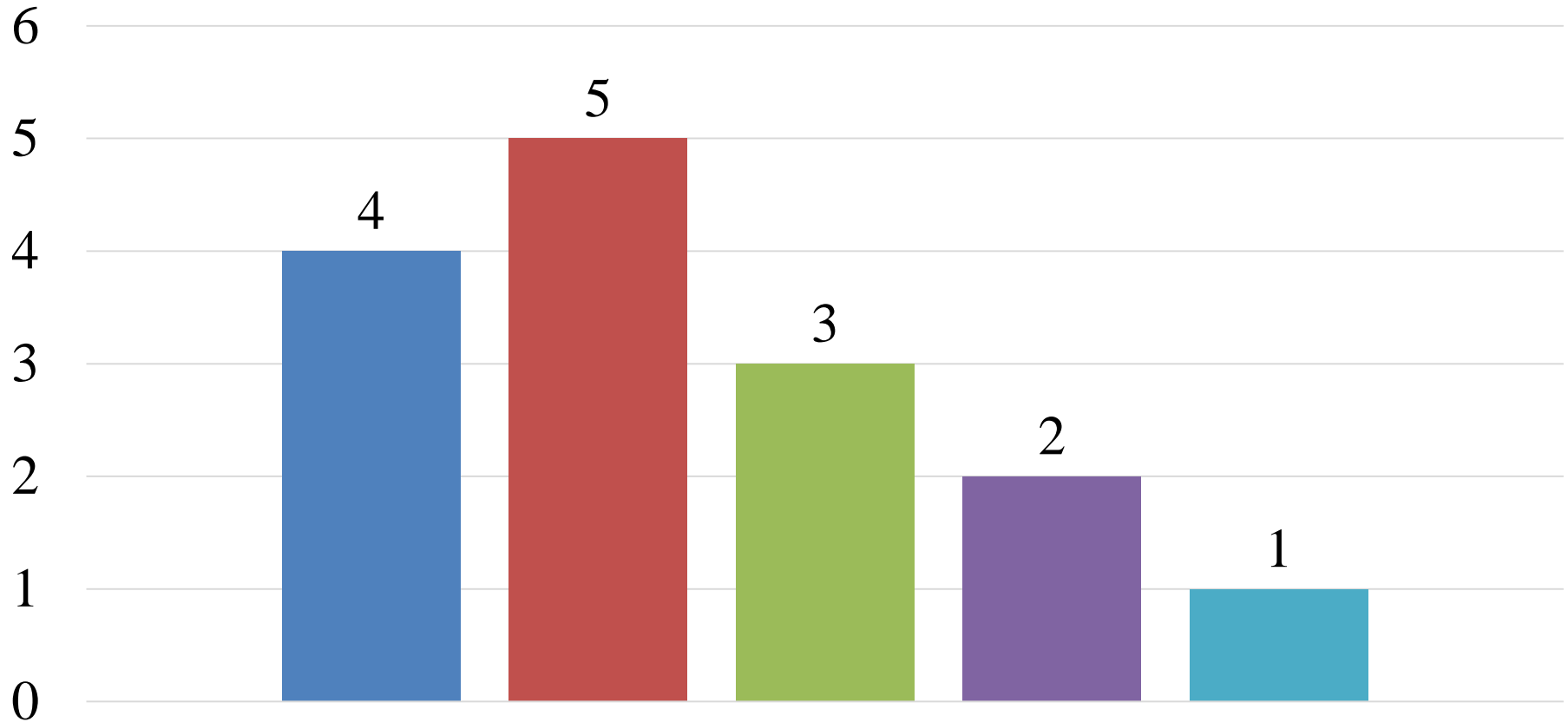


# Preferred Previous Crop?



# Nitrogen Source

*(5- most preferred, 1- least preferred)*

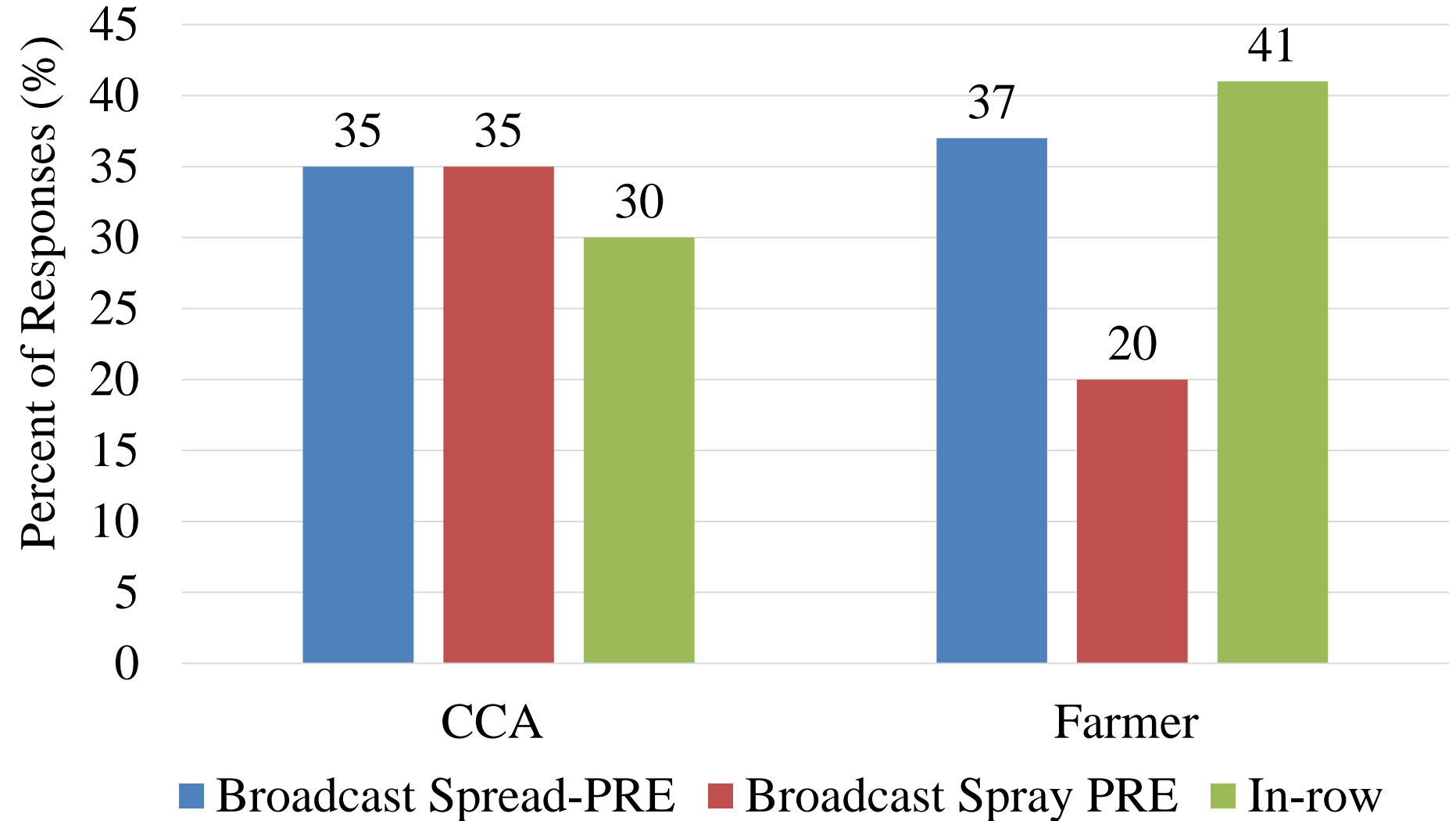


Farmers and Crop Advisors

■ Urea ■ Liquid ■ AMS ■ Manure ■ Other

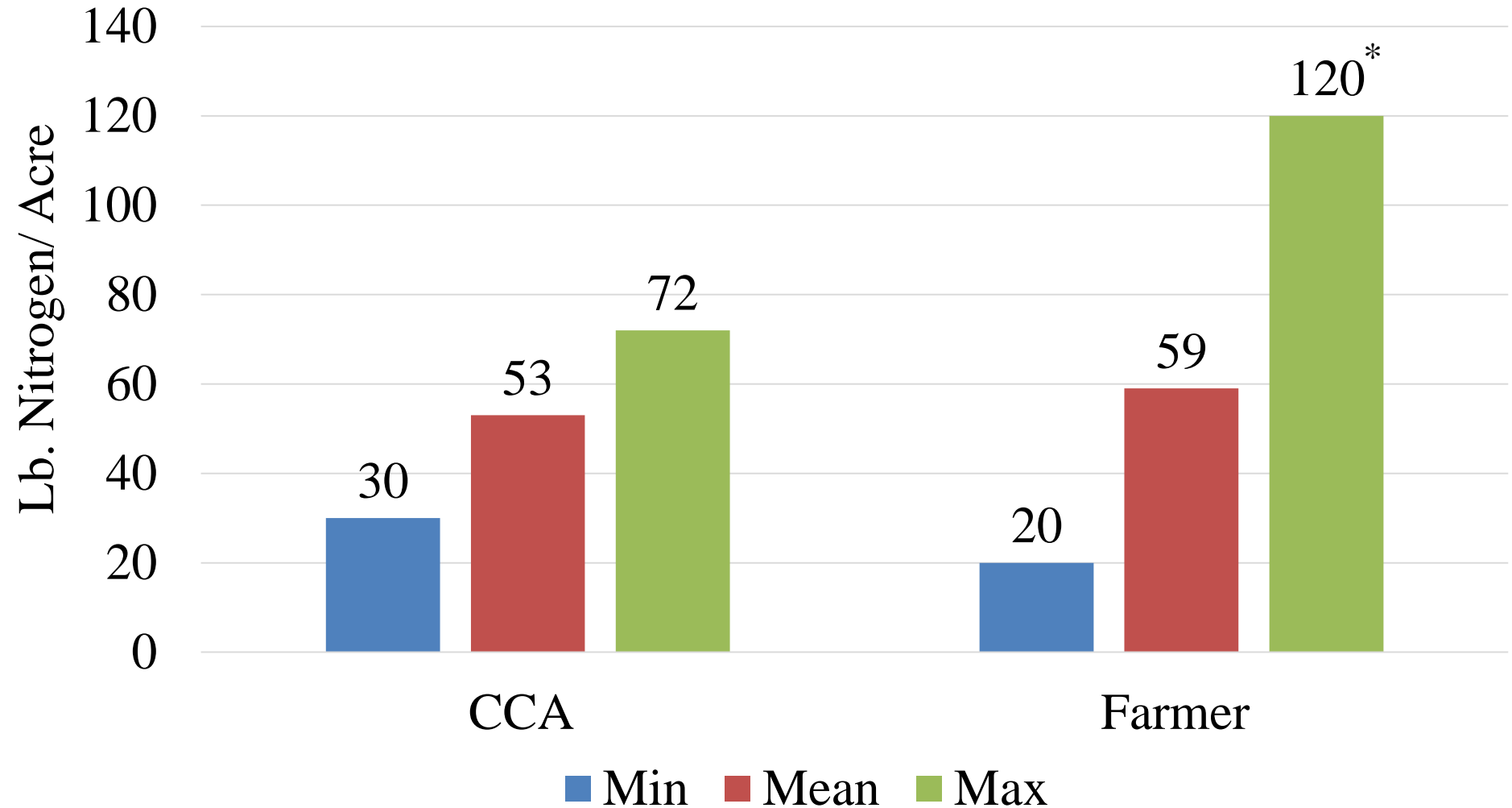
# Nitrogen Application Method and Timing

*0% applied N topdress*



# Nitrogen Rates

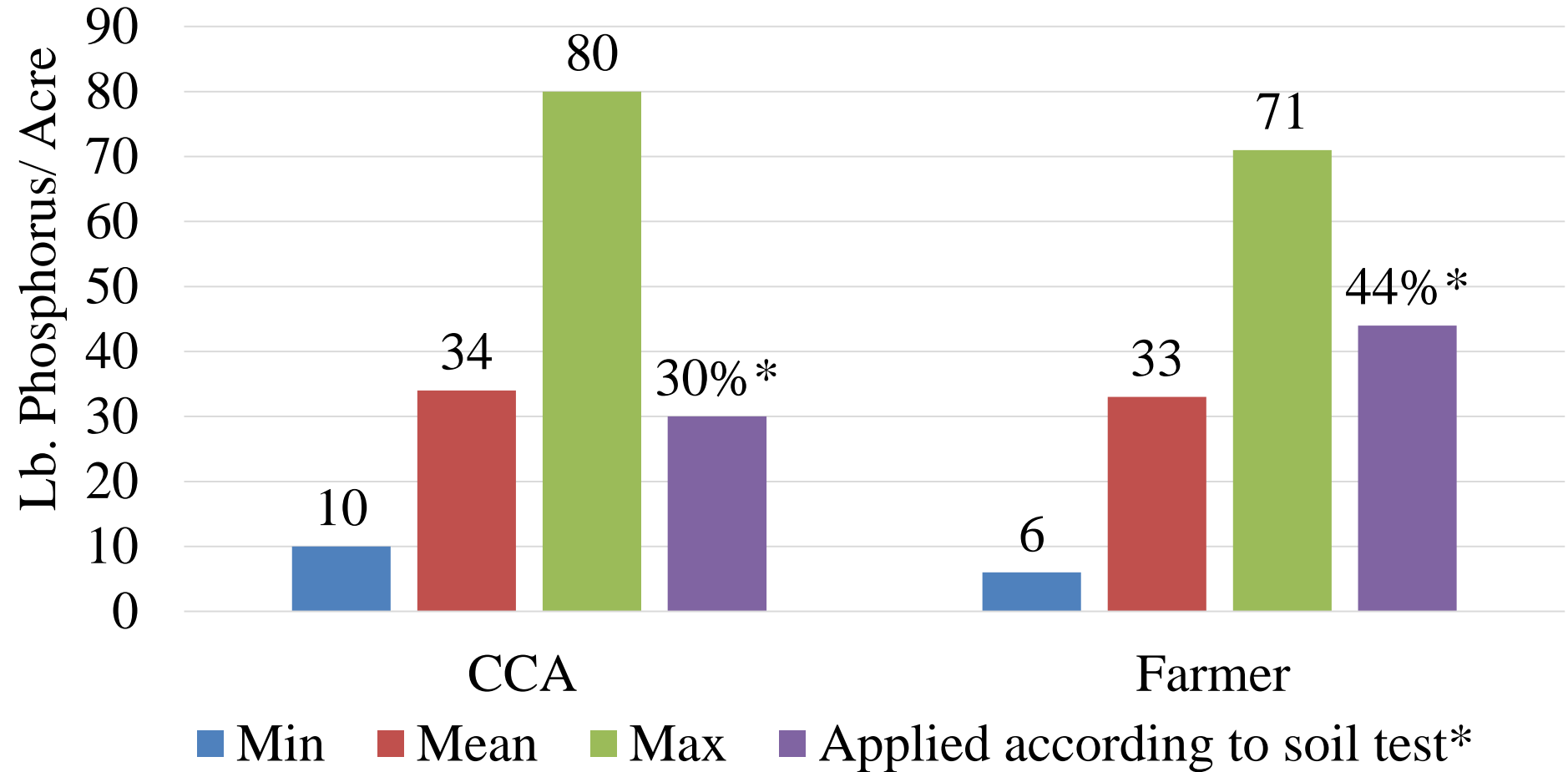
*\*Higher N rates under irrigation*





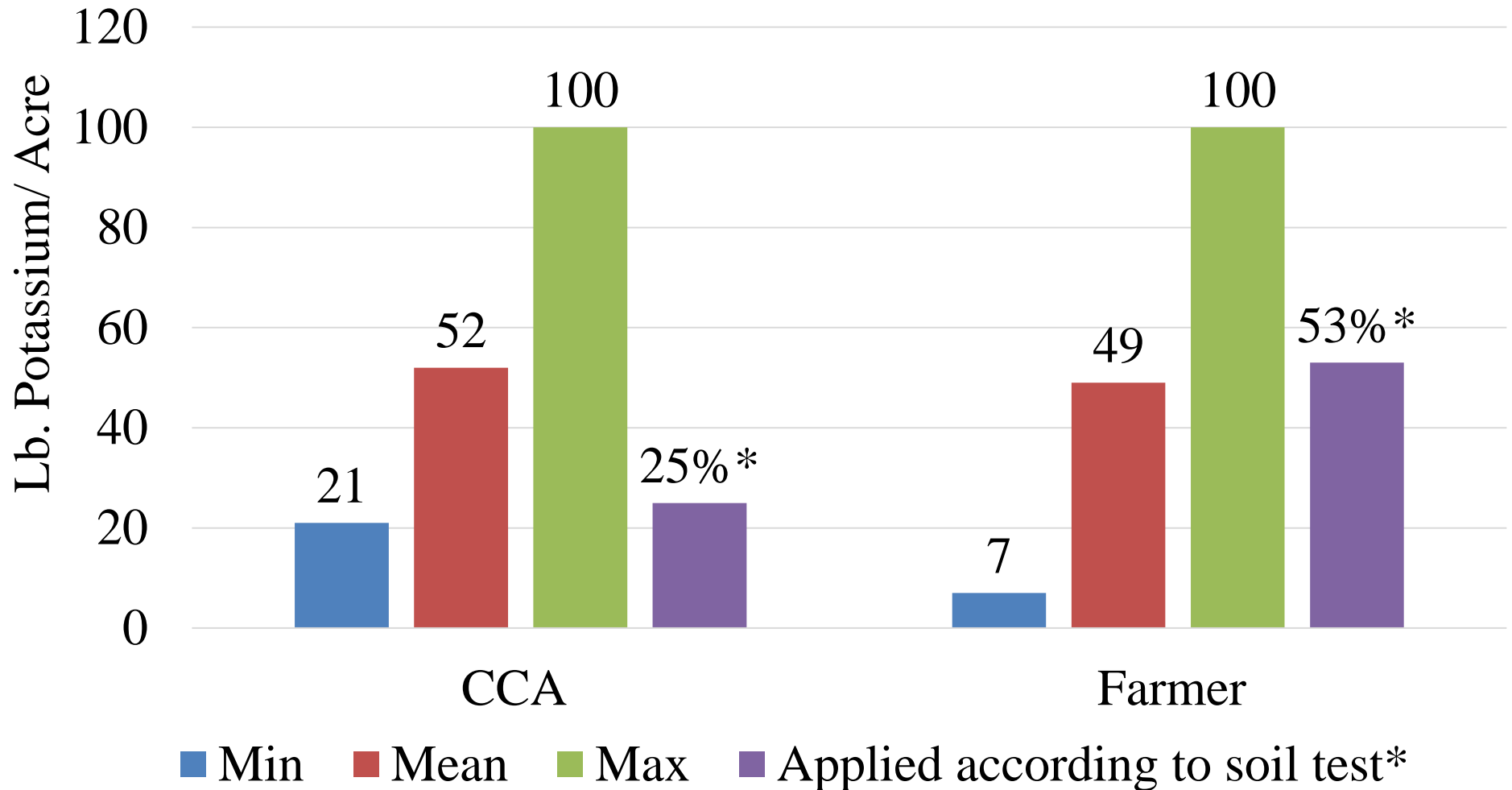
# Phosphorus Application Rate

*\*30% of advisors and 44% of Farmers apply only by soil test*

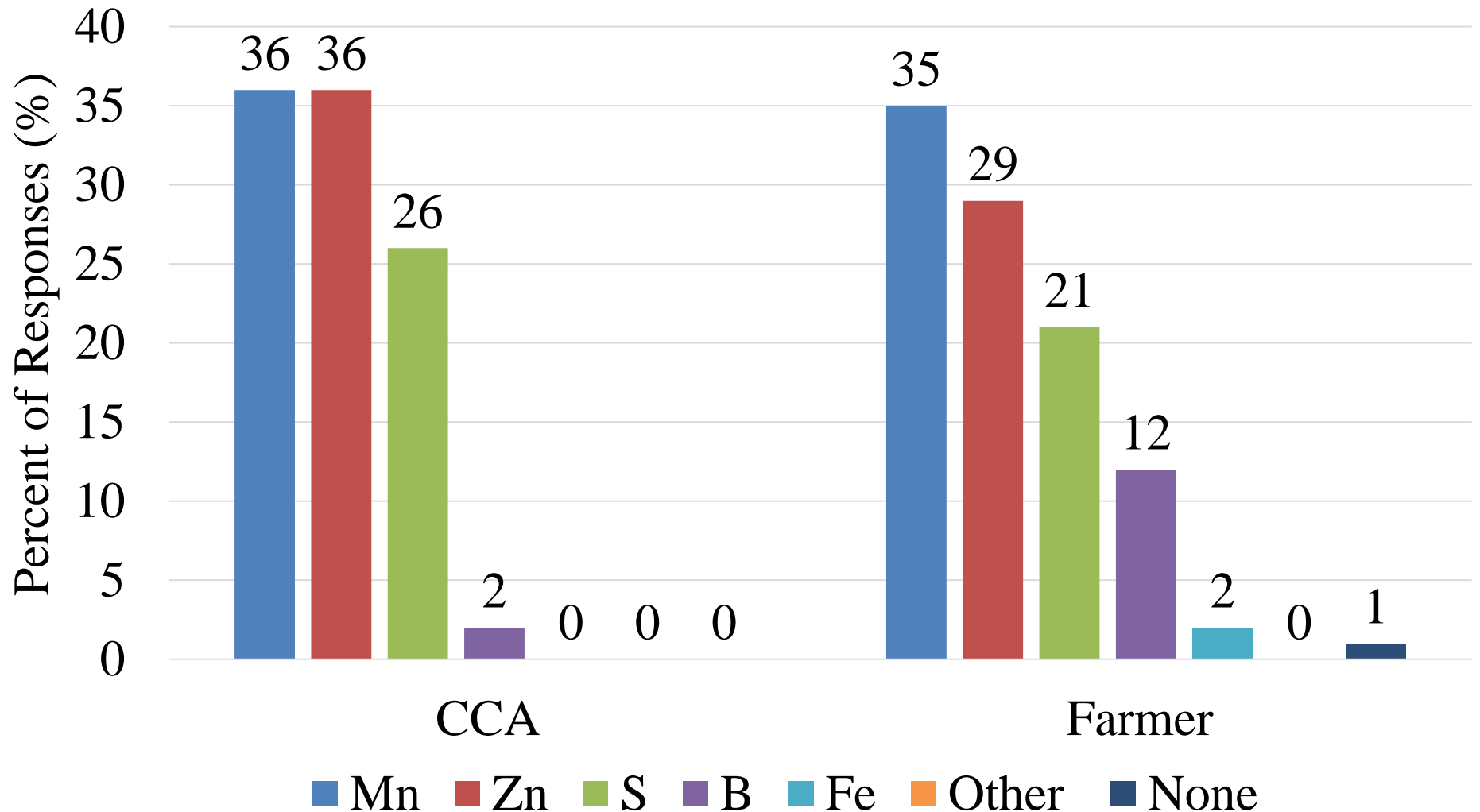


# Potassium Application Rate

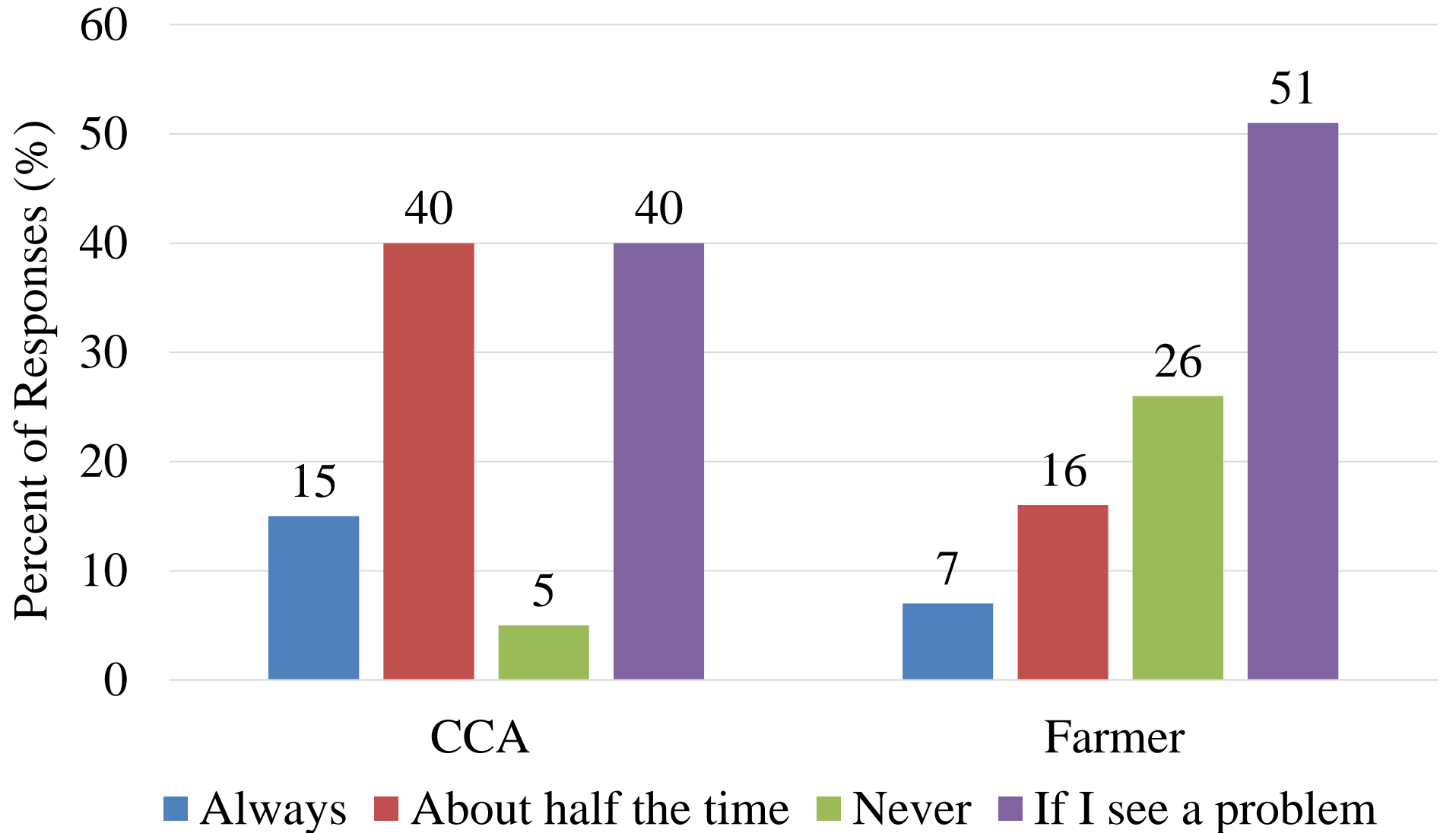
*\*25% of advisors and 53% of Farmers apply only by soil test*



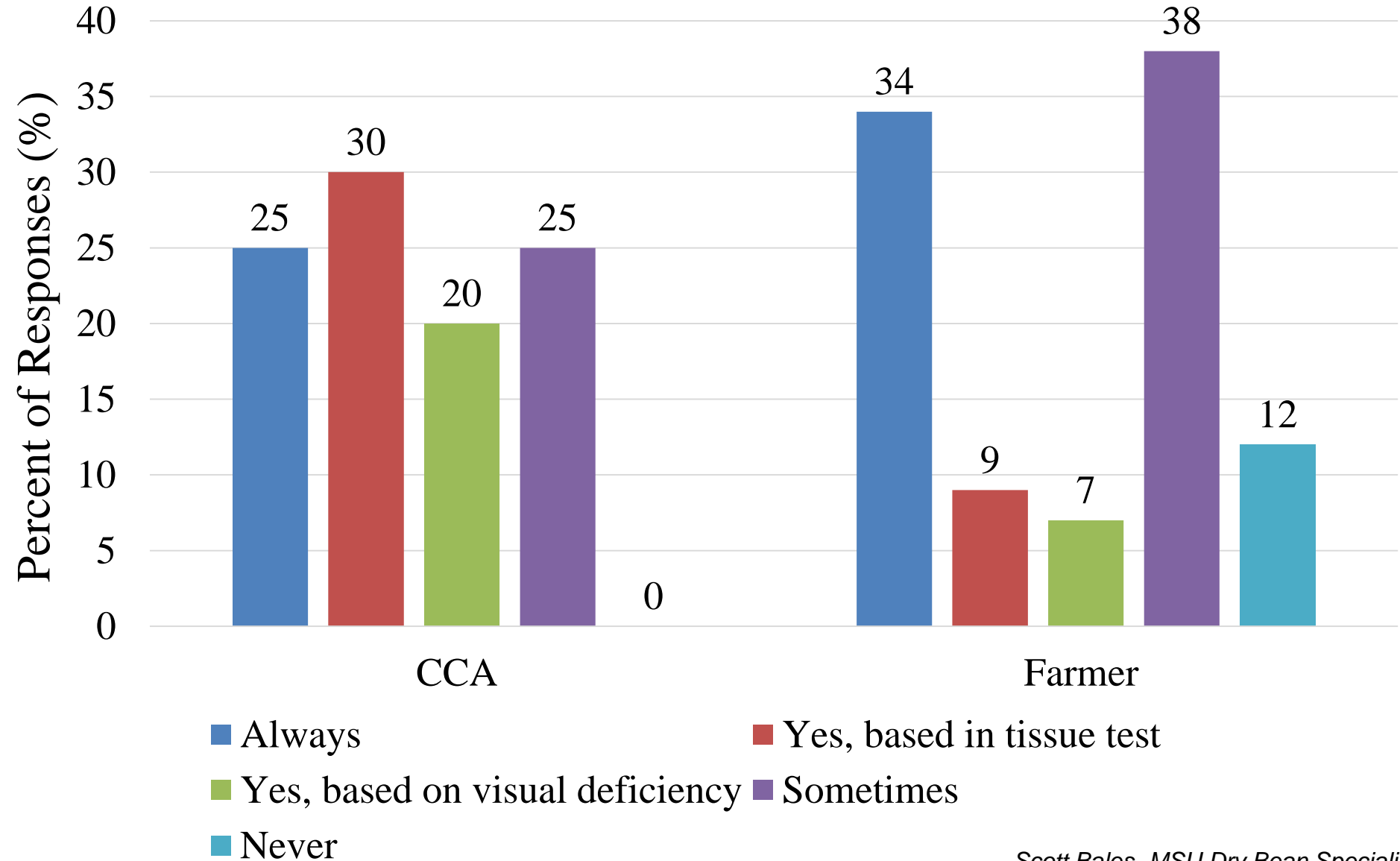
# What Micronutrients Do you Apply to Dry Beans?



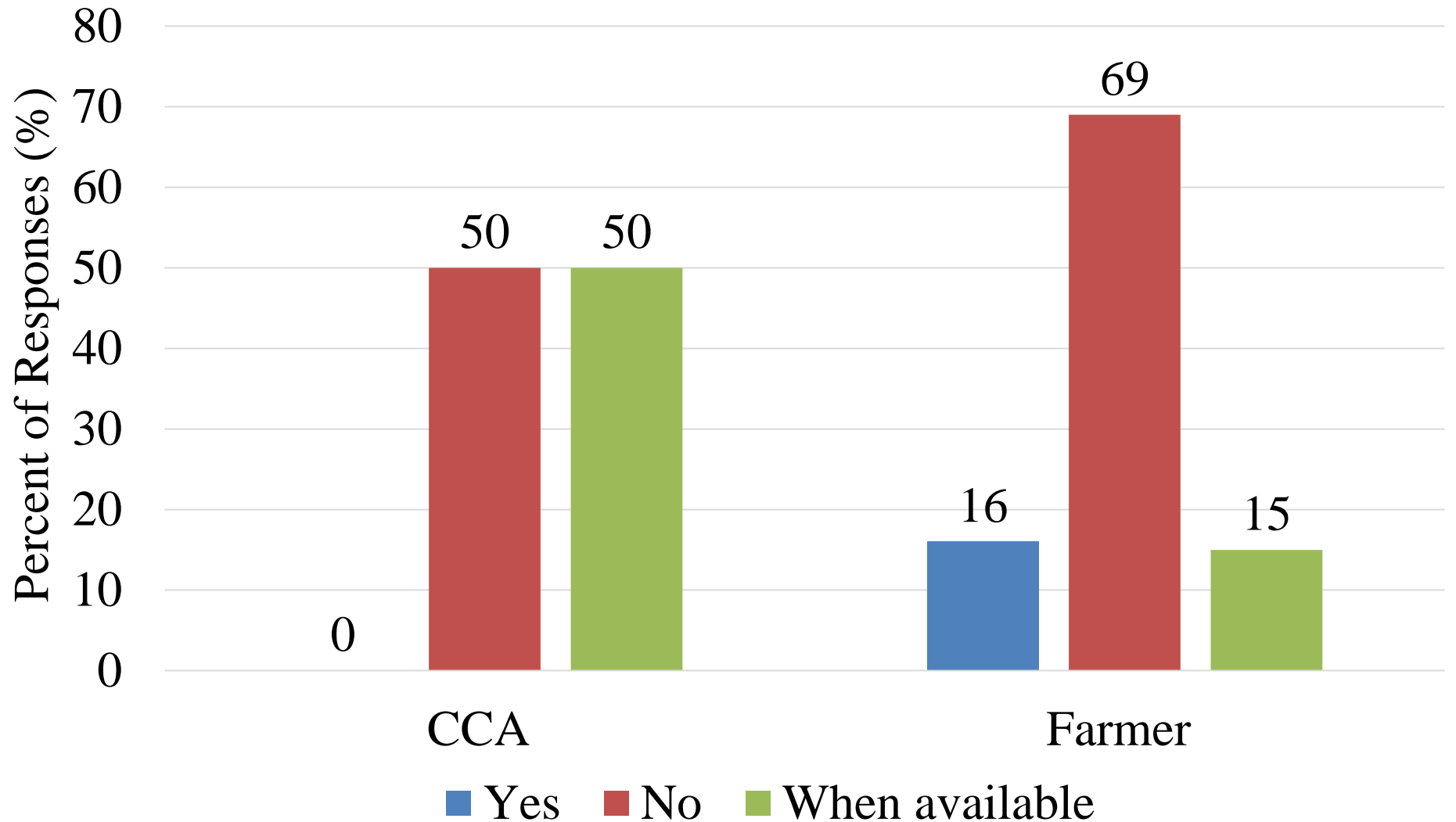
# How do you Tissue Test Dry Beans?



# Foliar Fertilizers

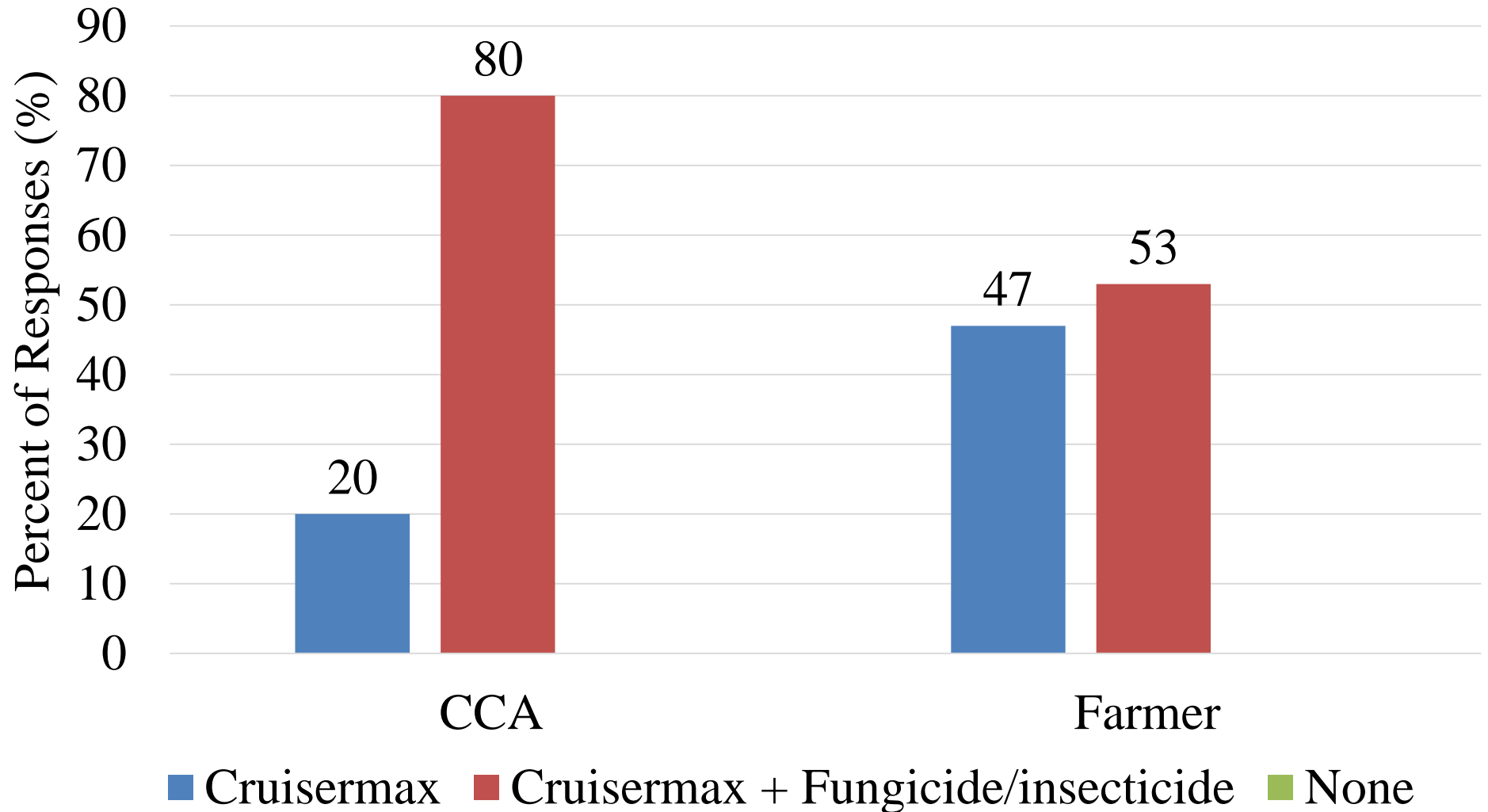


# Manure Included in Dry Bean Fertility Program? *Huron Co.*

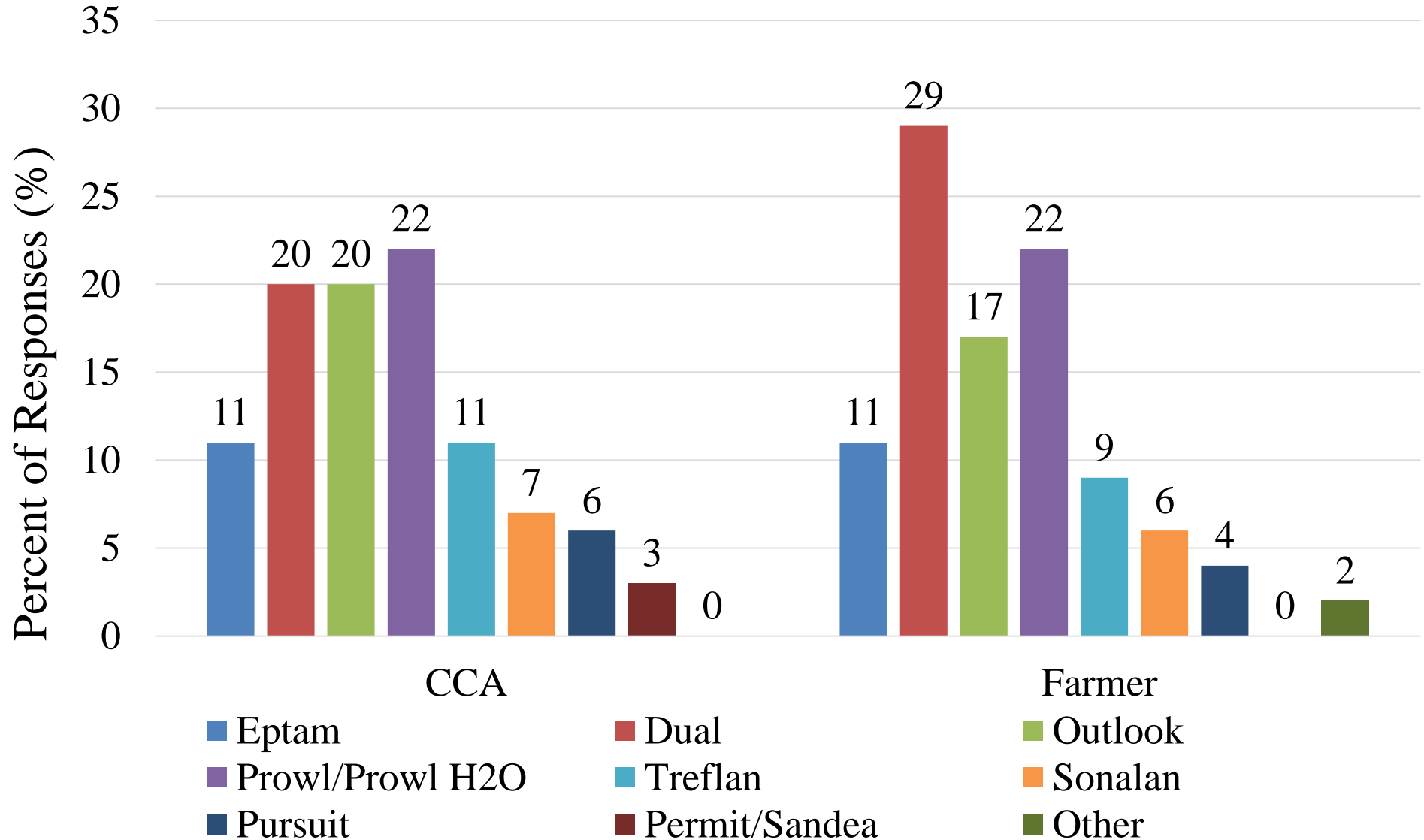


# Preferred Seed Treatment

*0% Lorsban, Allegiance, or Obvius Plus*

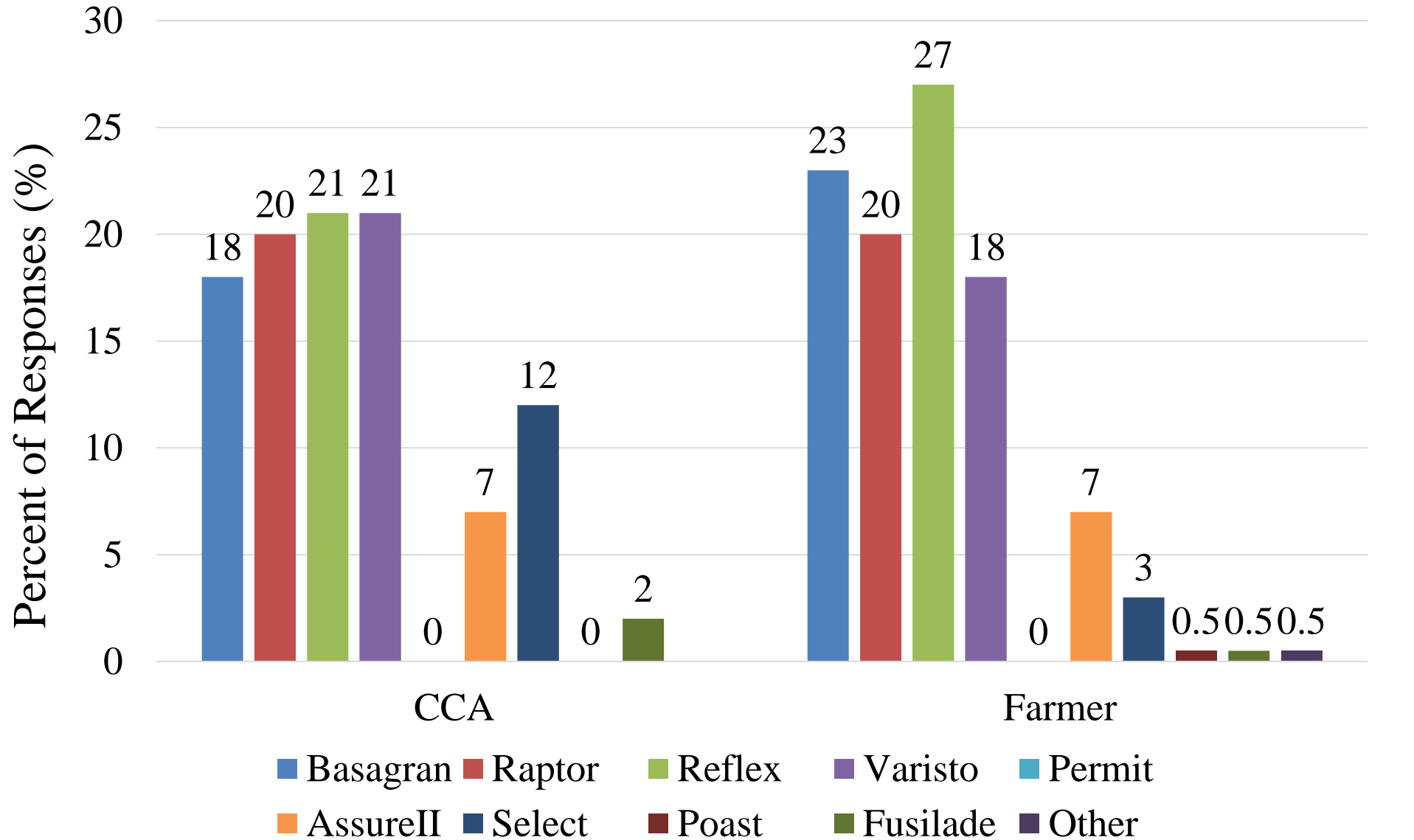


# Pre-Plant Herbicide Use

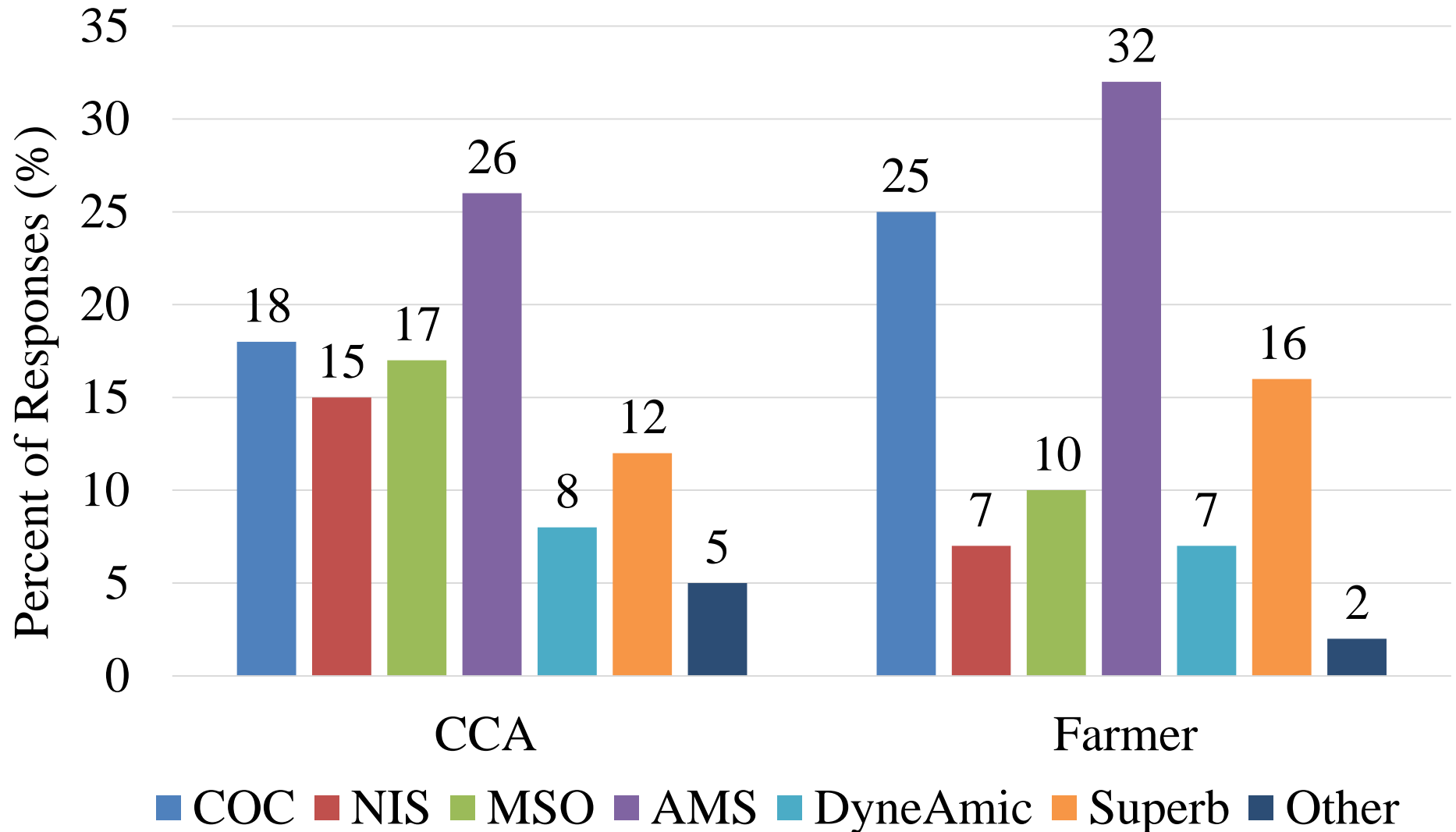




# Post-Herbicide Use

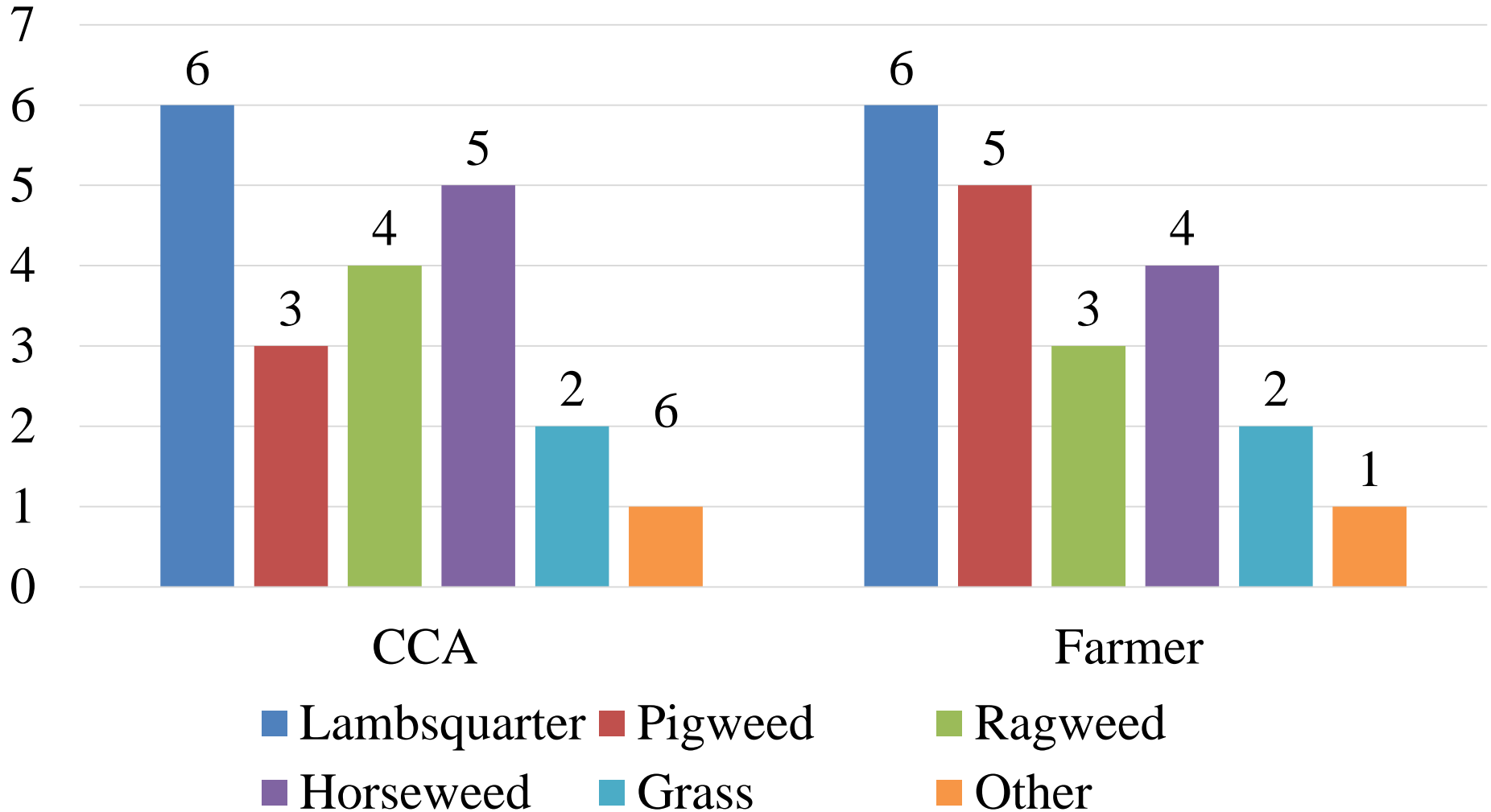


# Adjuvant Use With Herbicide

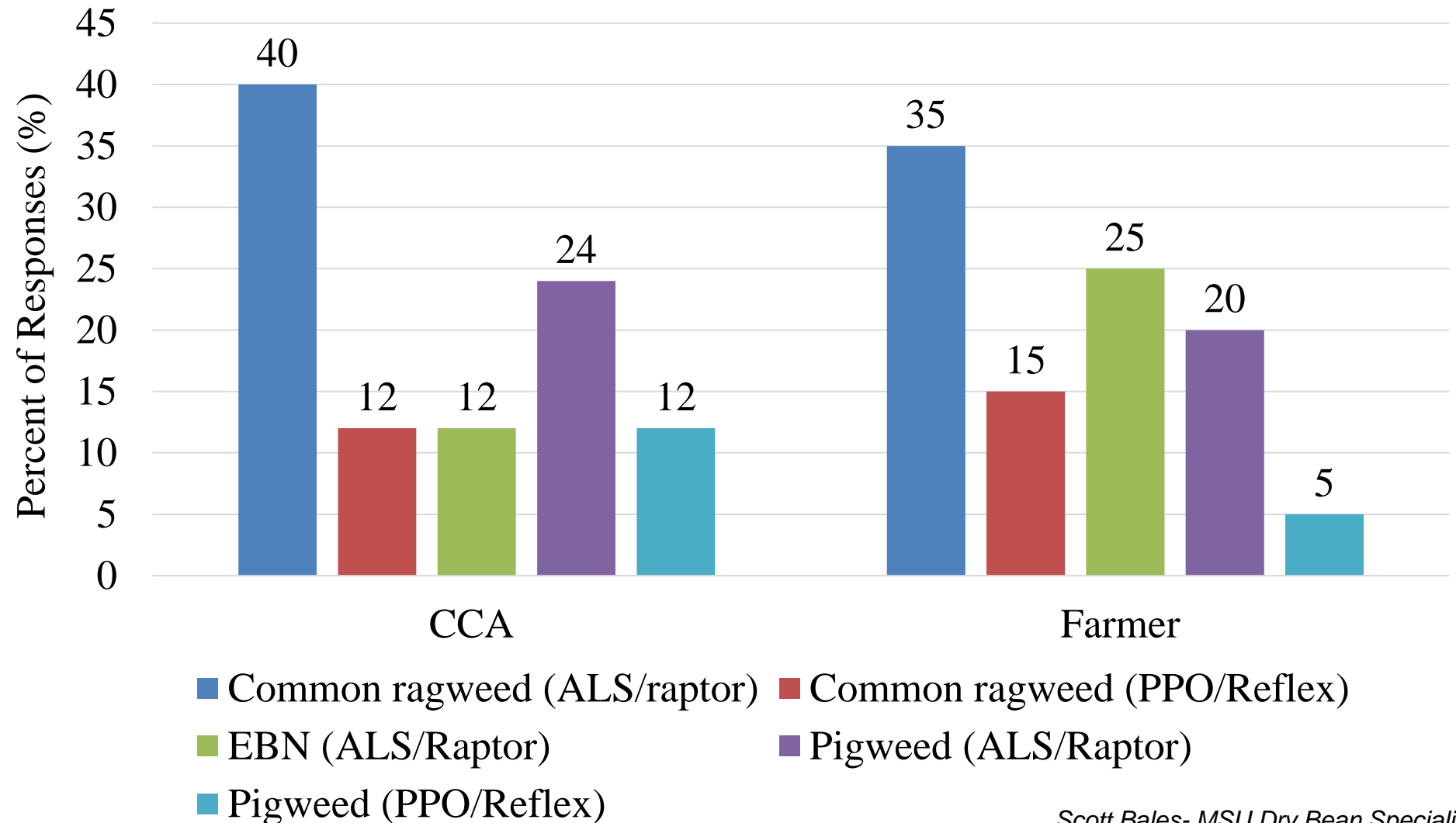


# Weed Control

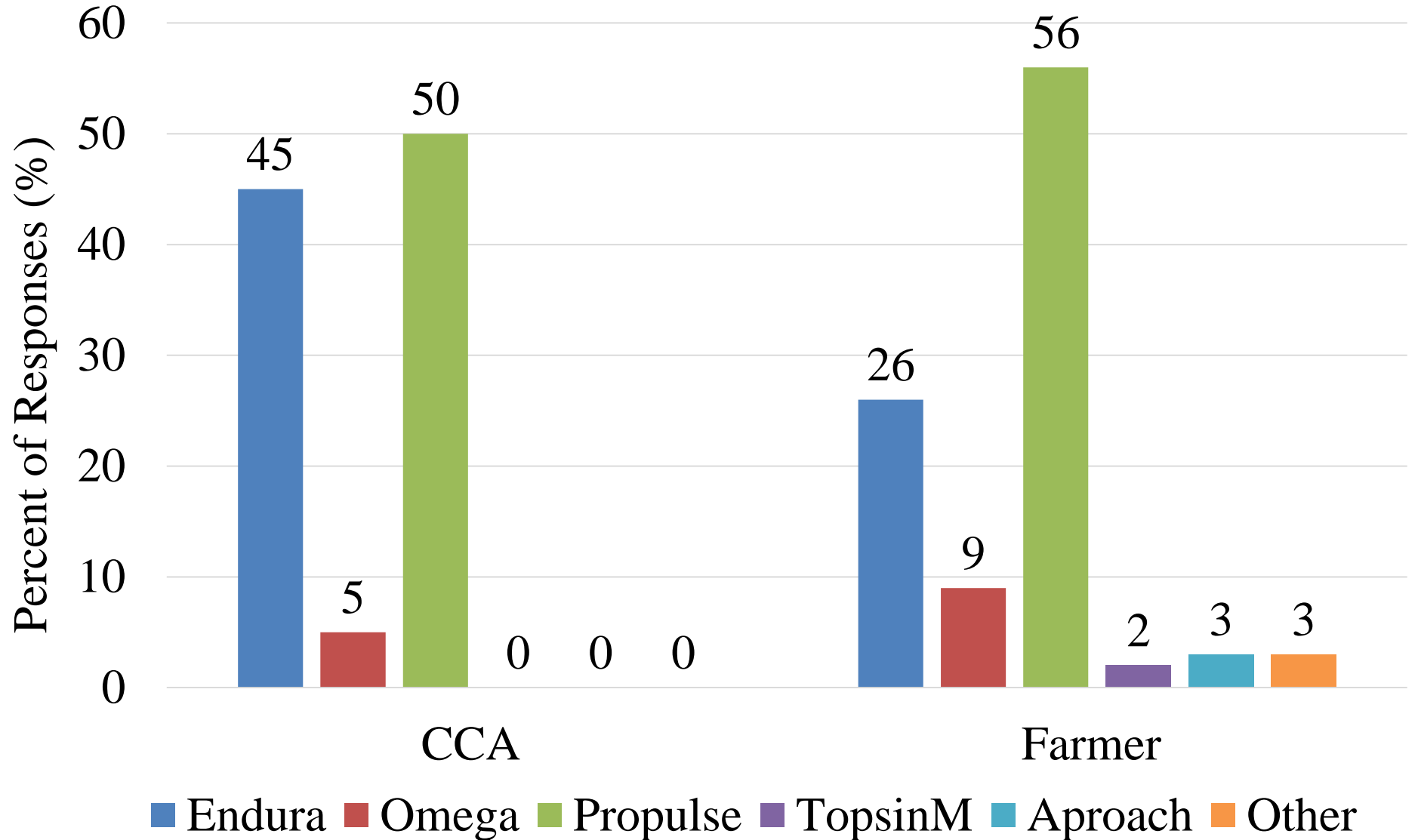
*(6- most difficult, 1- least difficult)*



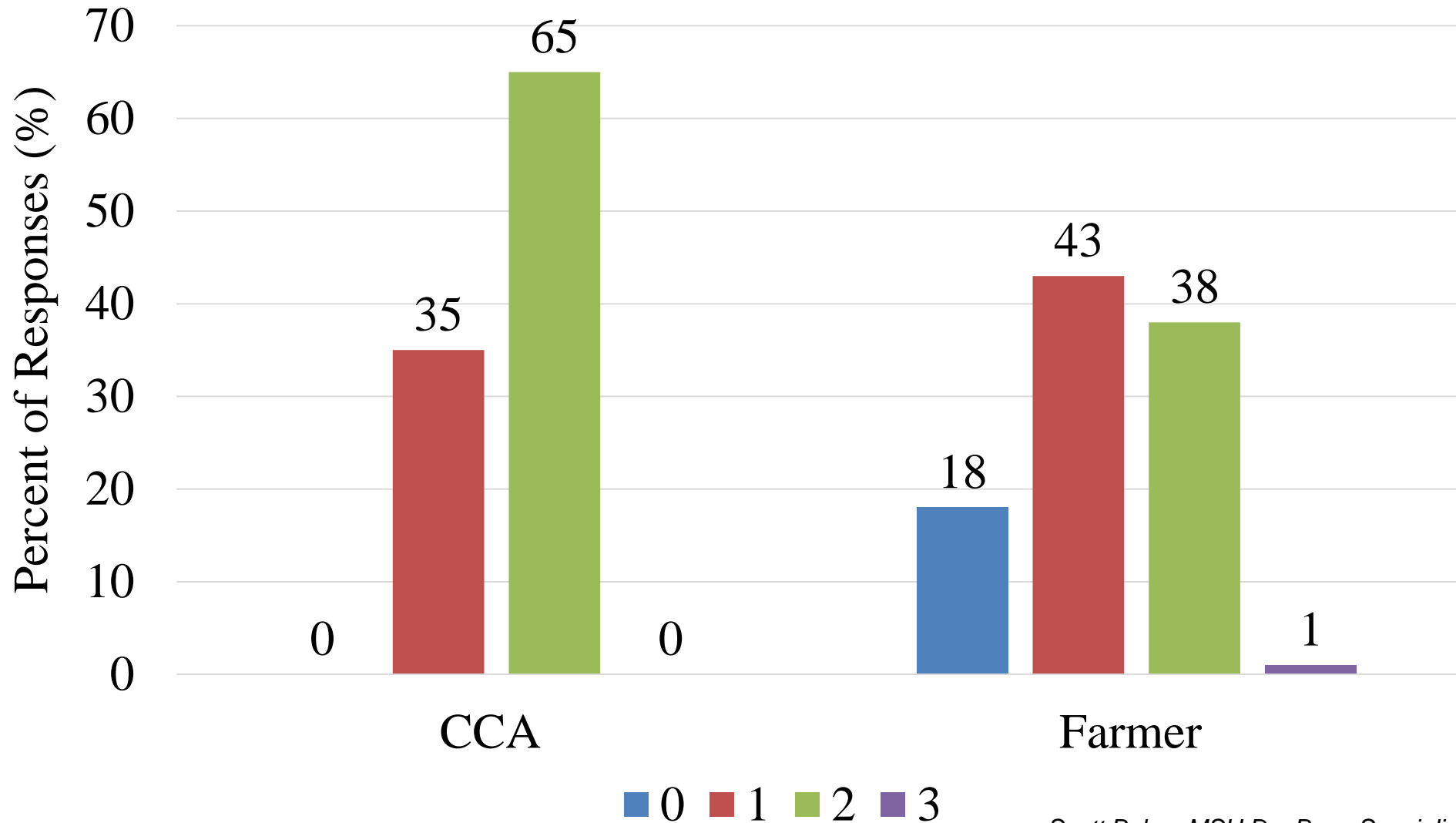
# What Herbicide Resistance Has Been Identified On Your Farm?



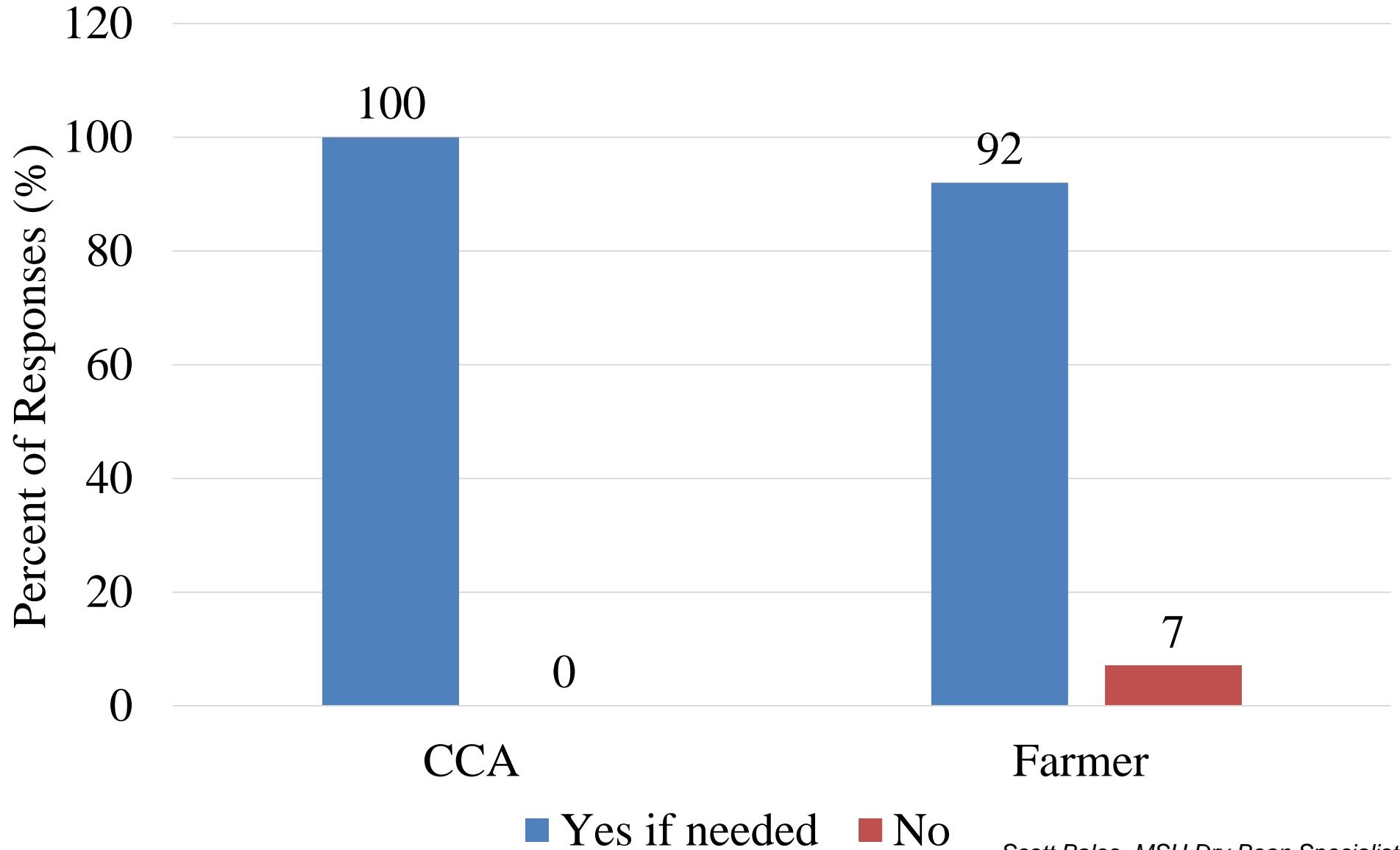
# White Mold Fungicides



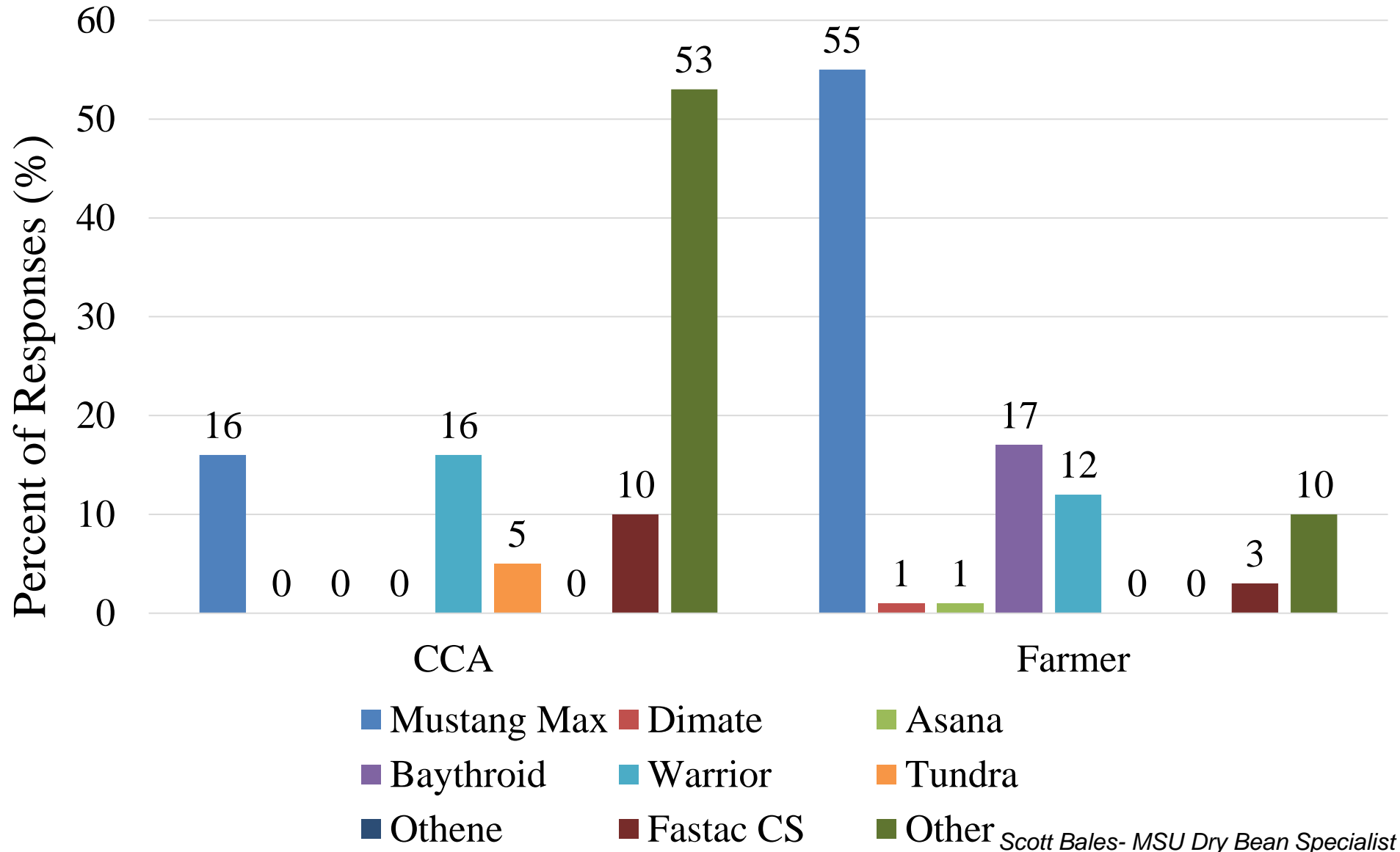
# How Many White Mold Applications Do You Plan For?



# Do You Use Foliar Insecticides?

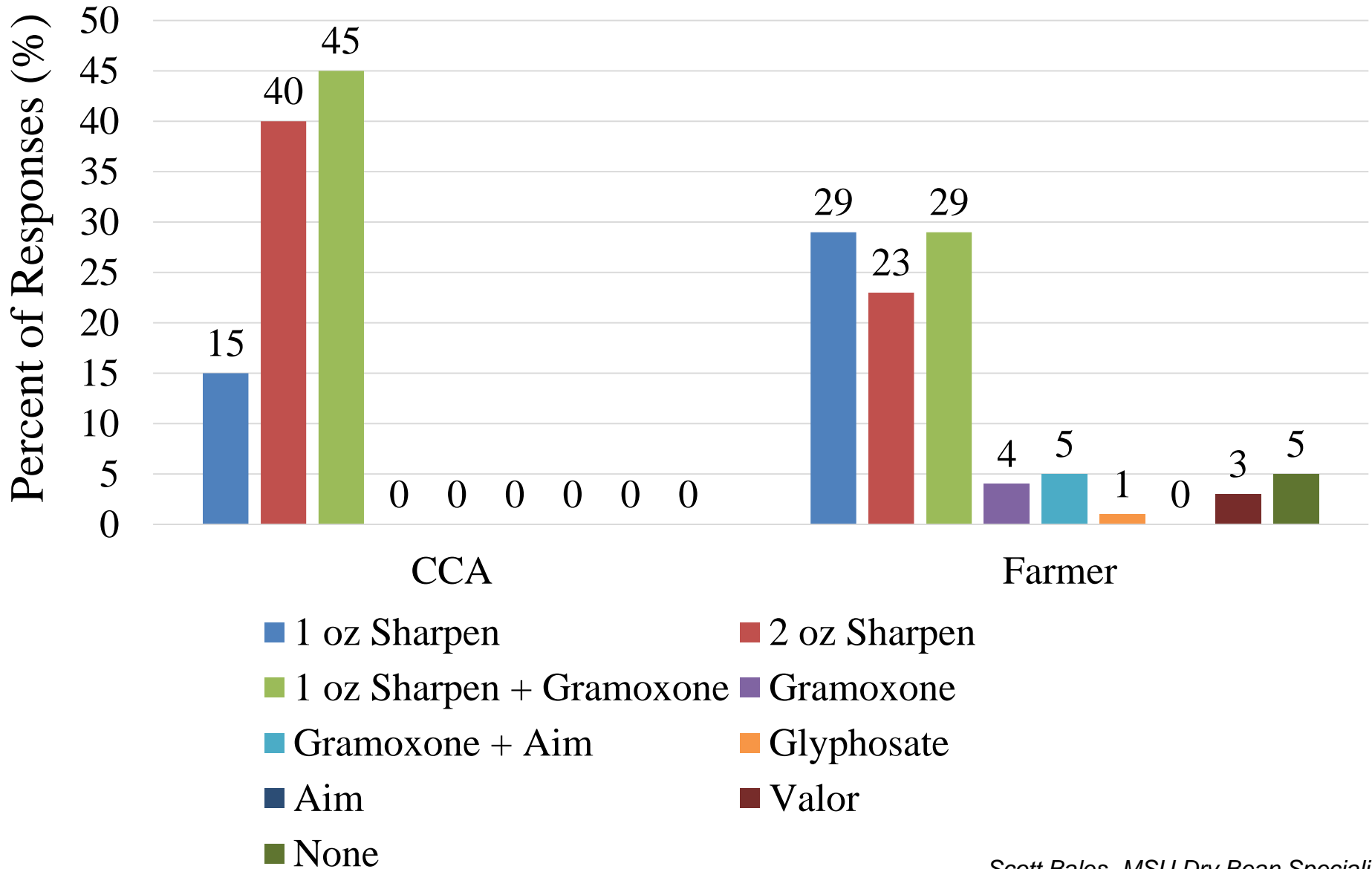


# What Is Your Preferred Foliar Insecticide?

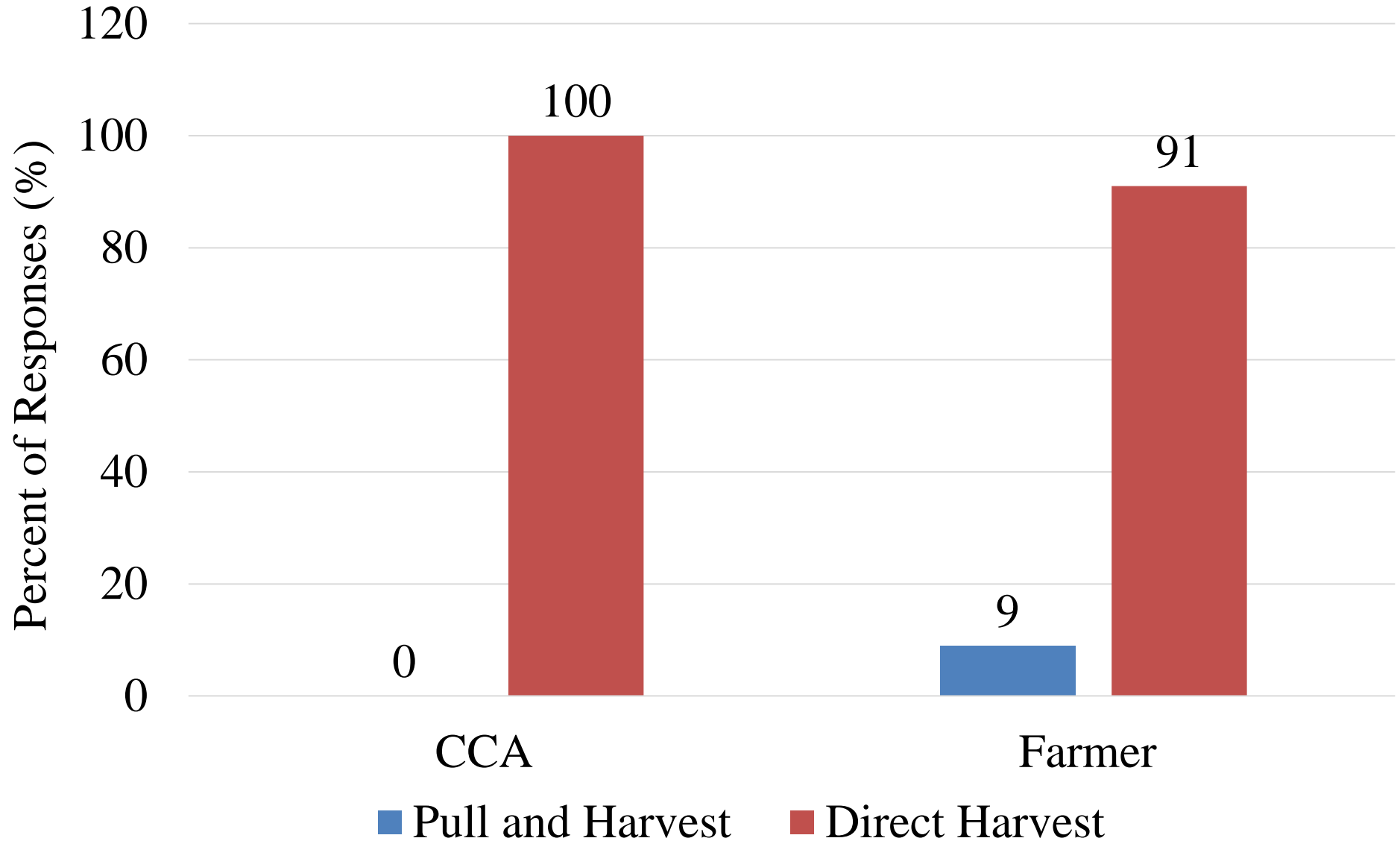




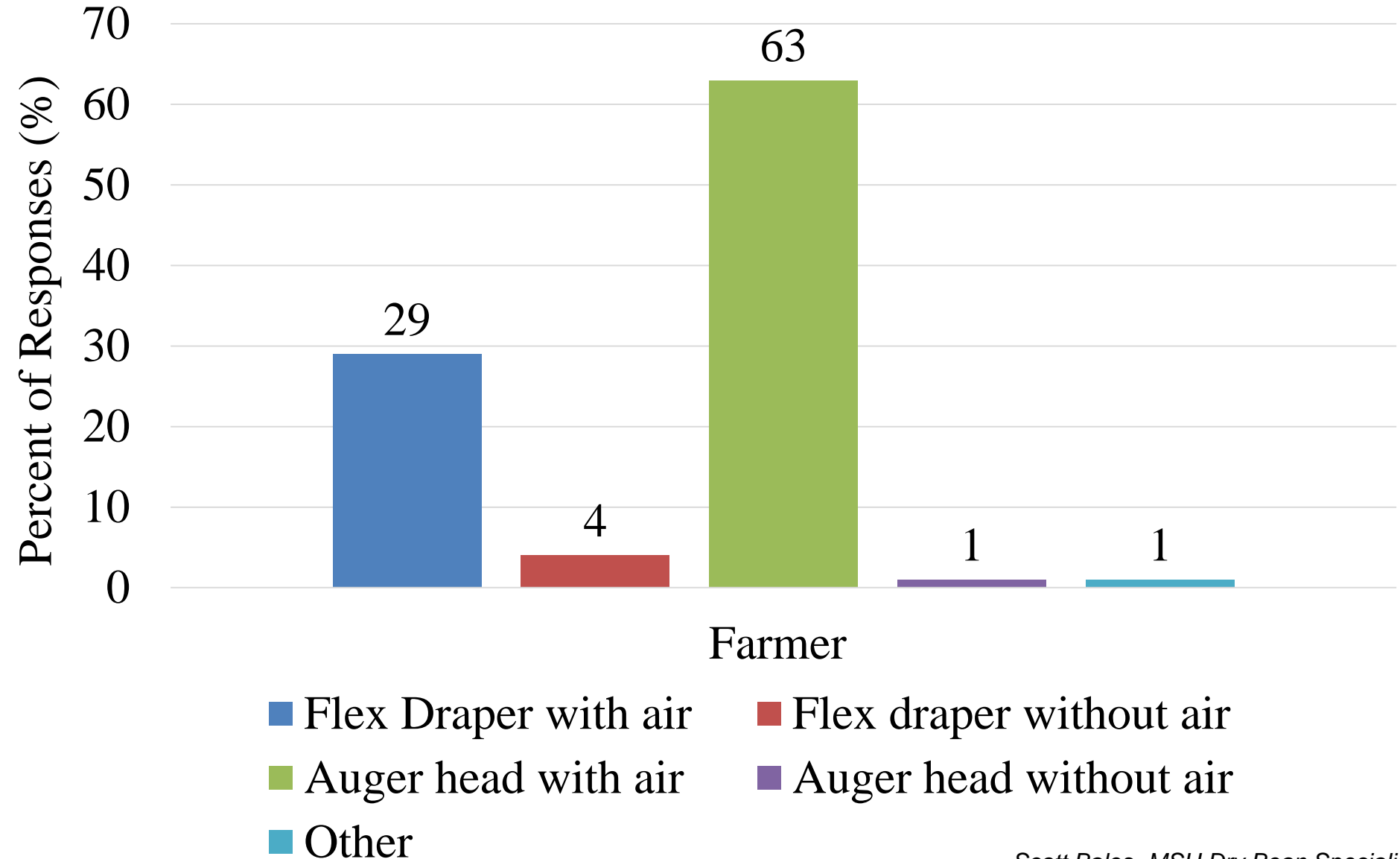
# What Is Your Preferred Harvest Aid?



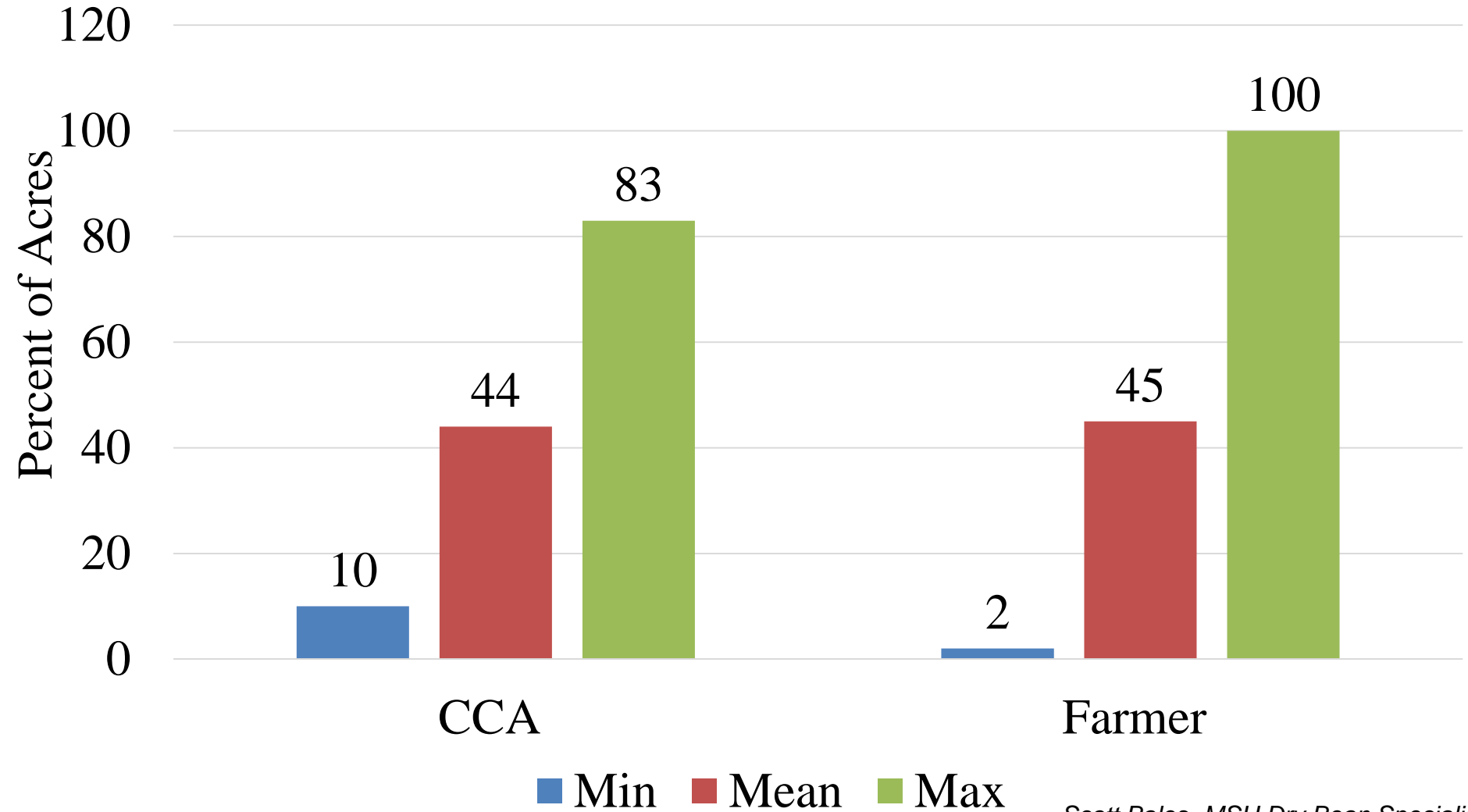
# Harvest Method On Your Farm?



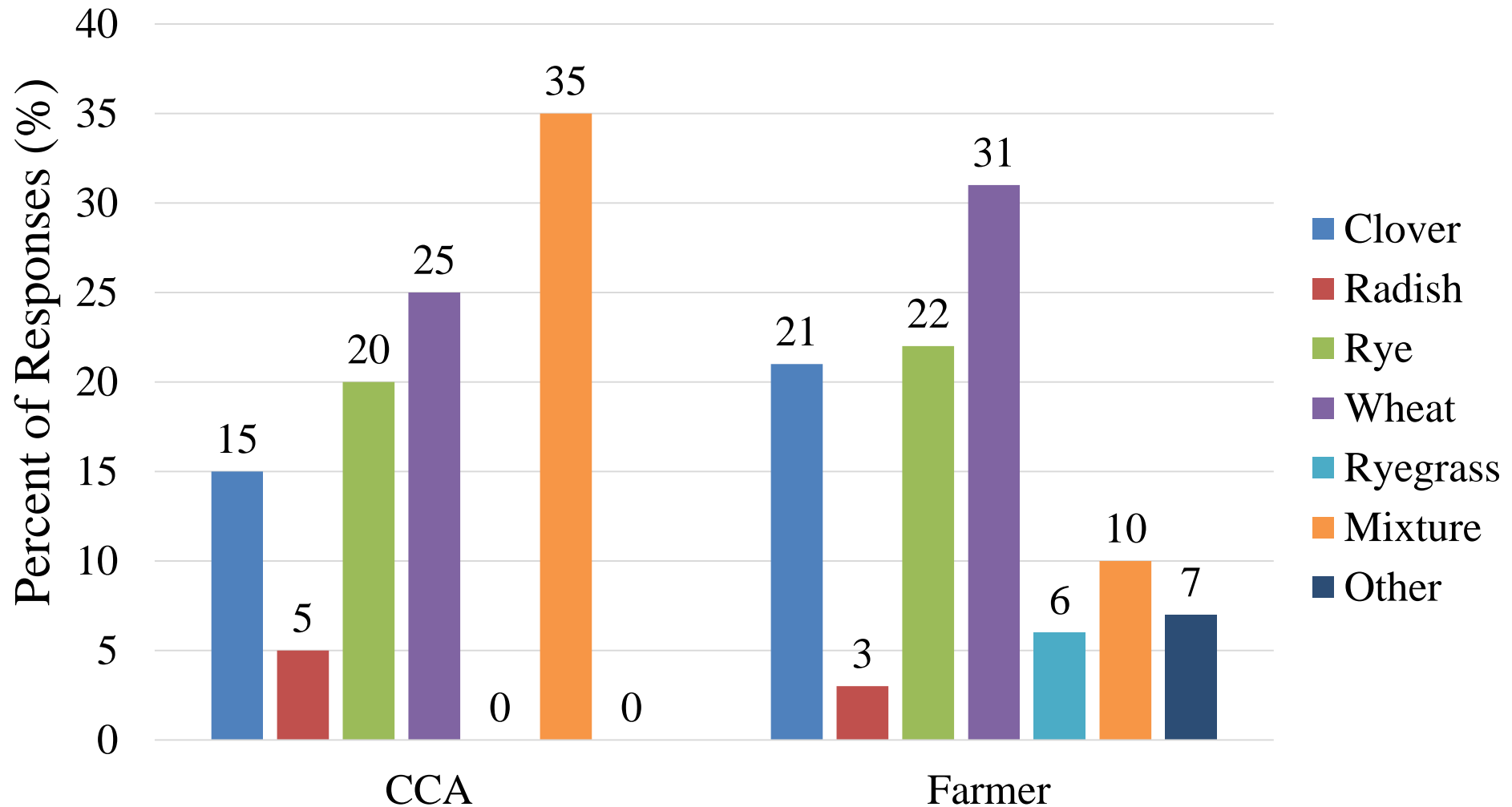
# Farmers, What Head is on Your Combine?



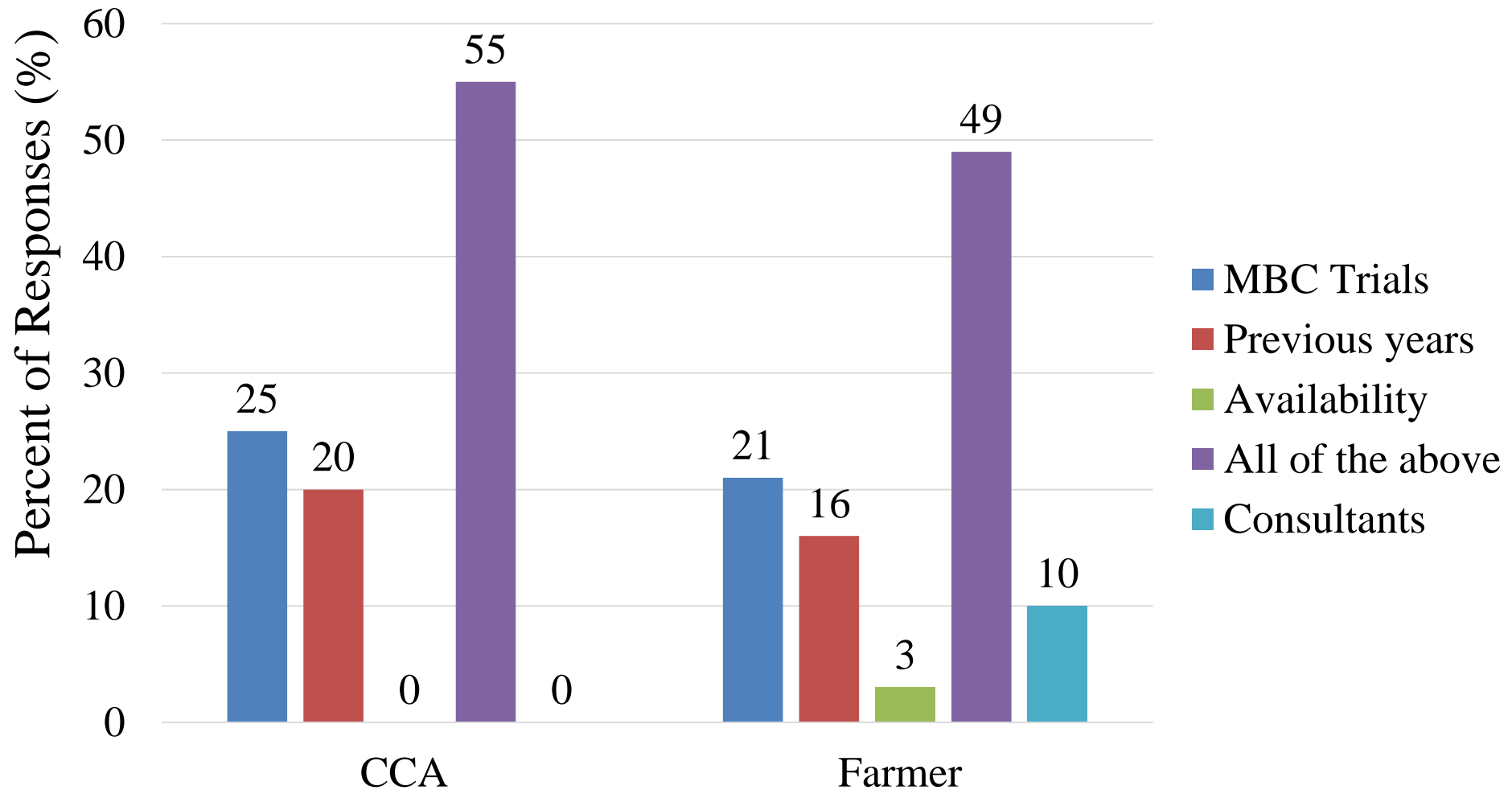
# What Percent of Your Farm is Planted To a Cover Crop Annually?



# When Using a Cover Crop What Is Your Preferred Species?

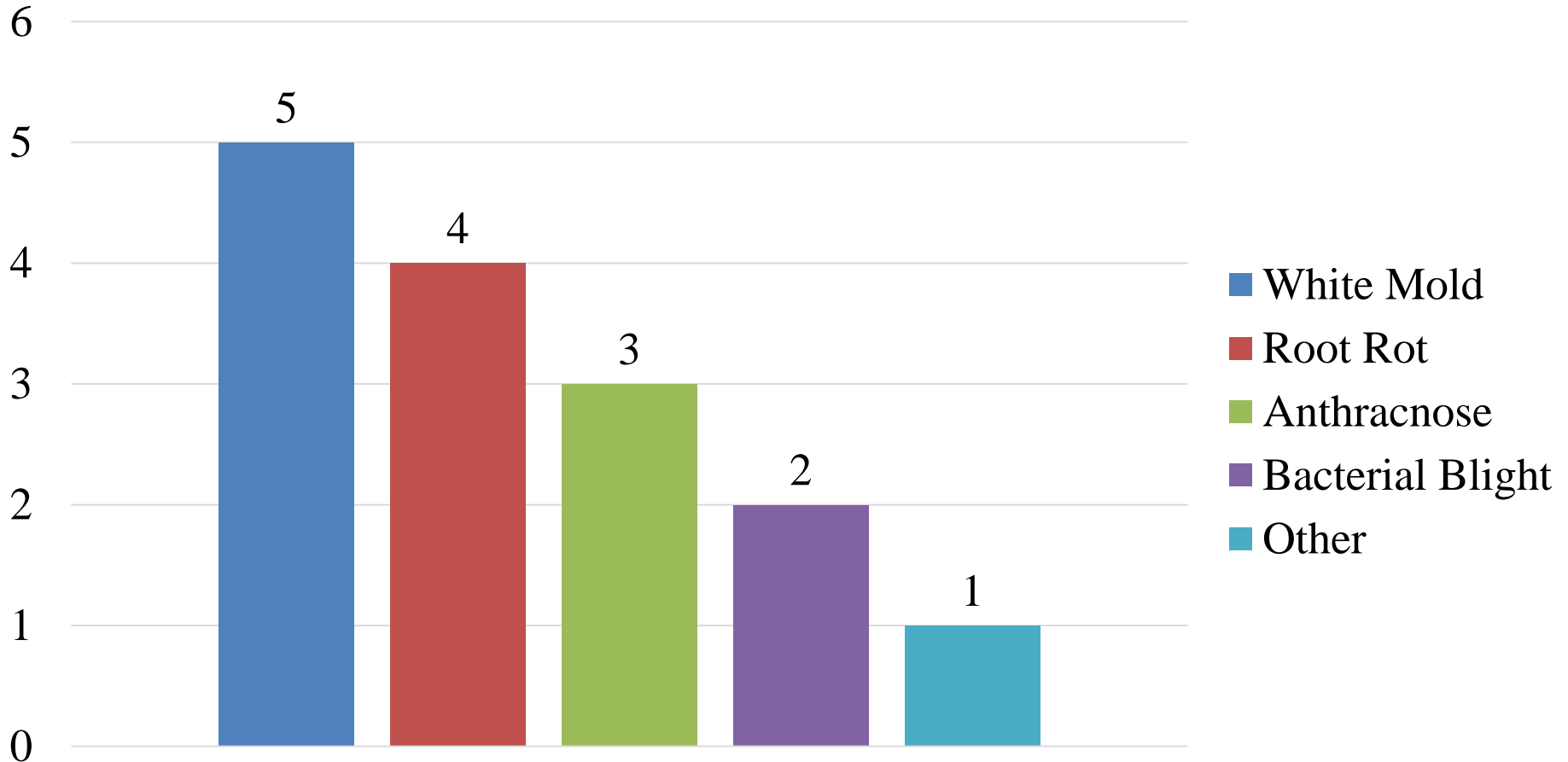


# How Do You Make Decisions On Varieties?



# What Disease Causes the Greatest Yield Loss on Your Farm?

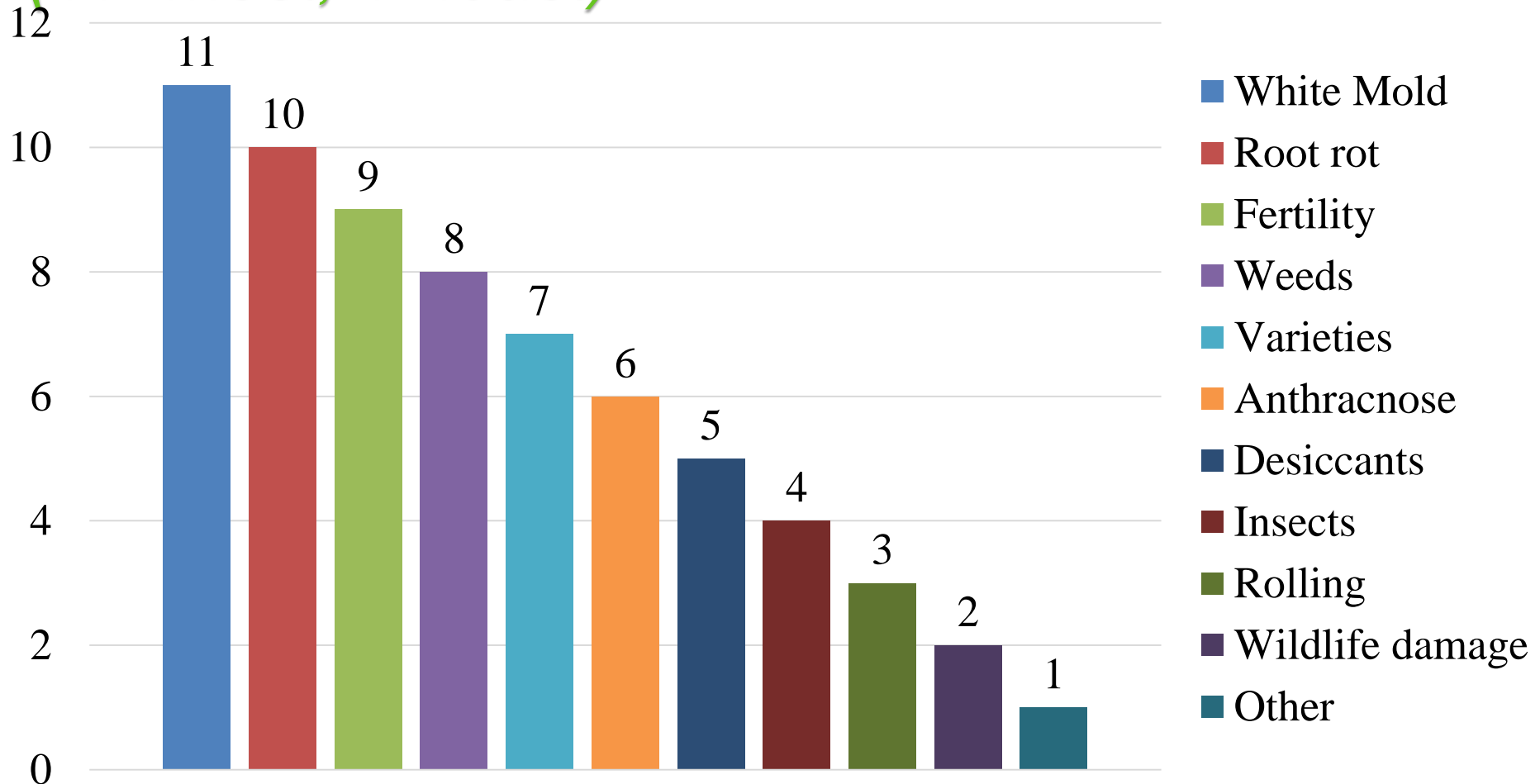
*(5- most yield loss, 1- least yield loss)*



Farmers and Crop Advisors

# What Challenges To Production Need The Most Research?

*(11- most, 1- least)*

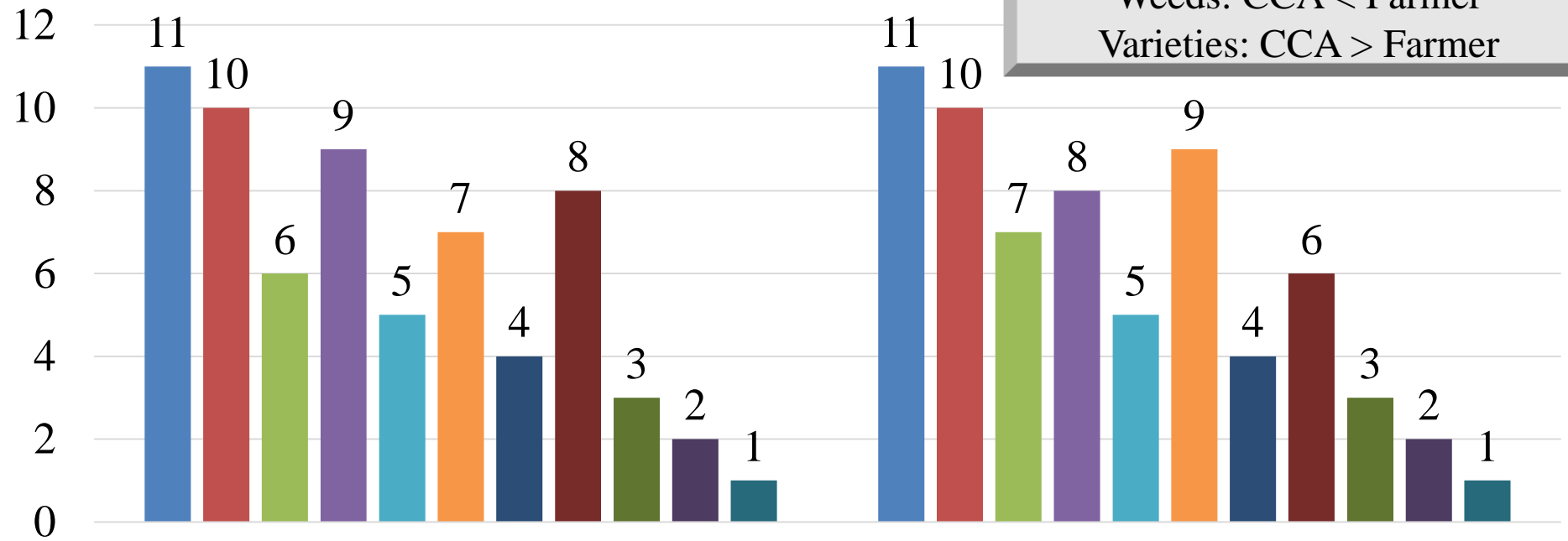




# What Challenges To Production Need The Most Research?

(11- most, 1- least)

Differences  
 Anthracnose: CCA < Farmer  
 Fertility: CCA > Farmer  
 Weeds: CCA < Farmer  
 Varieties: CCA > Farmer



CCA

Farmer

- White Mold
- Root Rot
- Anthracnose
- Fertility
- Desiccants
- Weeds
- Insects
- Varieties
- Rolling
- Wildlife damage
- Other

# Questions?

- Improvements for next year
  - Long form vs. Short form
  - Confidential Long form result
  - Organic participation
- Questions to add for next year?