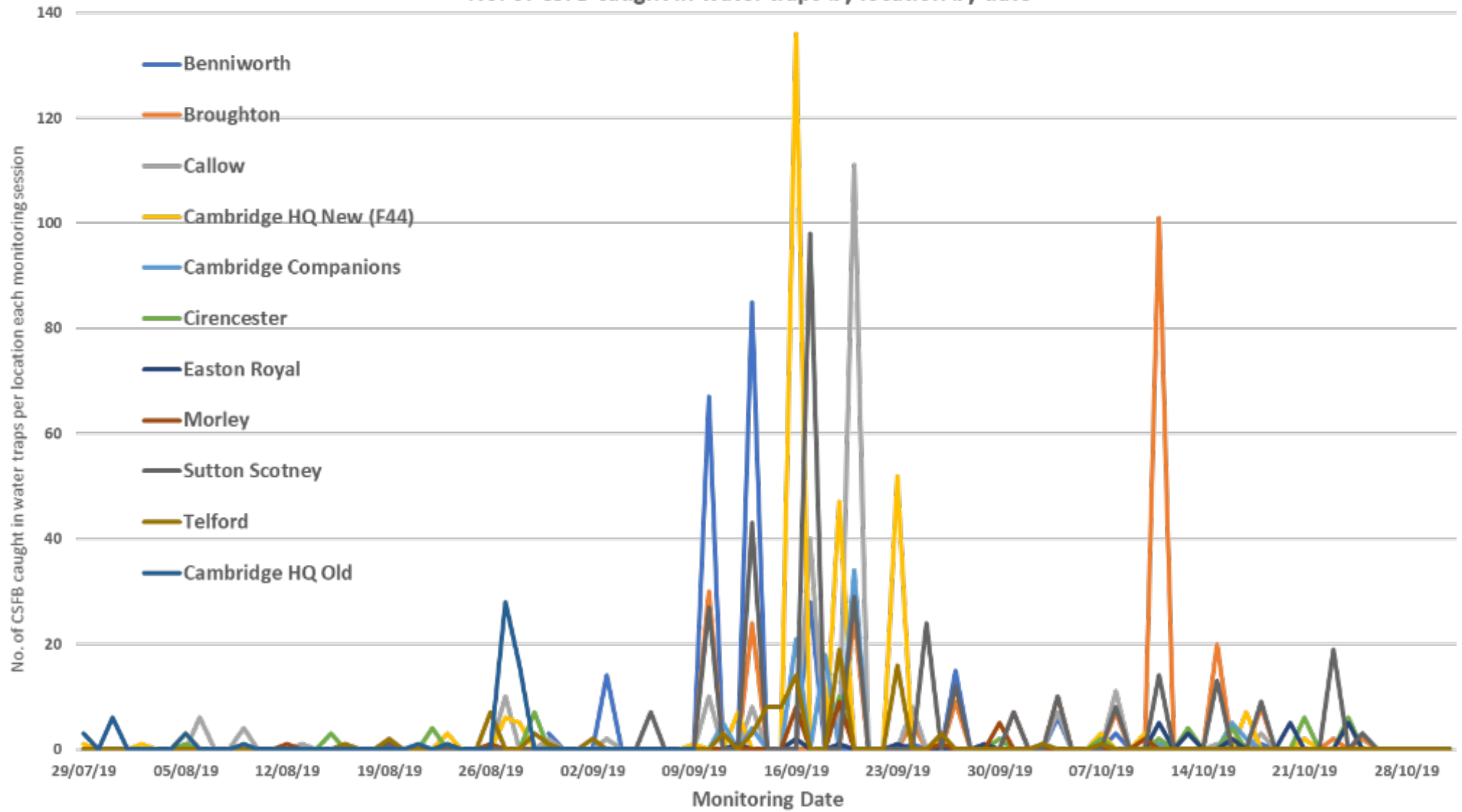




OREGIN

Colin Peters

No. of CSFB caught in water traps by location by date



# Digital Apps

**Adults visible at Harvest 2022**

Name

First Name Last Name

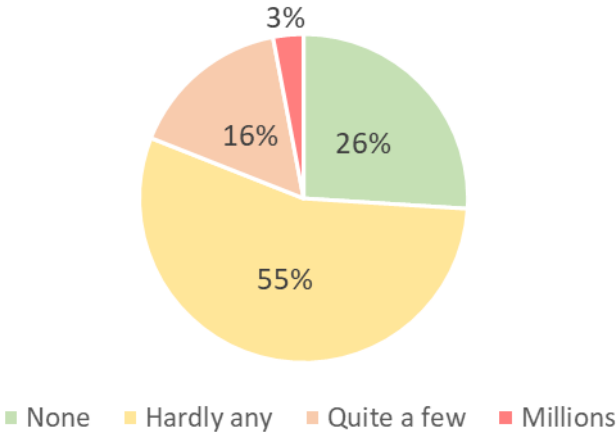
What Three Words or Post Code

What can you see in grain trailers or stores

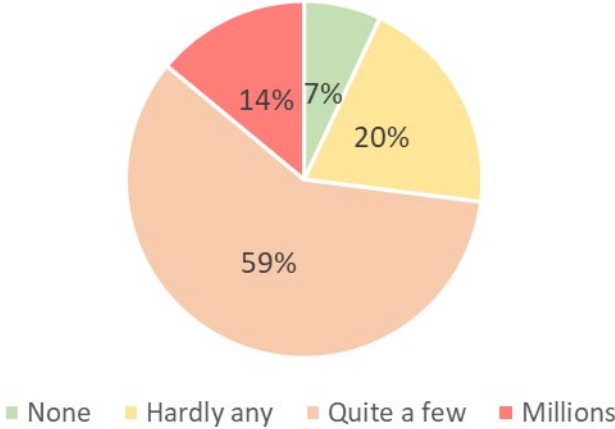
Please Select

# Adults seen at harvest

2022

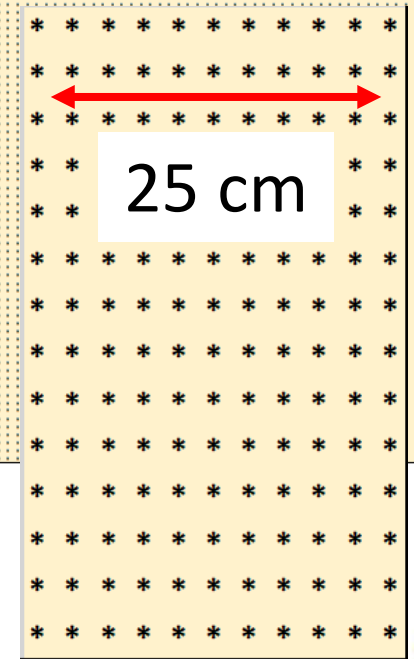


2023

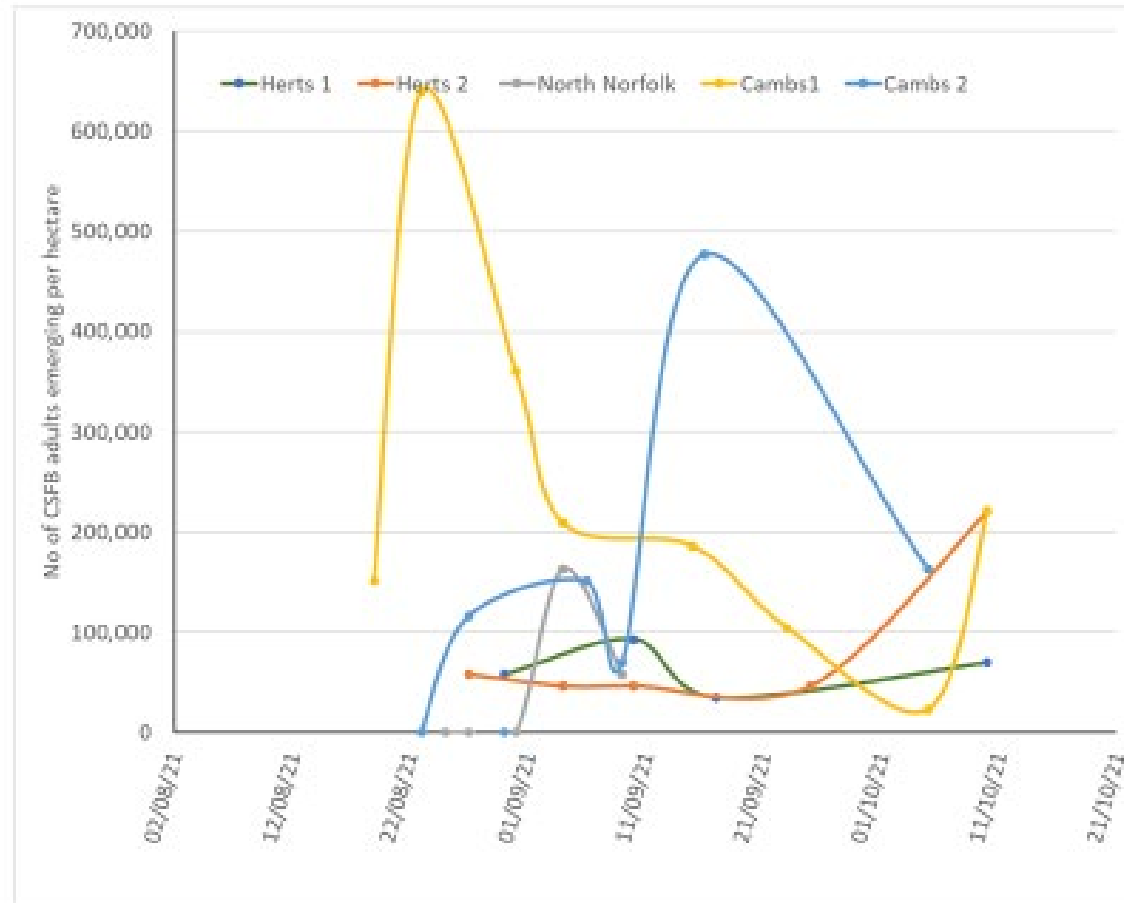


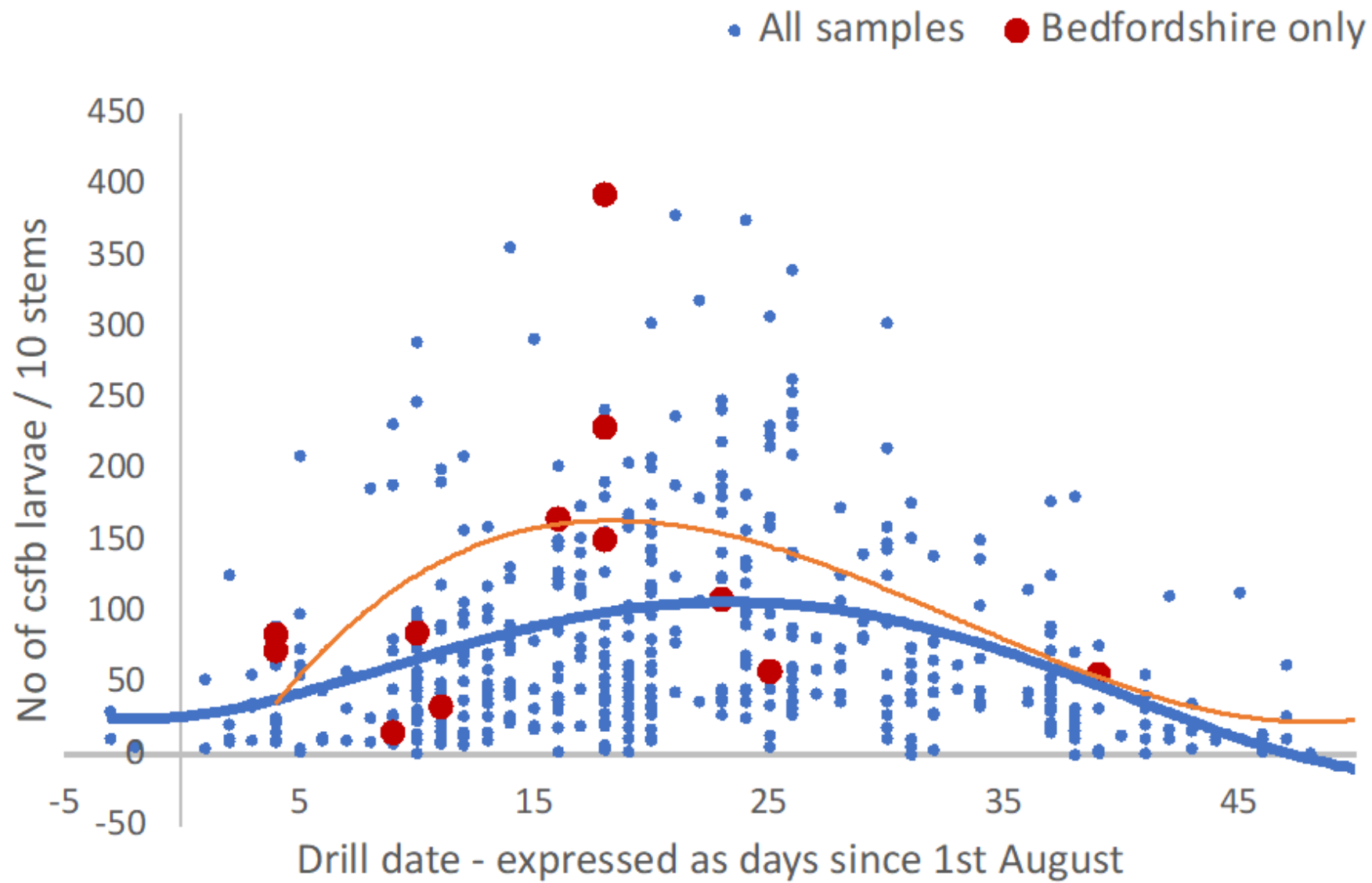
# Adults in trailer 2.5m X 6.00m (18 tonne)

24,000 csfb



# Emergence trap figures autumn 2021



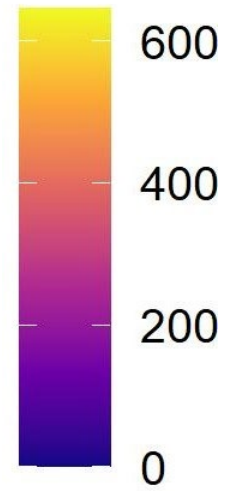
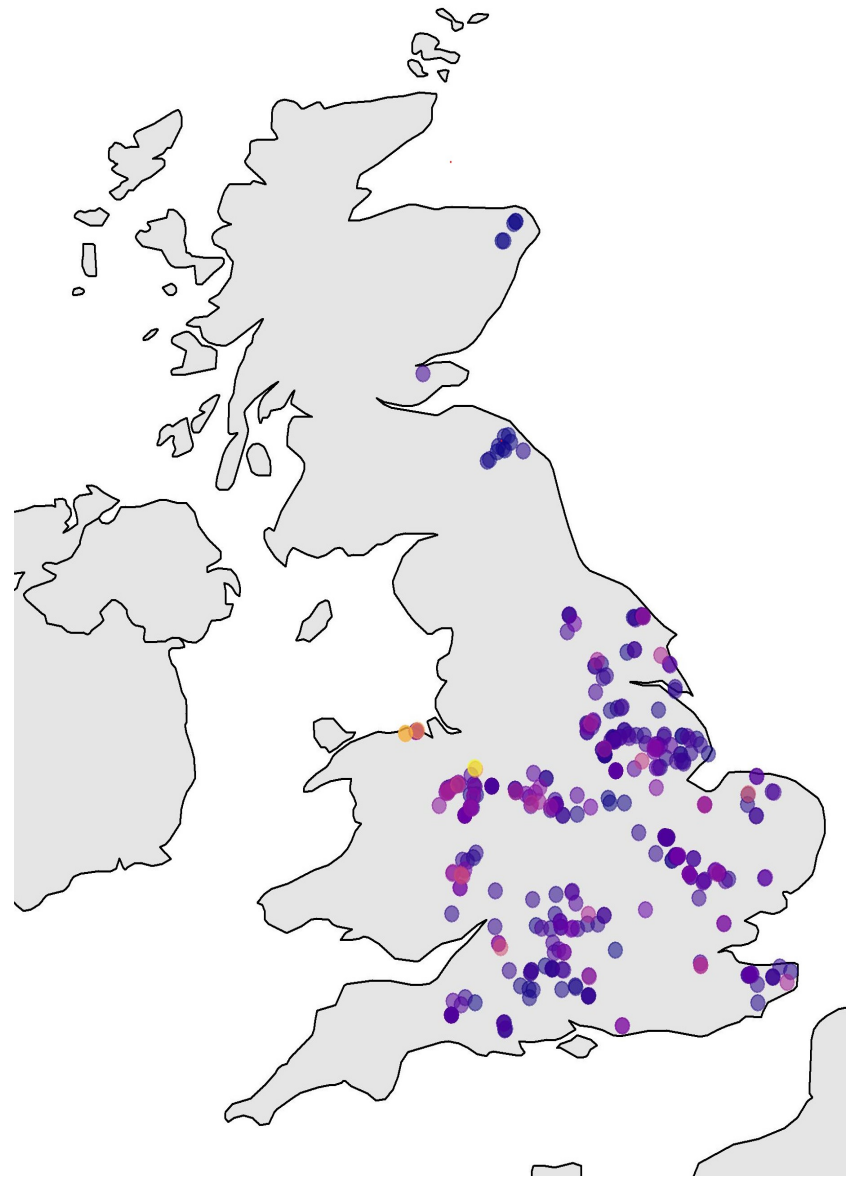




# Field Selection, early spring larvae from 10 plants!







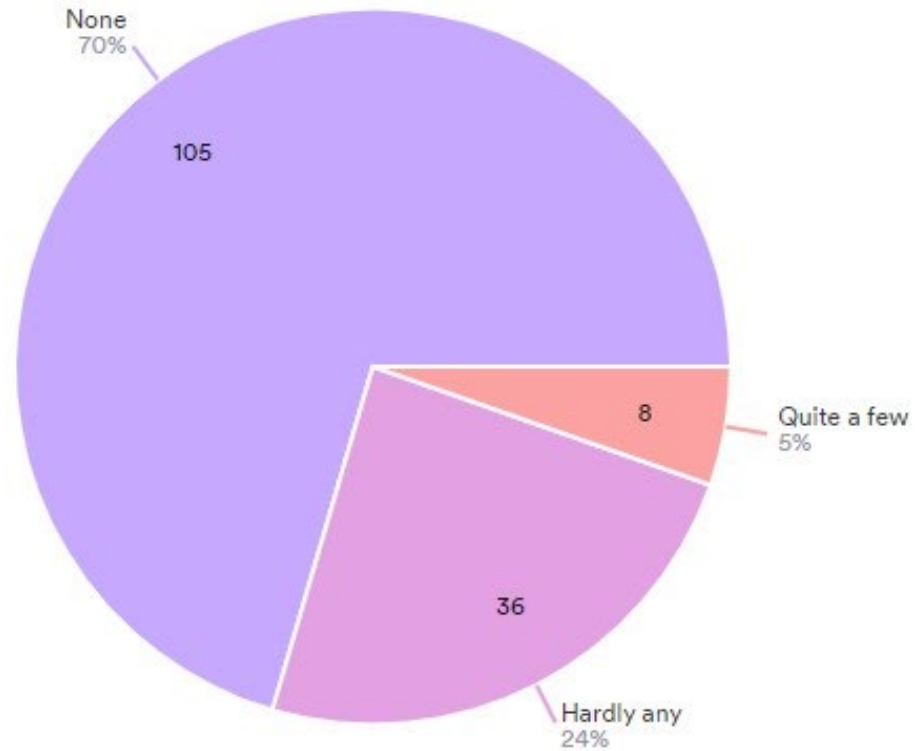
# Shiny New Stainless Steel Emergence Traps



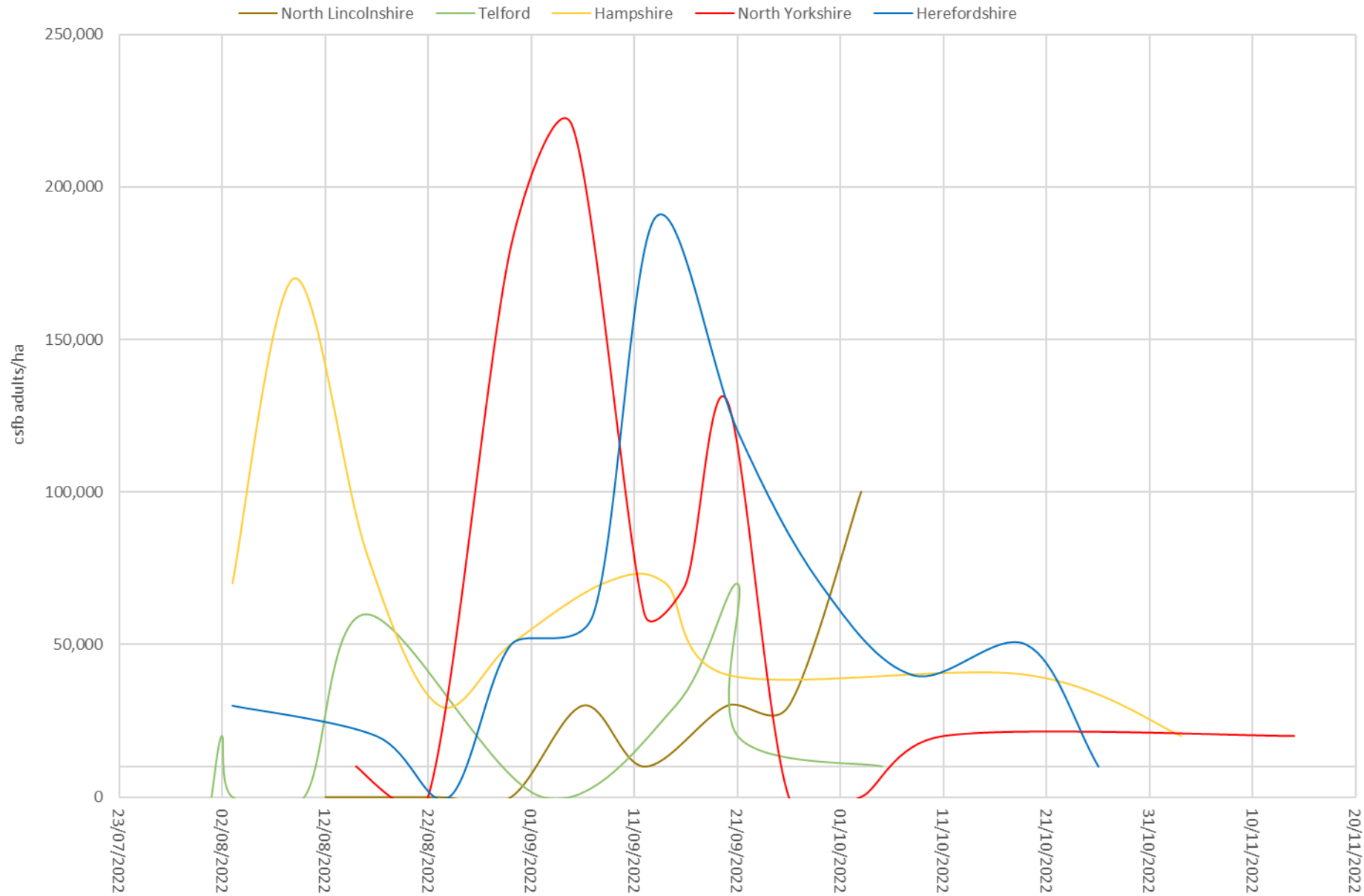


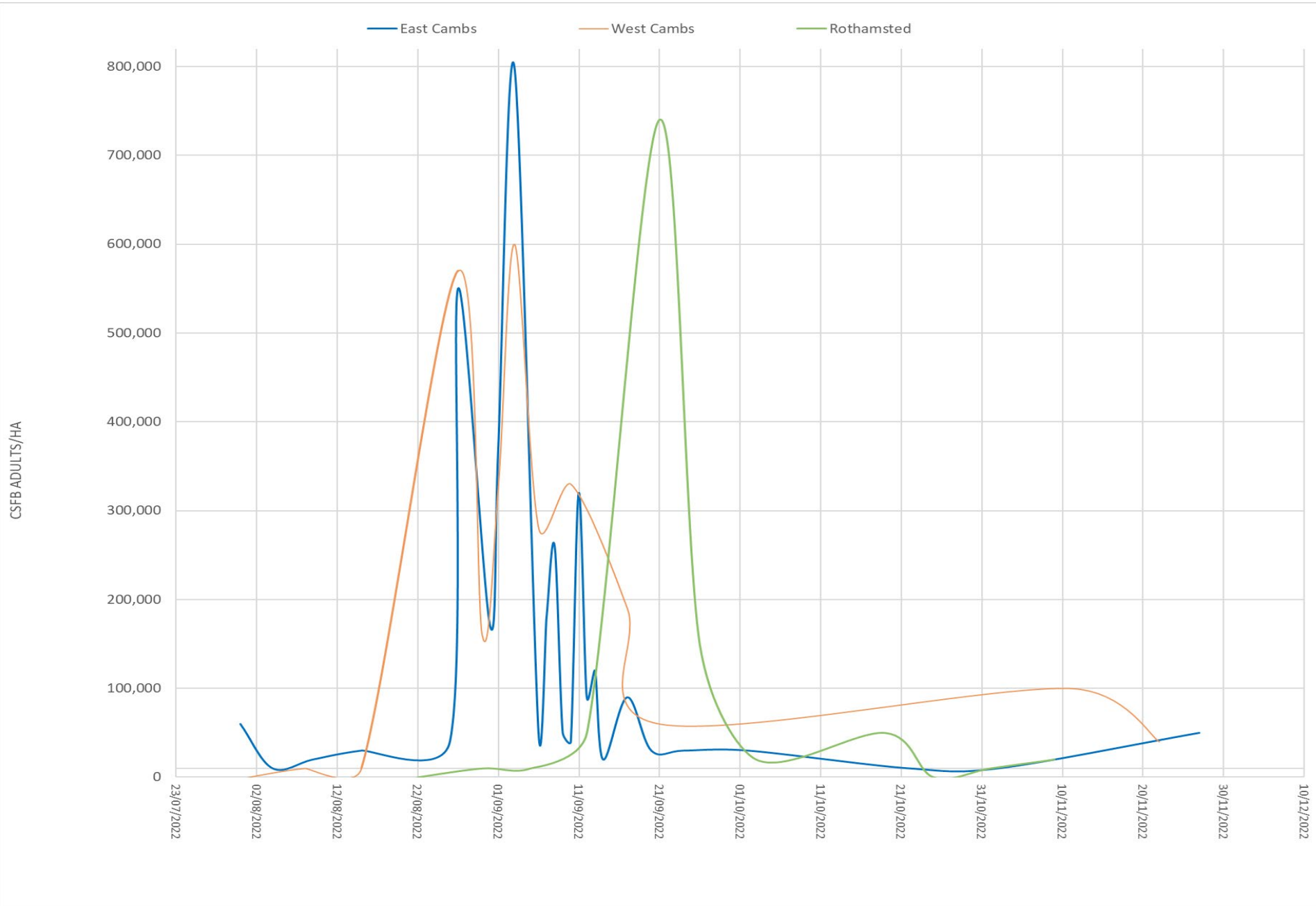


# Yellow Water Traps in Oilseed Rape Volunteers







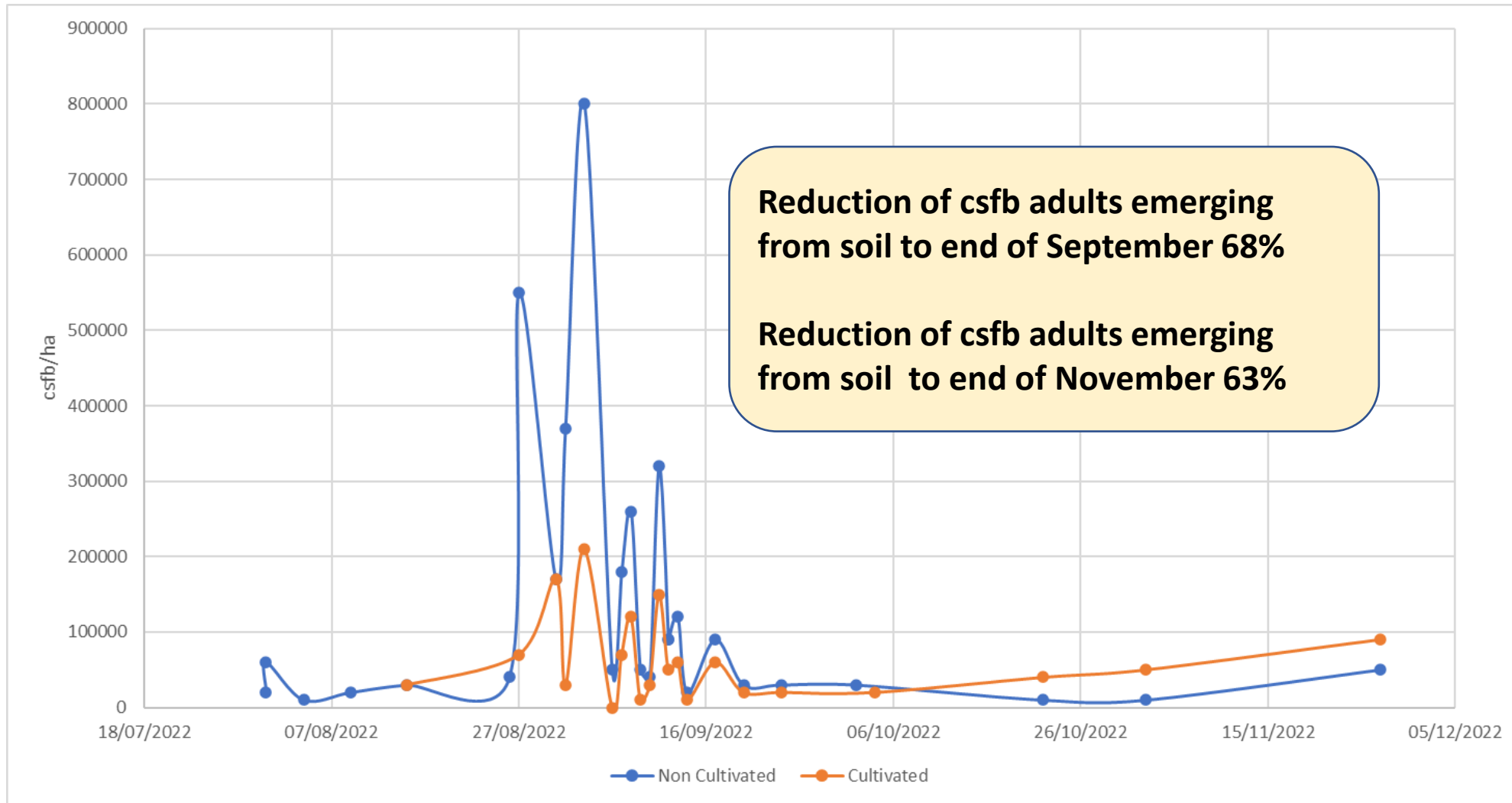




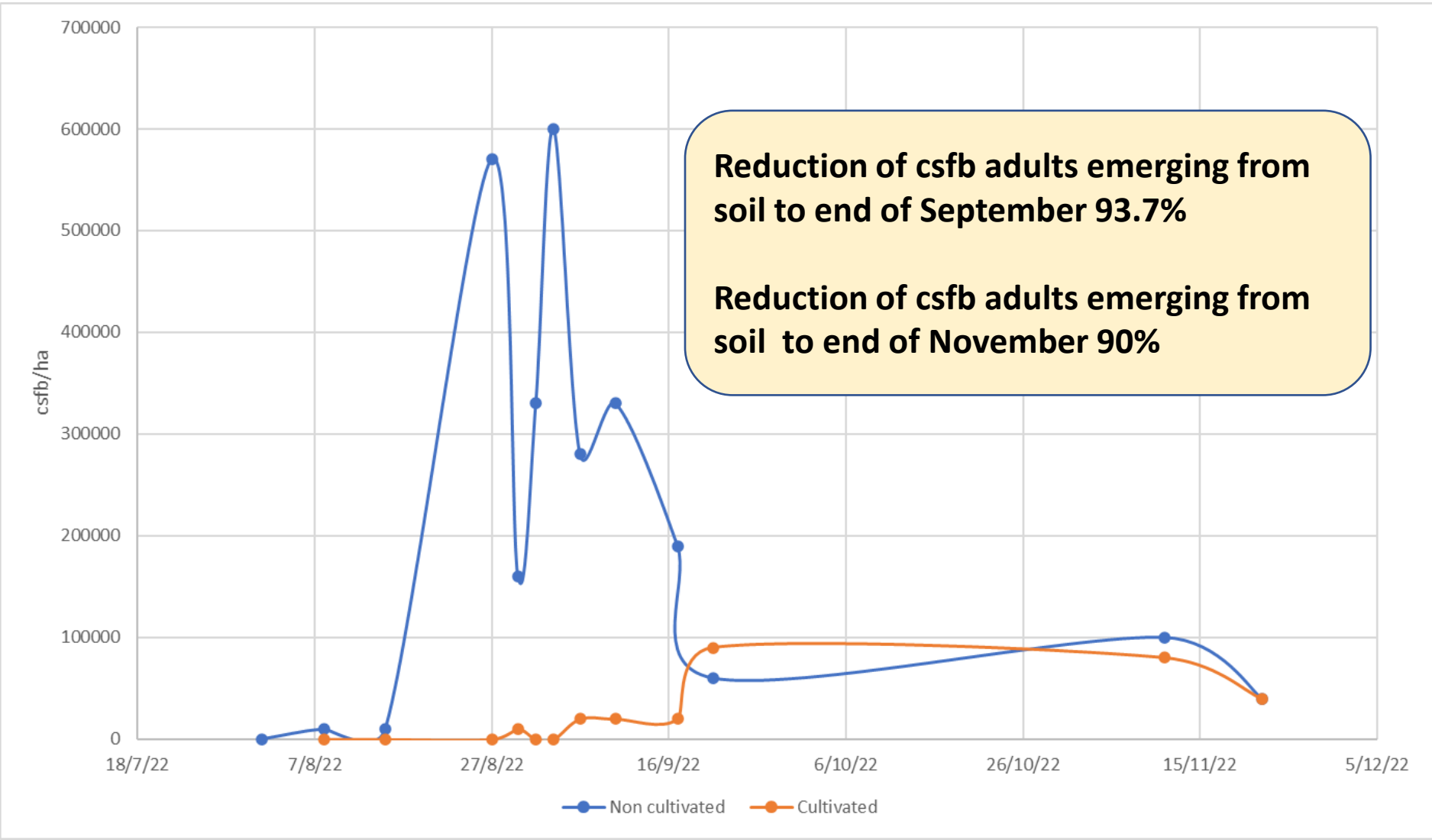
csfb adults/ha



# South Cambridgeshire (Shallow Cultivation)



# South Cambridgeshire (Cultivation 300mm)

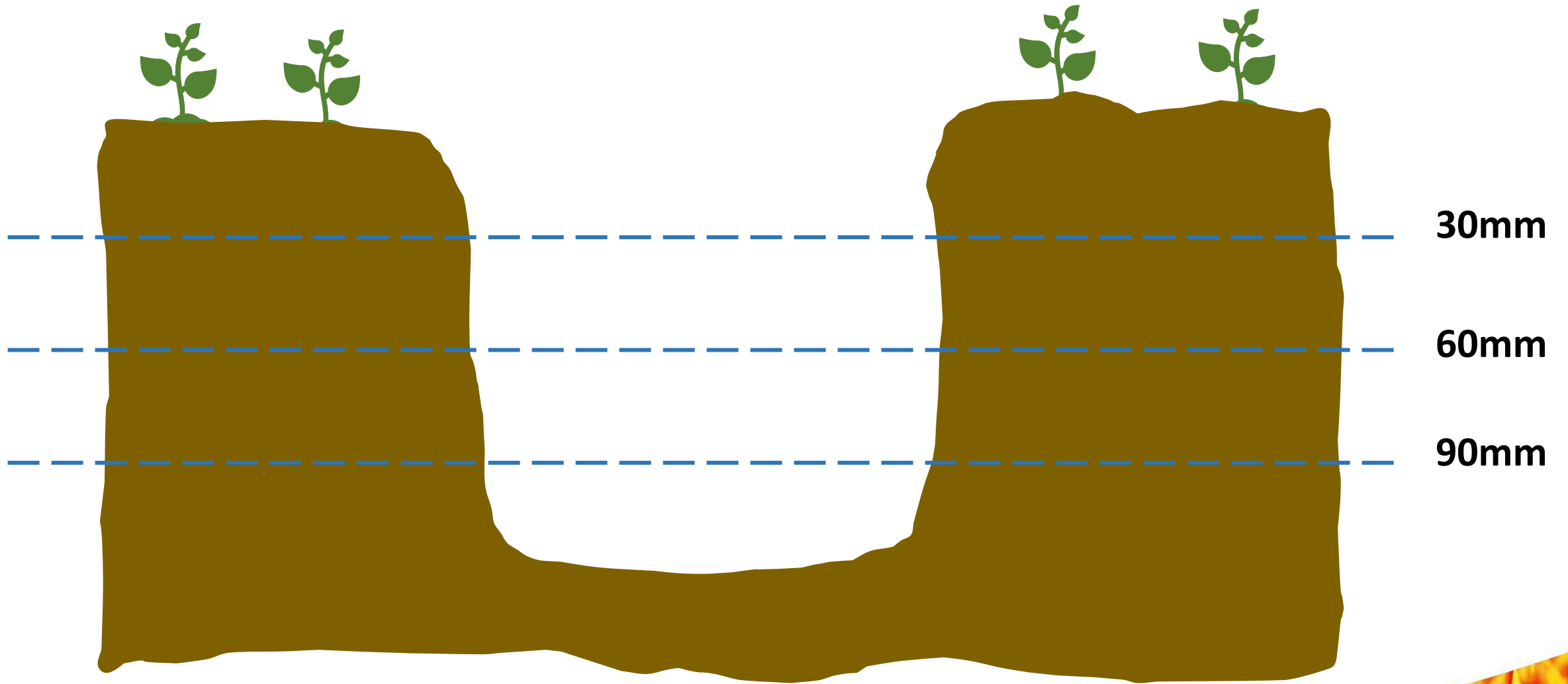




**NIAB**

world-class experience,  
skills and resources

# Soil samples



30mm

60mm

90mm

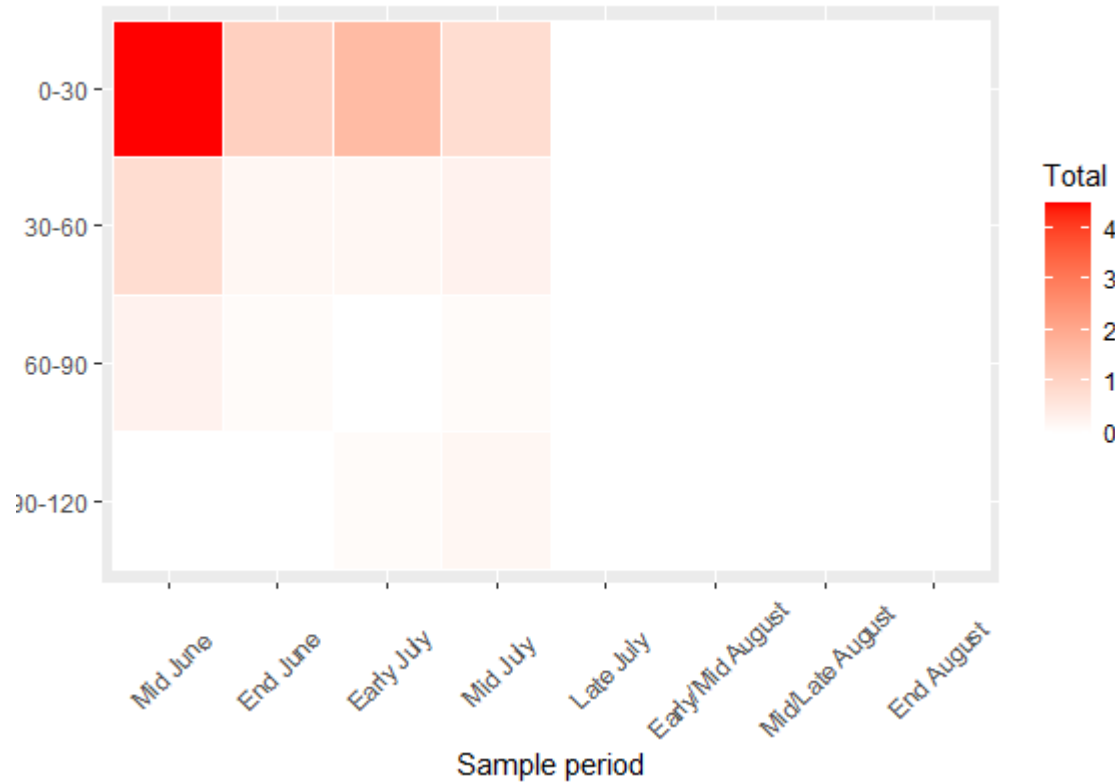
**NIAB**

world-class experience,  
skills and resources

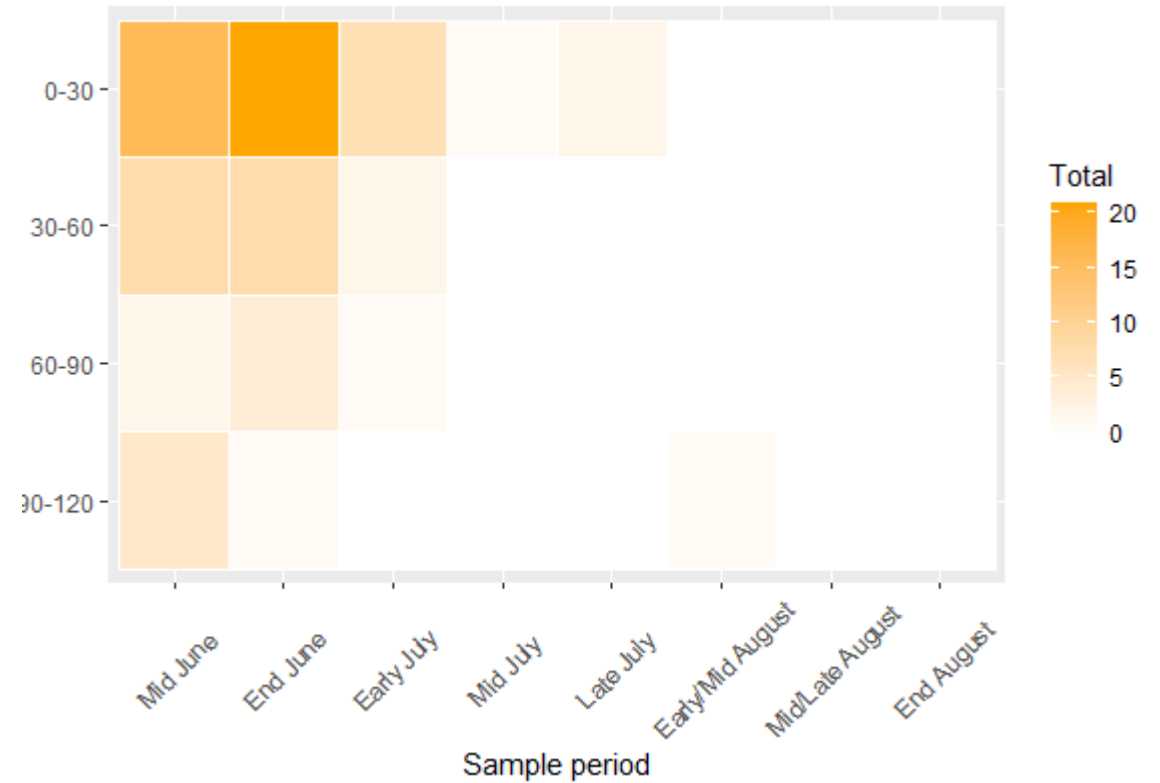
# Most adults present in top 30mm of soil

Significant preference between layers:  $p < 0.0001$

## Hertfordshire



## Shropshire

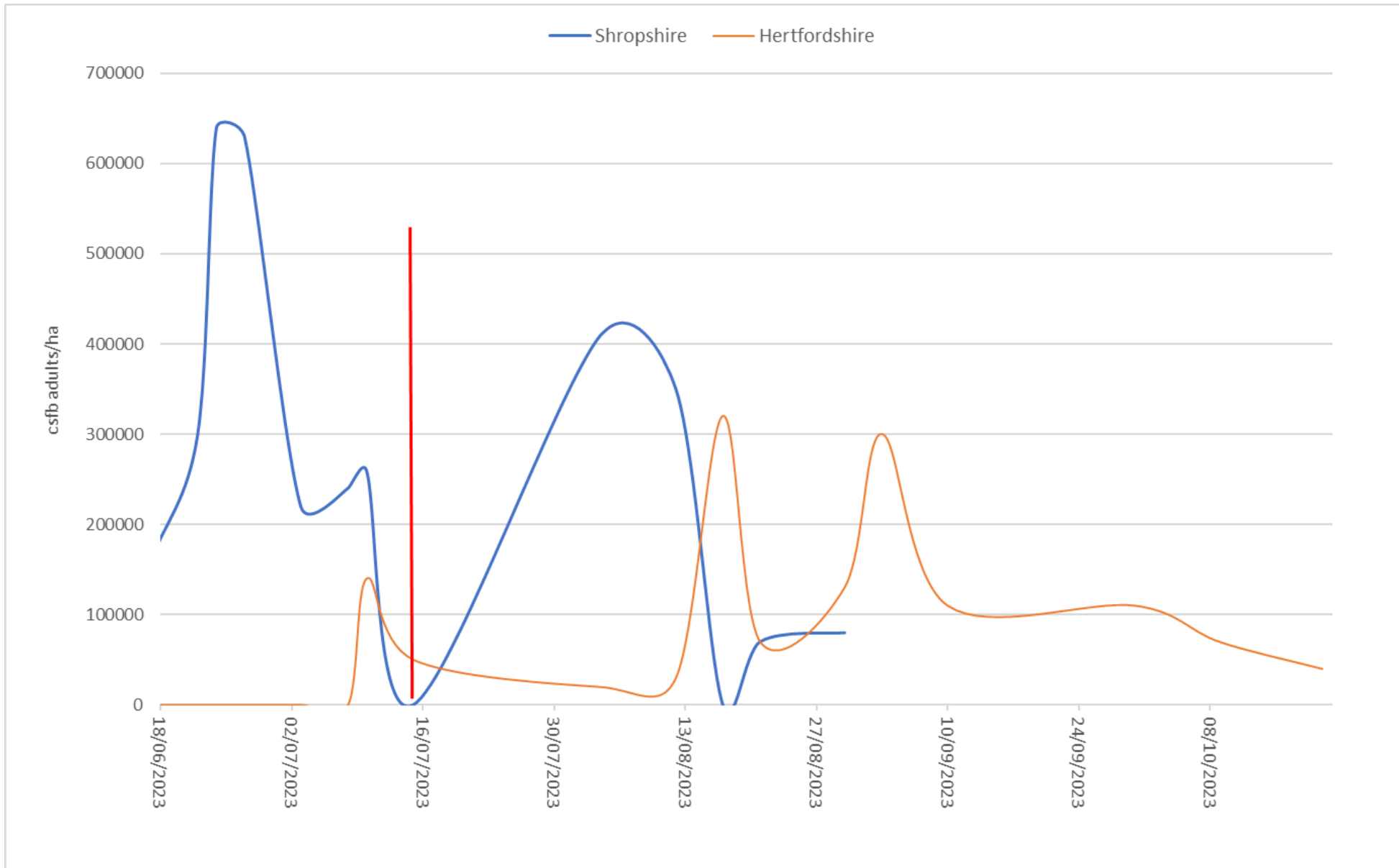


Essentially nothing after early August



# Pre harvest csfb adults







# Terrastar





# Straw Rake

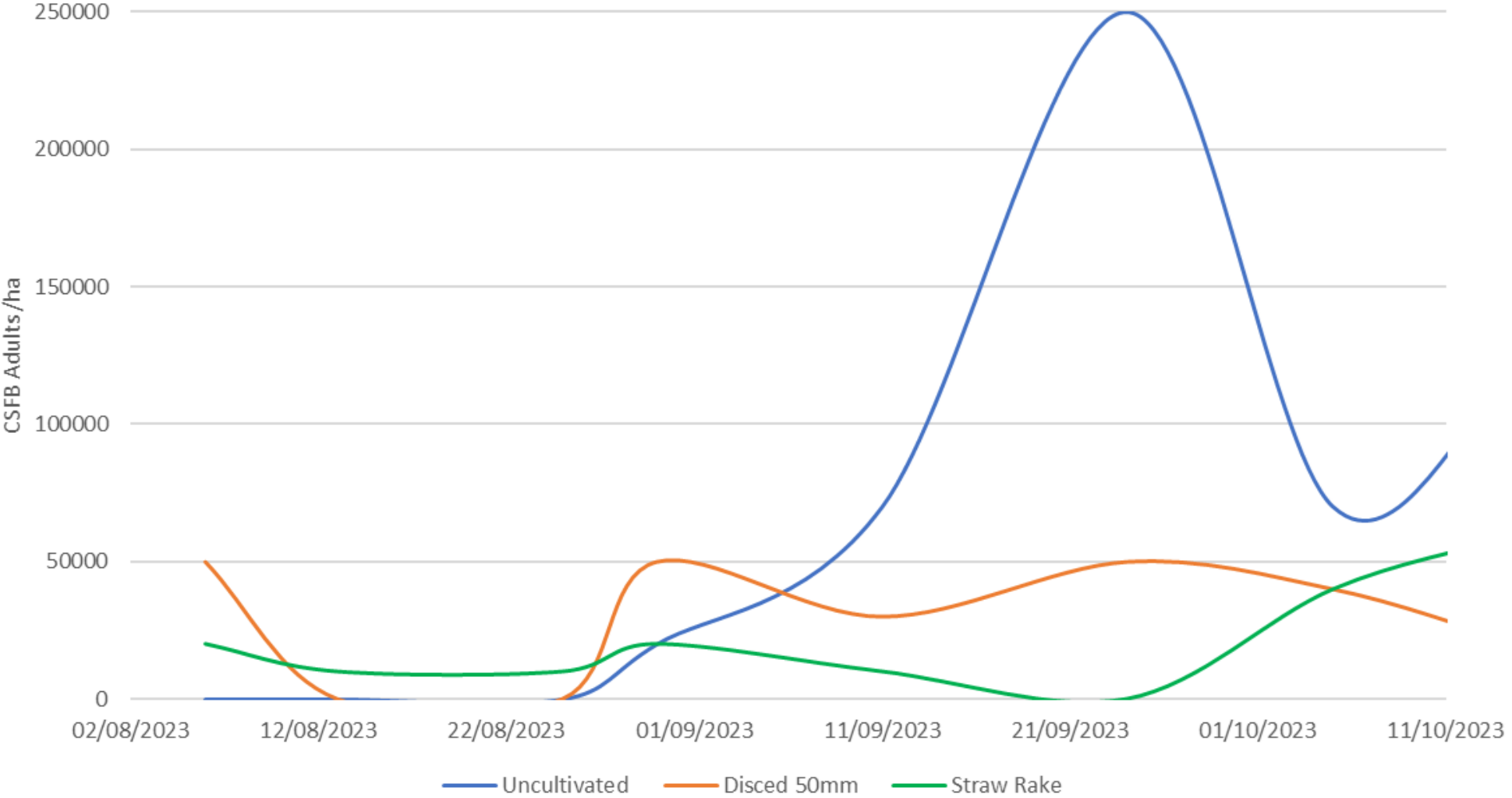




# Standard Discs

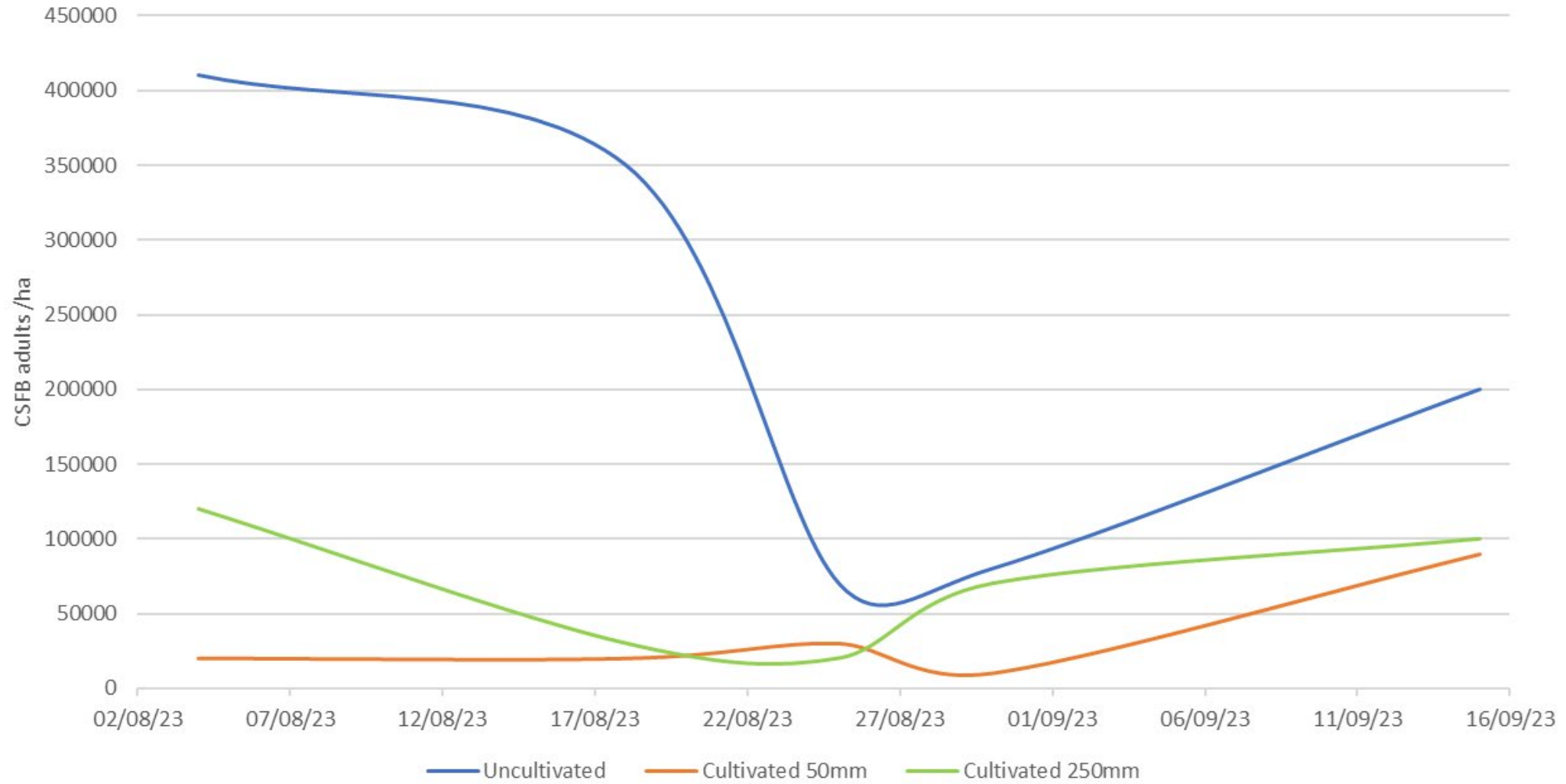


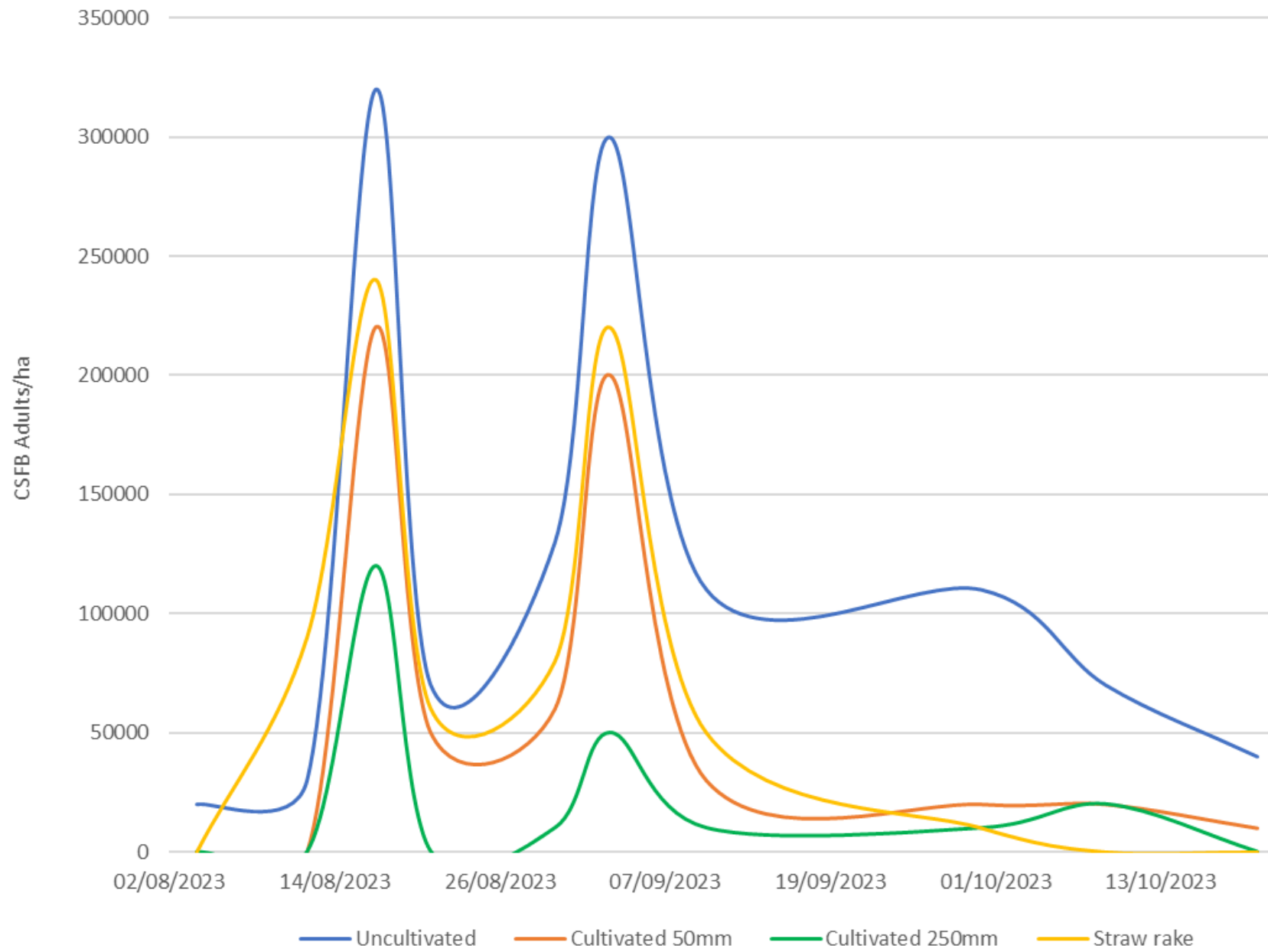
# Shropshire





# West Shropshire





# % reduction in adult numbers

Cultivation depth	Shallow (straw rake)	50mm	250mm
Essex	*	*	98
Shropshire	37.5	49	82
Hertfordshire	68	56	*
West Shropshire	*	85	69

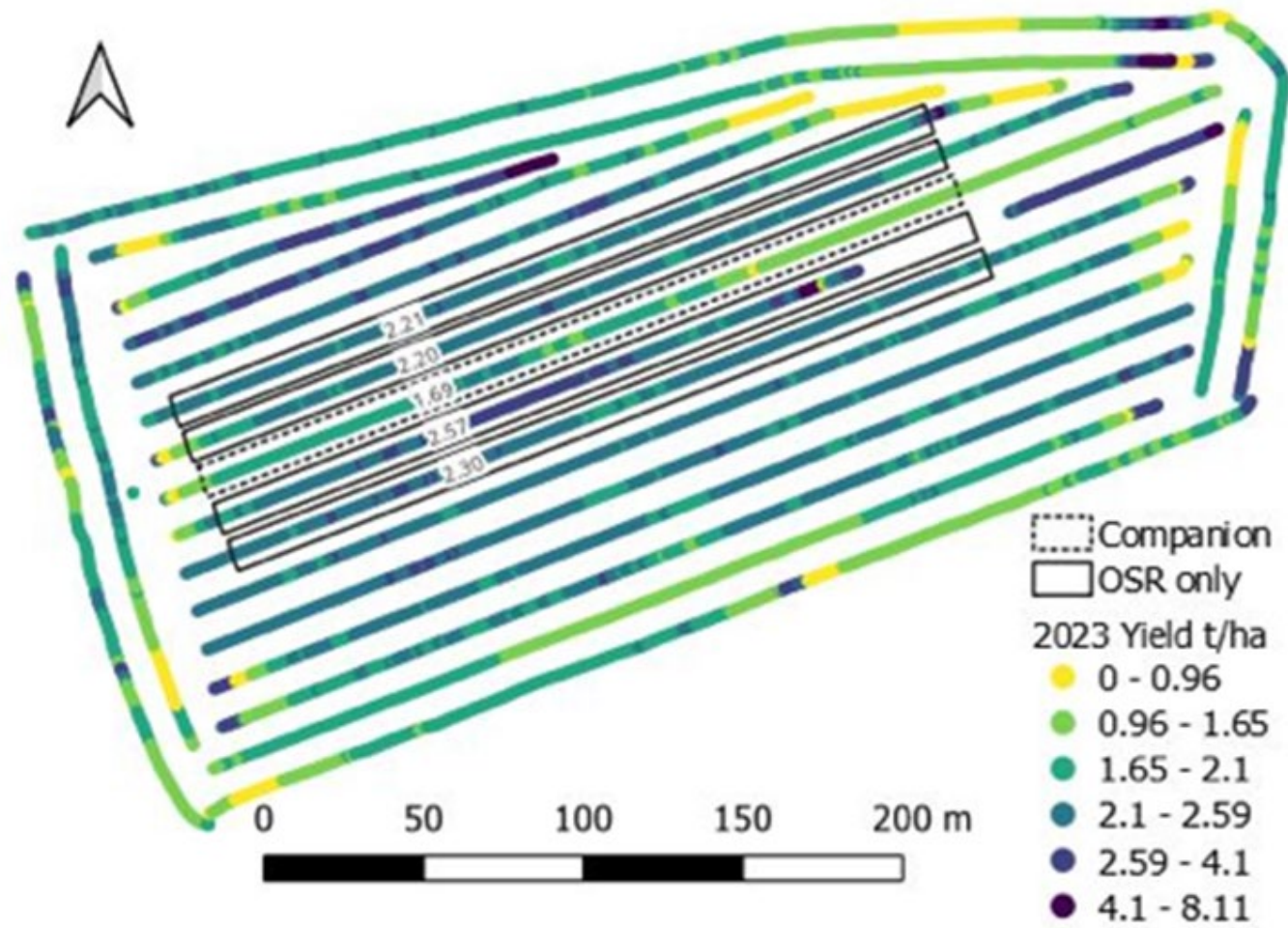




# A range of Companion Crops in Oilseed Rape 11/2022

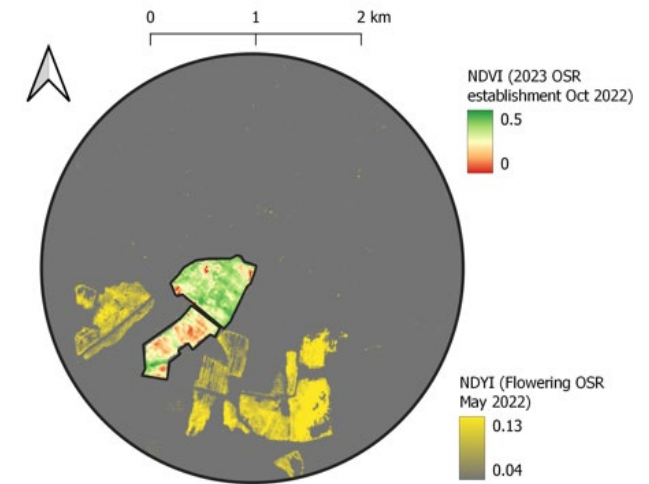






# Spatial cropping

- There is increasing anecdotal evidence that growing OSR away from the previous years crop will reduce damage at emergence.
- This is a method being used in Sweden and based on limited data but much discussion! It appears to work much better than the concept of growing adjacent to the previous crop to make use of the volunteers as a trap crop.
- The suggested distance is 2km but this has yet to be tested





# So what do we know now?



?

July-October



