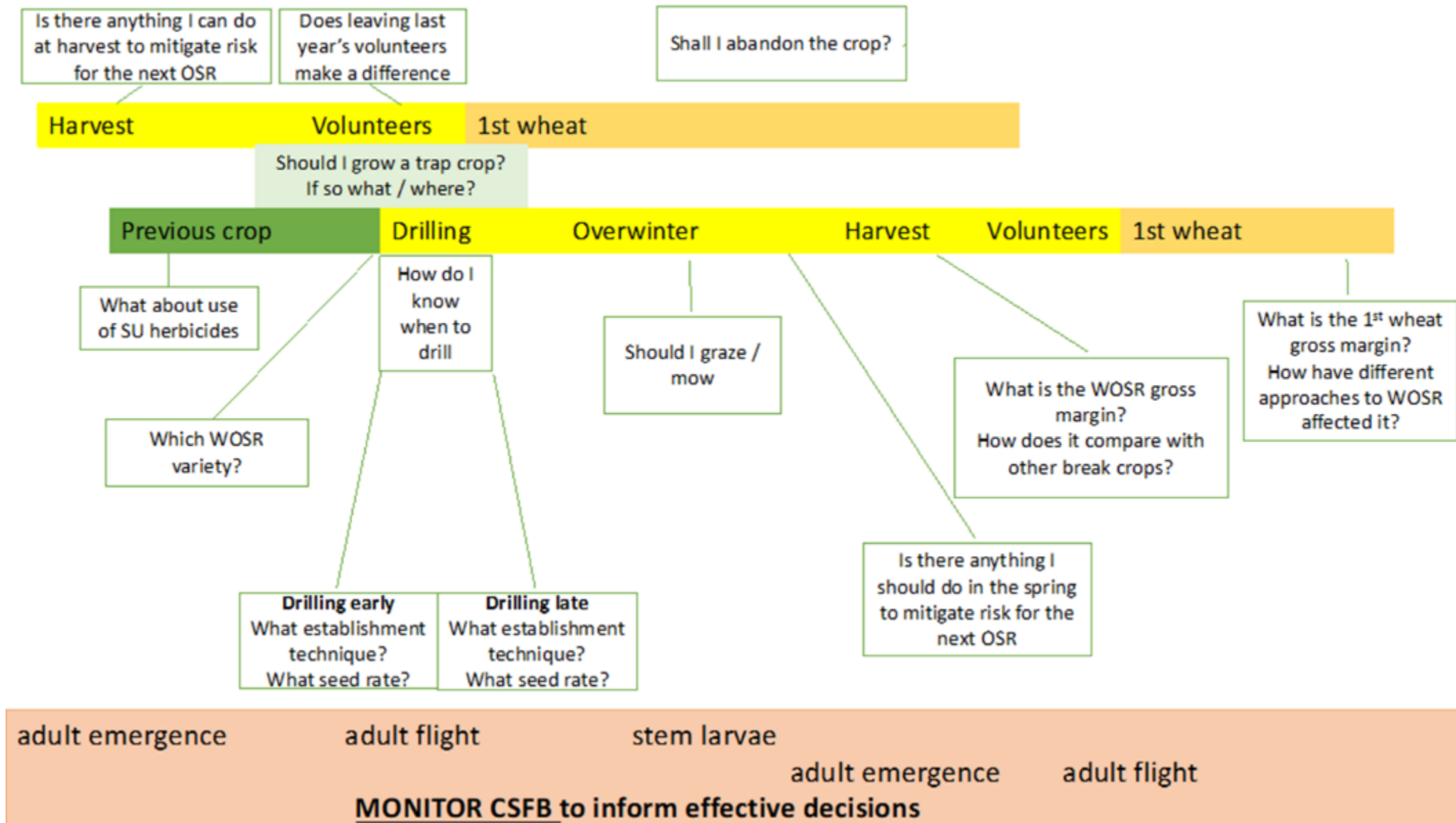
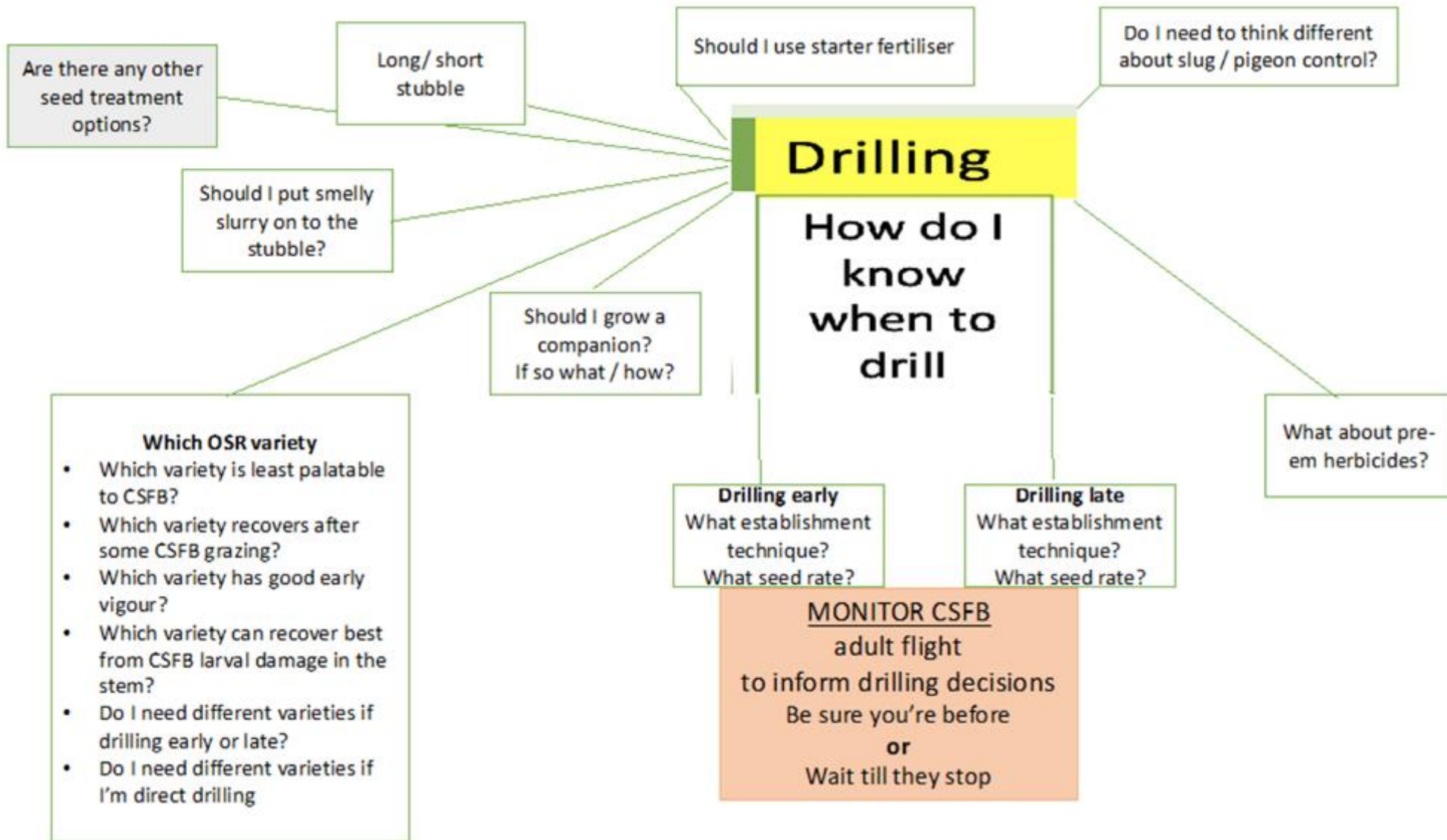




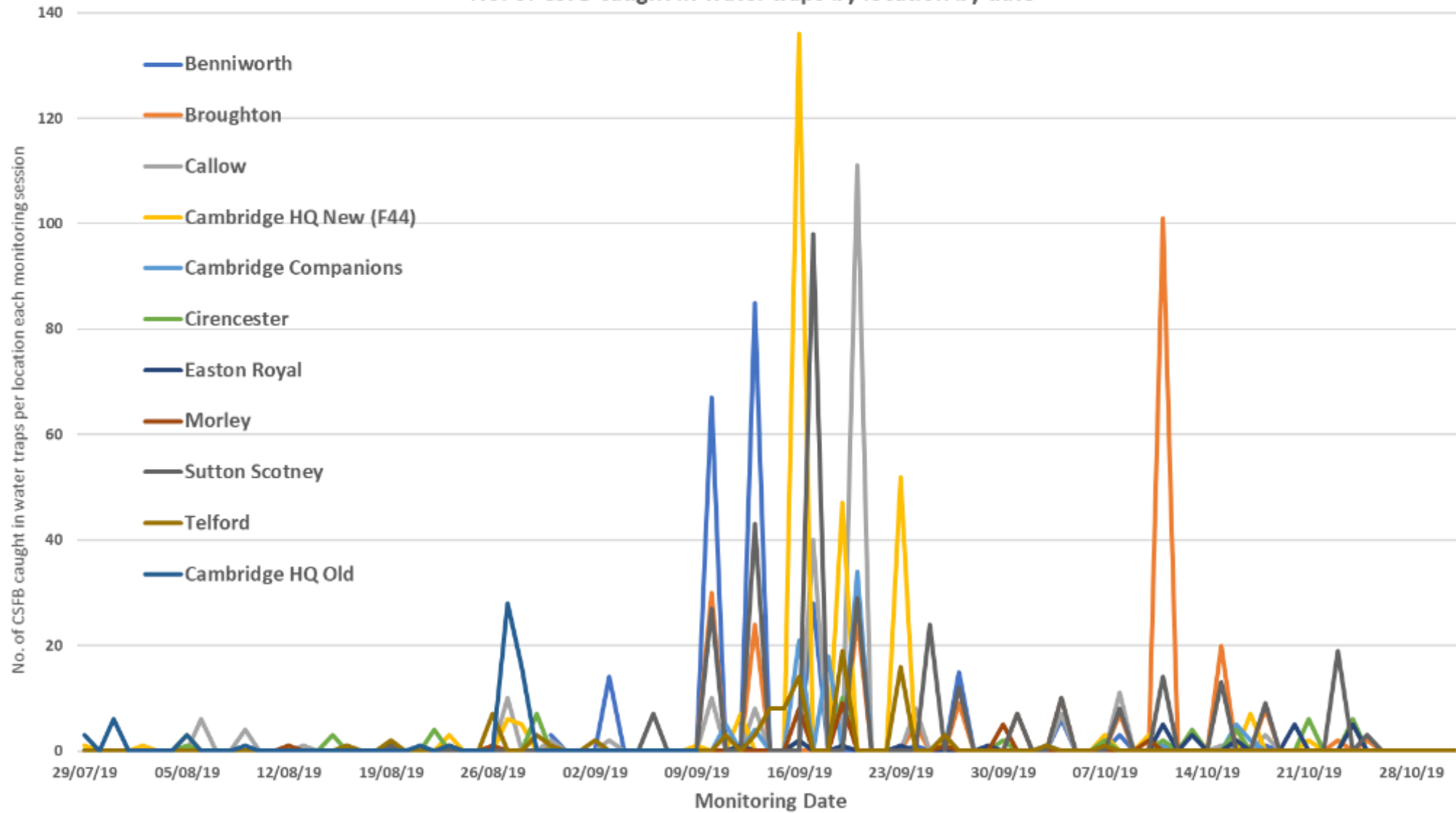
# Cabbage Stem Flea Beetle

Colin Peters





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



The next three slides may well  
be irrelevant

# Combining!

- We work on the theory that the adults hatch in June and then aestivate somewhere?
- What percentage of the population are still in the field?
- Of those in the field, what percentage enter the combine?
- Of those, what percentage pass through the combine?

Manipulate throughput?

Bio controls?







Redicop  
Seed Mill



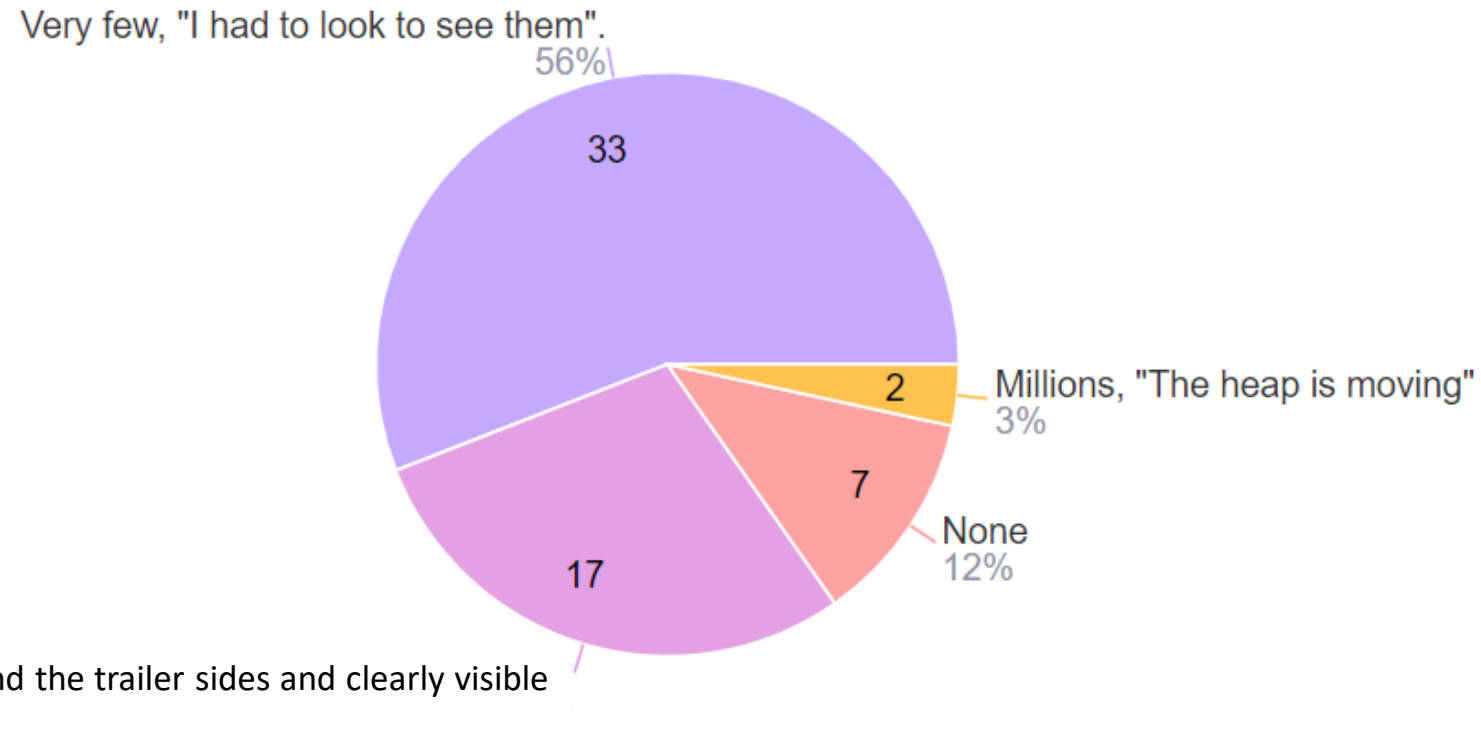


# OSR Volunteers

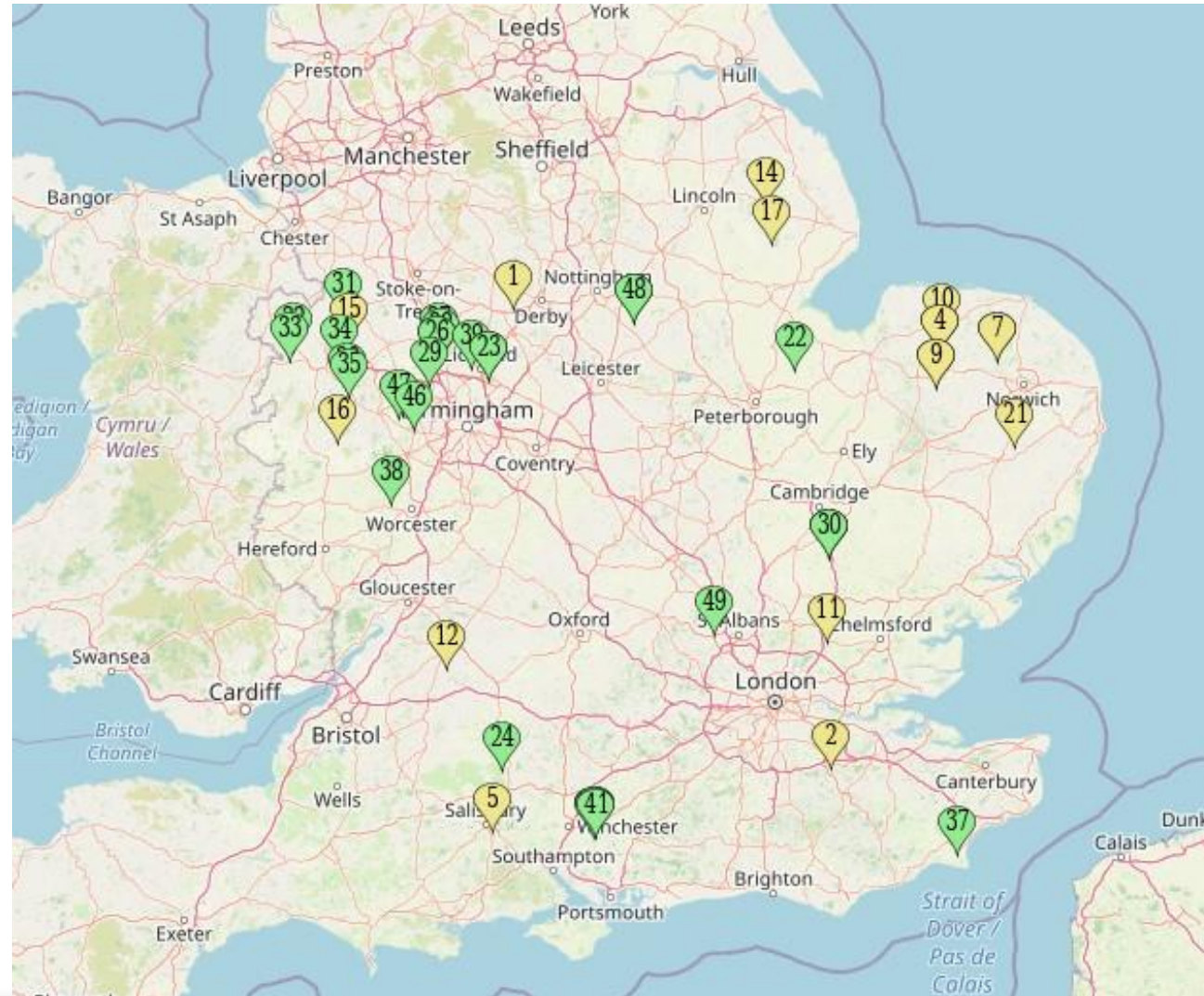
- We are all familiar with the term “trap crop”
  - Adults will happily feed on fresh young leaf growth
  - Are we missing a trick with adults by not giving them what they want?
  - Can we manipulate volunteers to create more fresh growth.
- 
- Rolling
  - Light discing



## csfb adults, visual harvest assessment.



# September 2 2021 water traps (farm based, farmer led monitoring)





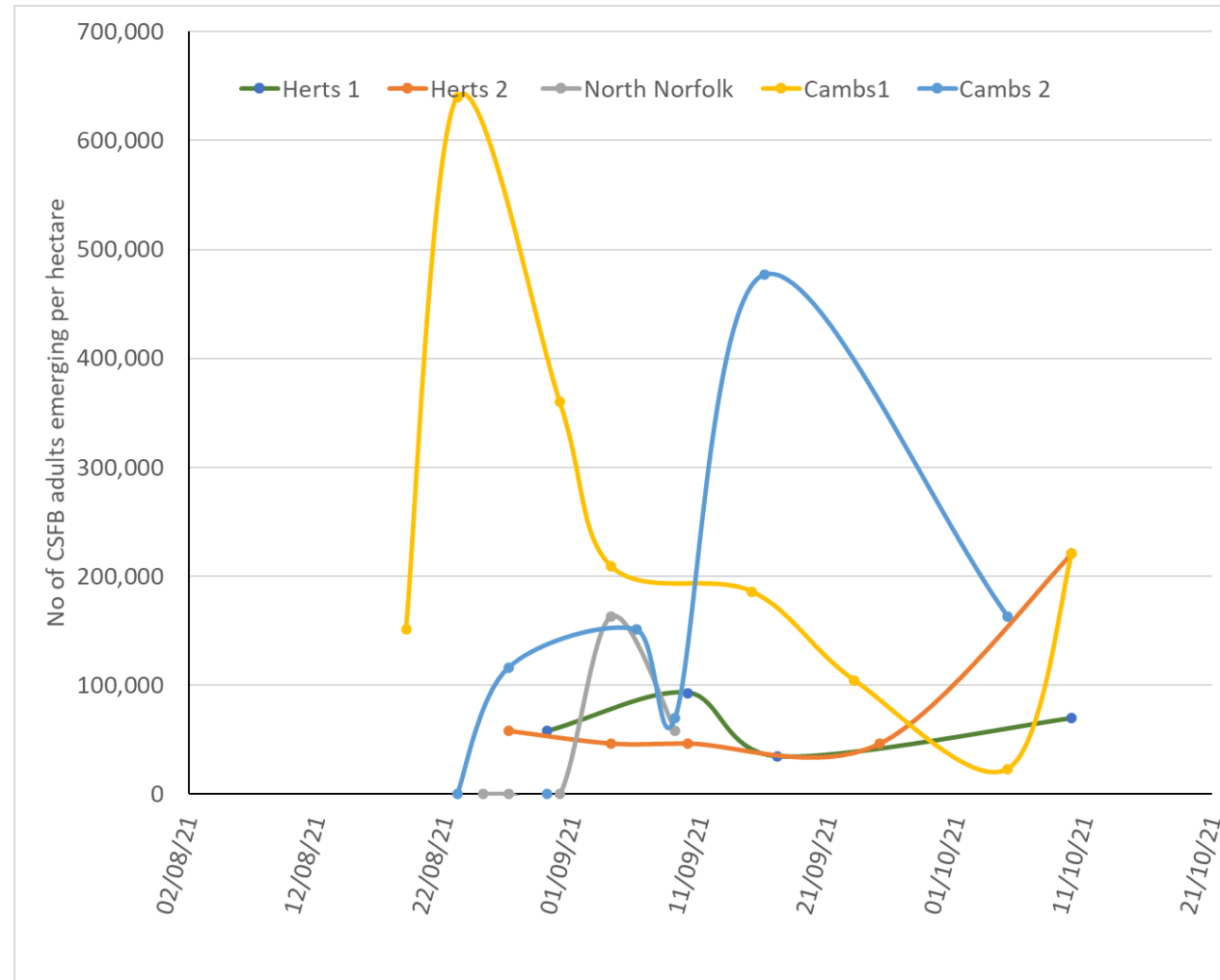
# Rothamsted Emergence Traps

When do the adults hatch and/or emerge?

Rape stubble, following crop, spring or even the following year?



# Emergence trap figures autumn 2021





# Varieties

- Varieties/drilling date
- Some varieties appear to be more tasty than others?
- Do some varieties tolerate larval numbers more?
- Is there preferential egg laying

## Blends?

- We have seen some varieties that “appear” to be preferentially targeted in small plot trials.
- These varieties are now sown in large plots in Cambridgeshire and Dorset and will be monitored from December.



# 2021/2022

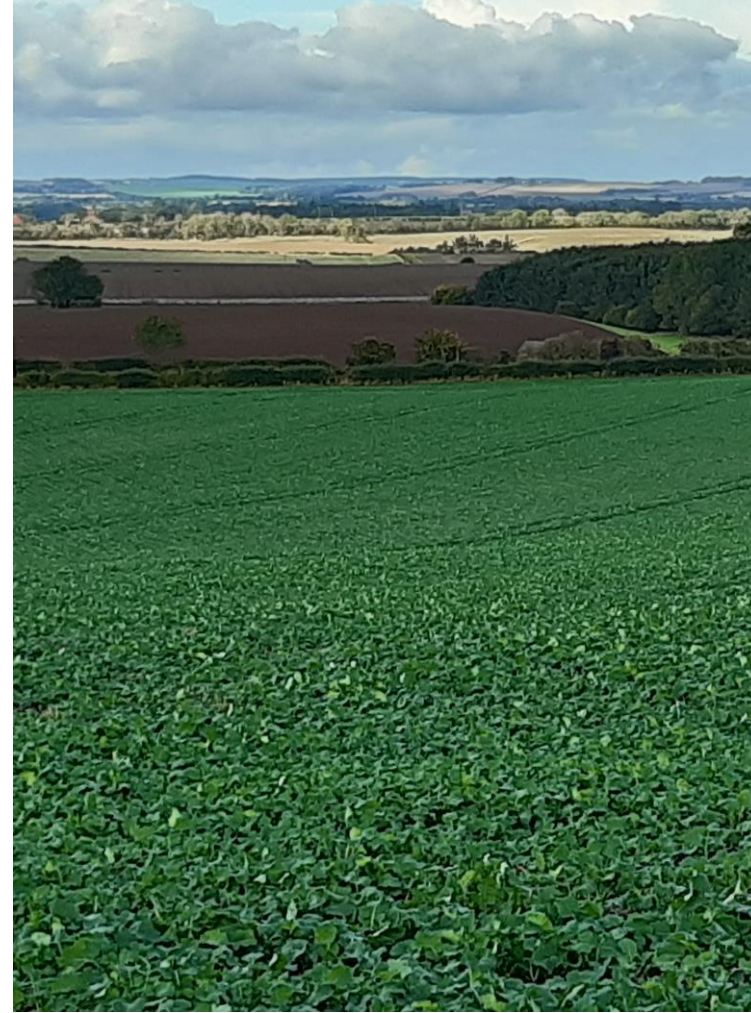
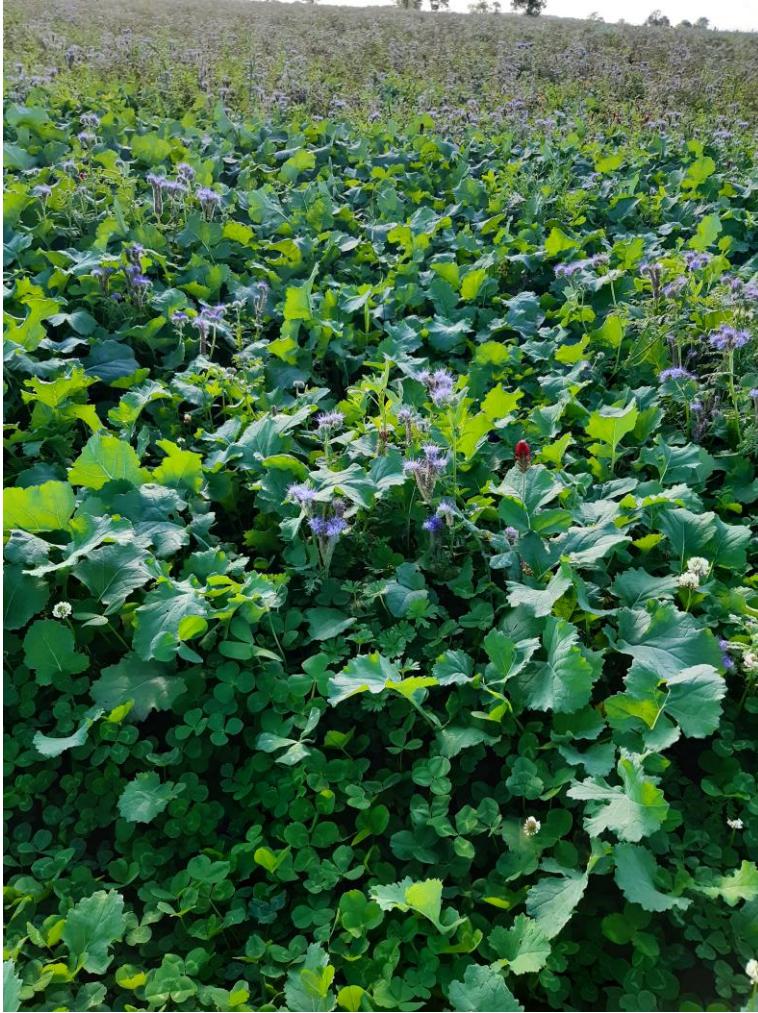
## Stem larval Counts on all interventions

- Drilling dates
- Varieties
- Manures
- Cover/companion crops
- Grazing/mowing

**Do they make a difference to larval numbers?**



# Does this make a difference to egg laying?

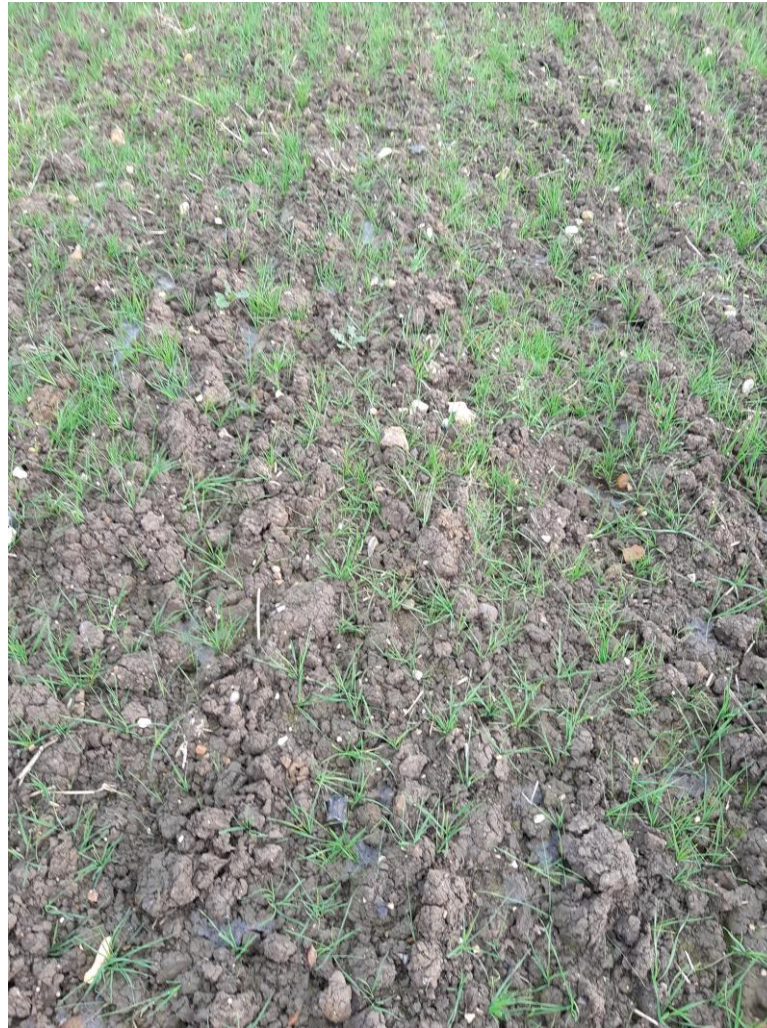




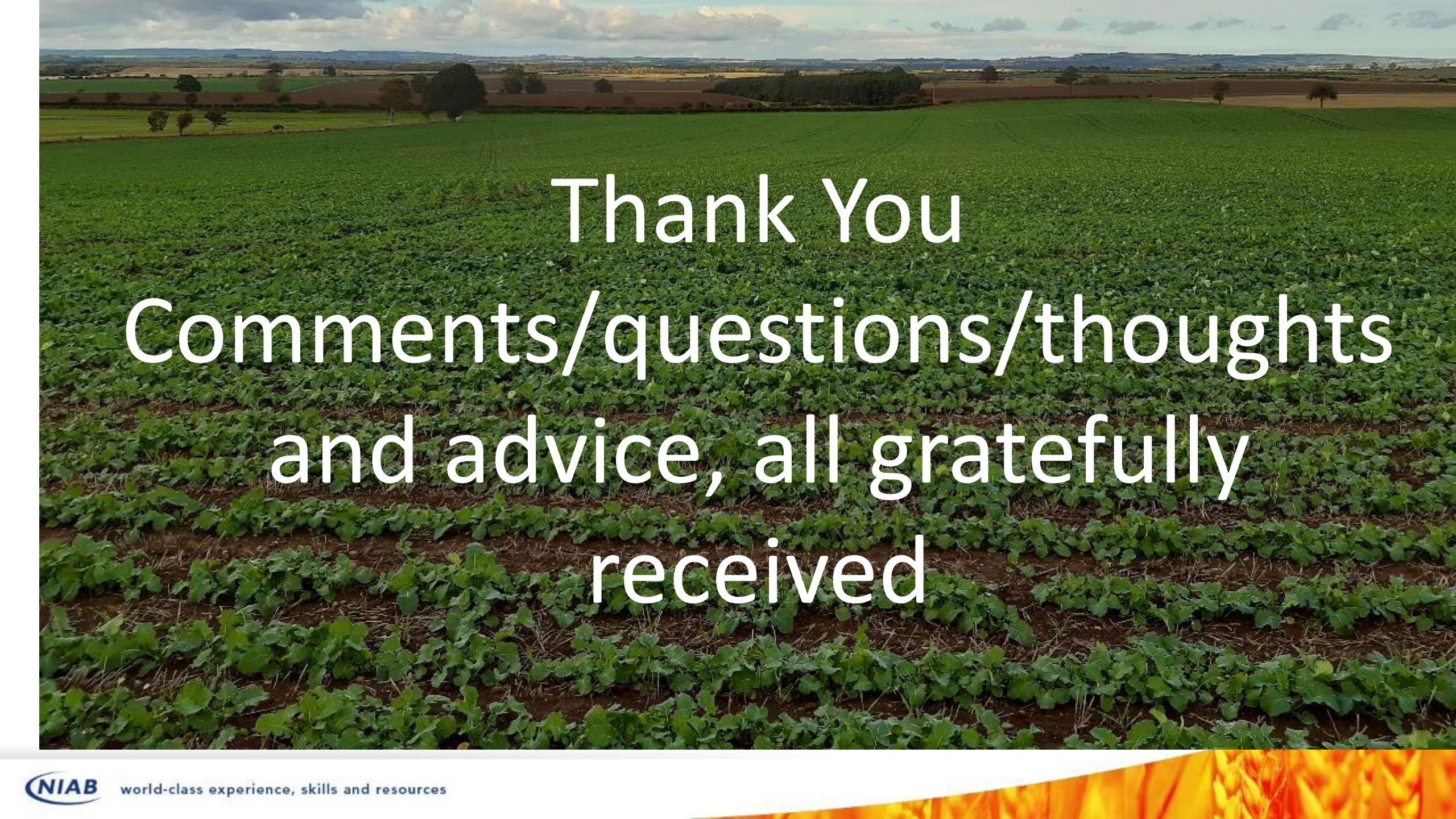
# Stem Larval Counts



# Blackgrass







Thank You  
Comments/questions/thoughts  
and advice, all gratefully  
received