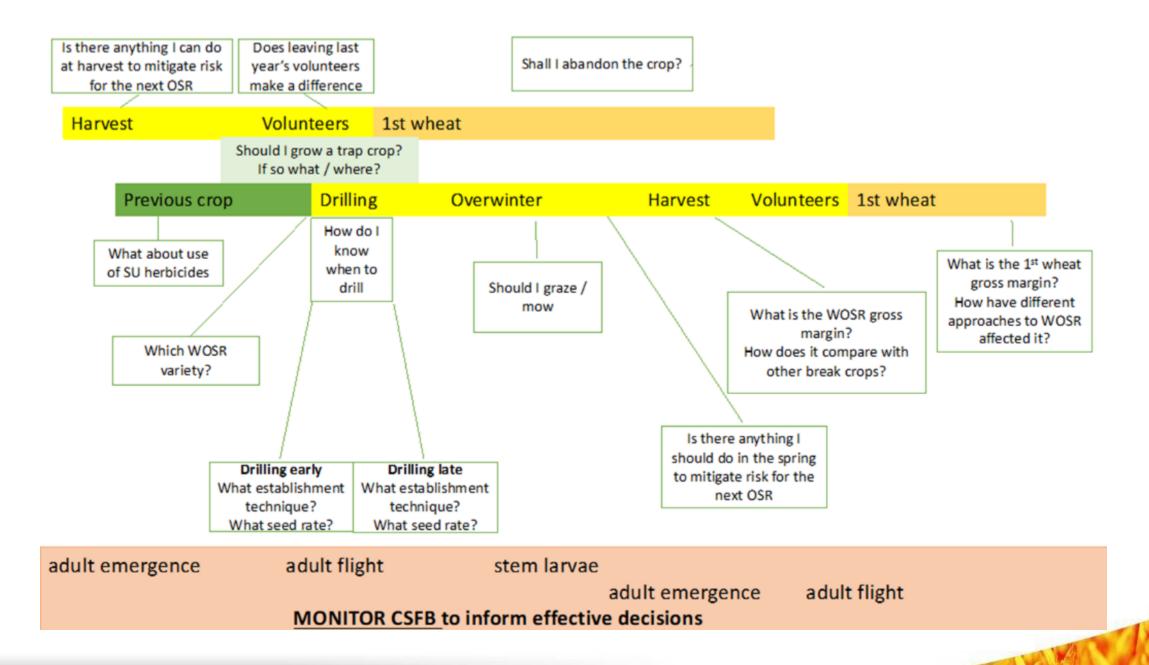


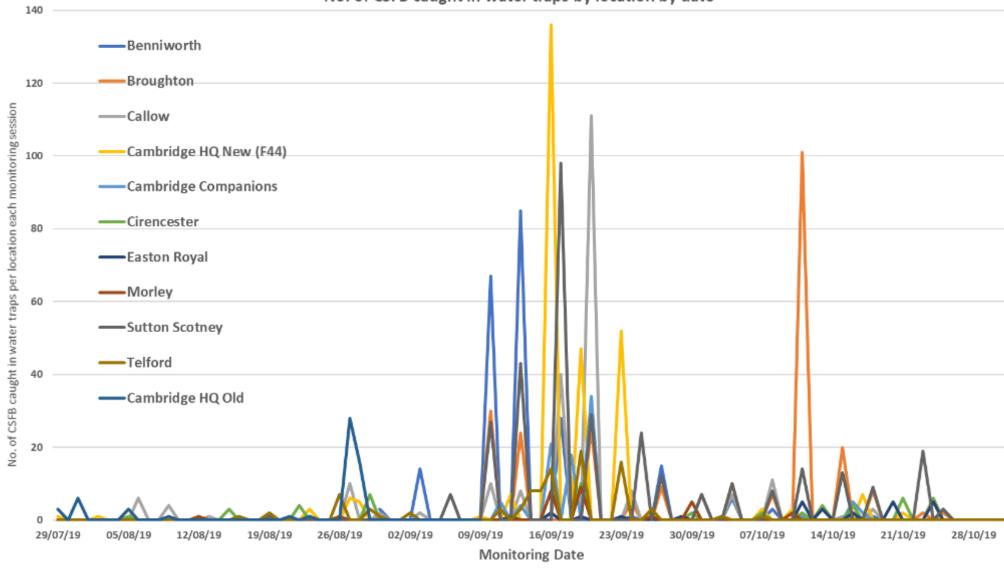
Cabbage Stem Flea Beetle

Colin Peters



Do I need to think different Should I use starter fertiliser Long/short about slug / pigeon control? Are there any other stubble seed treatment options? Drilling Should I put smelly How do I slurry on to the stubble? know when to Should I grow a companion? drill If so what / how? What about pre-Which OSR variety em herbicides? Which variety is least palatable **Drilling early Drilling late** to CSFB? What establishment What establishment · Which variety recovers after some CSFB grazing? technique? technique? · Which variety has good early What seed rate? What seed rate? vigour? MONITOR CSFB · Which variety can recover best adult flight from CSFB larval damage in the to inform drilling decisions stem? Do I need different varieties if Be sure you're before drilling early or late? Do I need different varieties if Wait till they stop I'm direct drilling







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

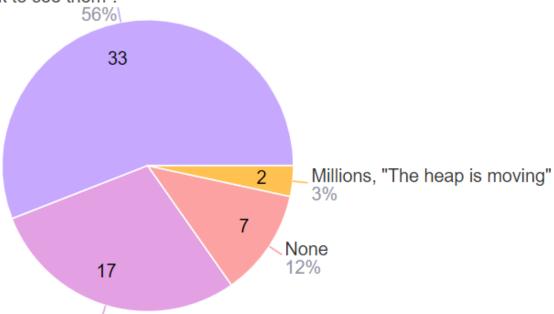
- We are all familiar with the term "trap crop"
- Adults will happily feed on fresh young leaf growth
- Are we missing a trick with adults by not giving them what they want?
- Can we manipulate volunteers to create more fresh growth.

- Rolling
- Light discing



csfb adults, visual harvest assessment.

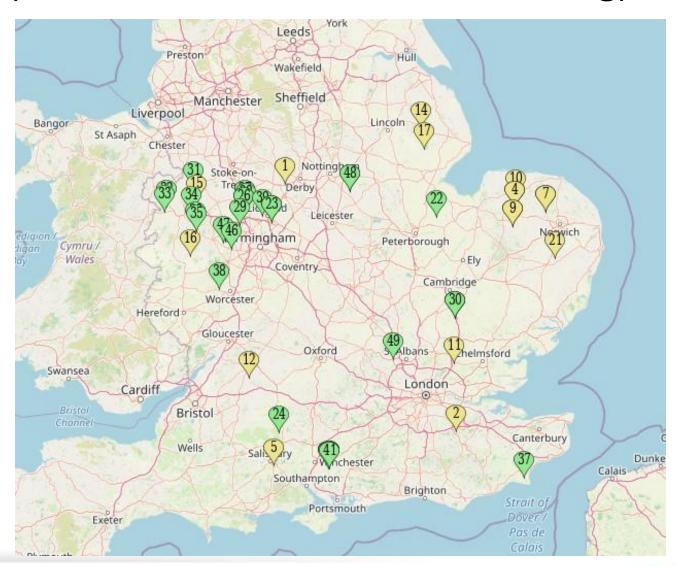




There were plenty around the trailer sides and clearly visible in the store 29%



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





Rothamsted Emergence Traps

When do the adults hatch and/or emerge?

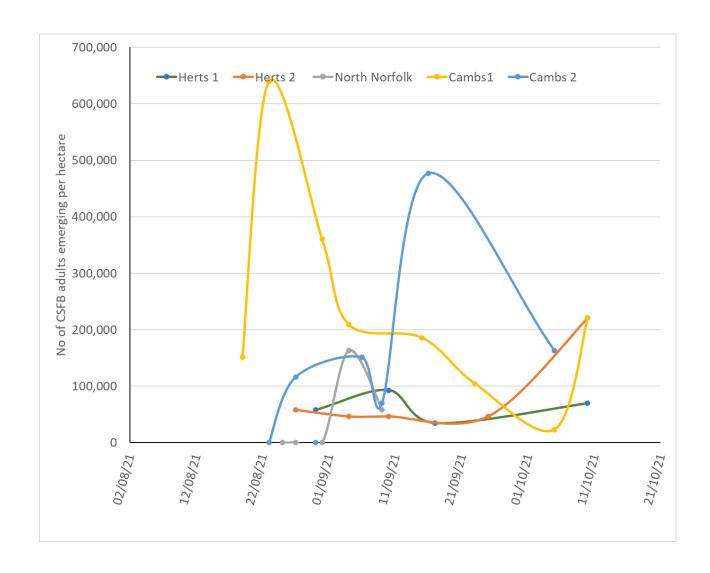
Rape stubble, following crop, spring or even the following year?







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

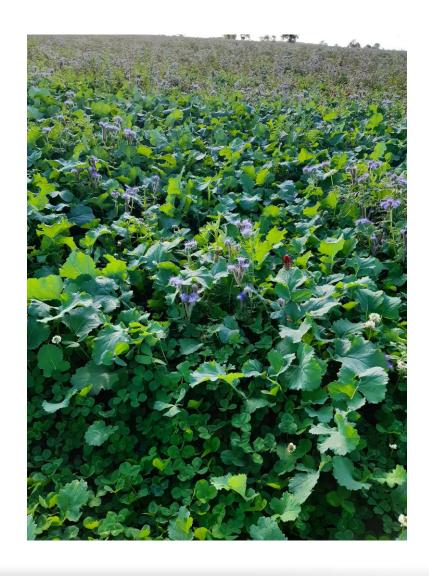
Stem larval Counts on all interventions

- 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







