

2022 Hartswater moth traps

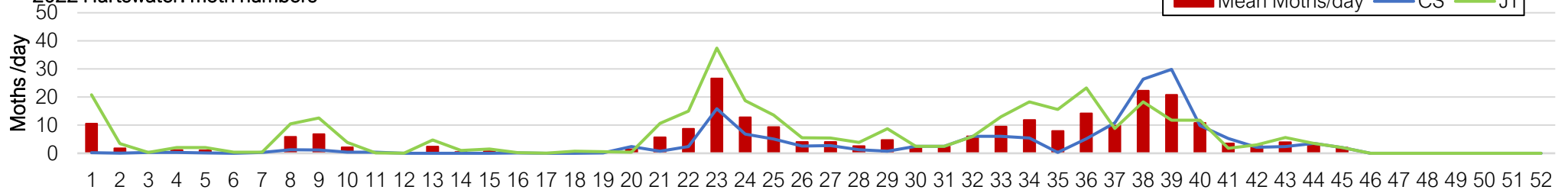
Shaded green blocks indicate the mean planting time, while the shaded yellow blocks indicate the harvesting time. The shaded red block indicates the critical period for moth activity which could cause damaging larval populations.

- First graph indicates the original data received from the farmers.
- The second graph indicates the mean number of moths (red line), while the dark blue arrows indicate the life cycle predicted by the average mean daily temperatures. Light blue arrows show the actual life cycle based on 2022 weather data.
- A third graph shows the mean number of moths as well as the mean temperature and rainfall per week.

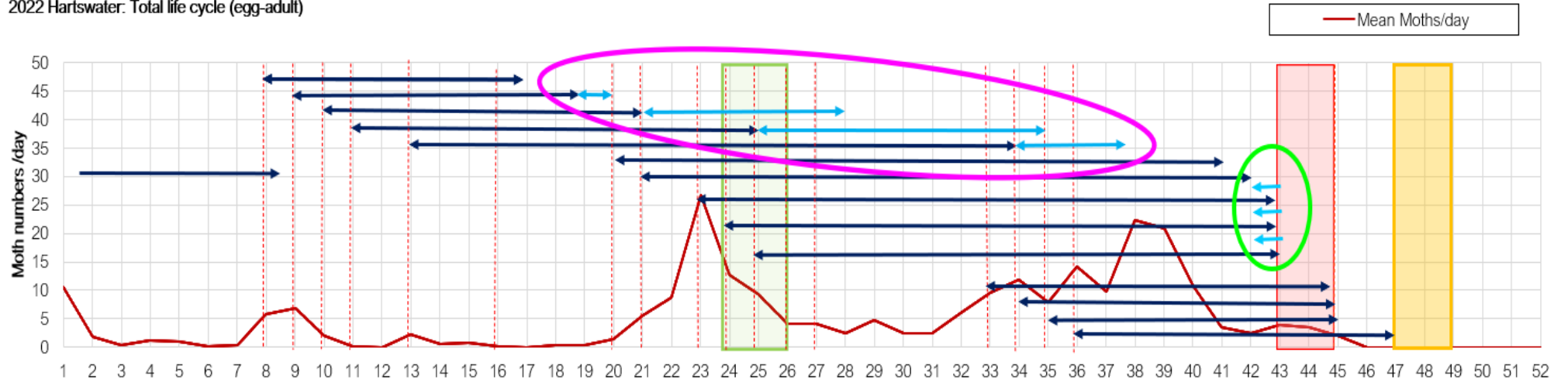
7 November 2022 - WARNING:

2022 weather patterns differed from the long-term mean. Available data shows false army worm life cycles **lengthened during winter** and **shortened during spring** [middle graph]. Please scout fields for the presence of false armyworm larvae. The dry period between weeks 33 and 41 (15 August – 16 October) [bottom graph] may have cause false army worm moth to lay eggs in pivots.

2022 Hartswater: moth numbers



2022 Hartswater: Total life cycle (egg-adult)



Hartswater 2022: Rainfall, temperature and mean moths per day

