

Management tactics for control of pollen beetle in oilseed rape

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The problem: pollen beetle *Meligethes aeneus*

- Brassica specialist pest
- Oviposits in buds causing yield loss
- Pyrethroid resistance



The solution?

**Reduce the no. sprays and area sprayed
by manipulation of host-location behaviour**



–yellow colour of the flowering crop

– host plant volatiles

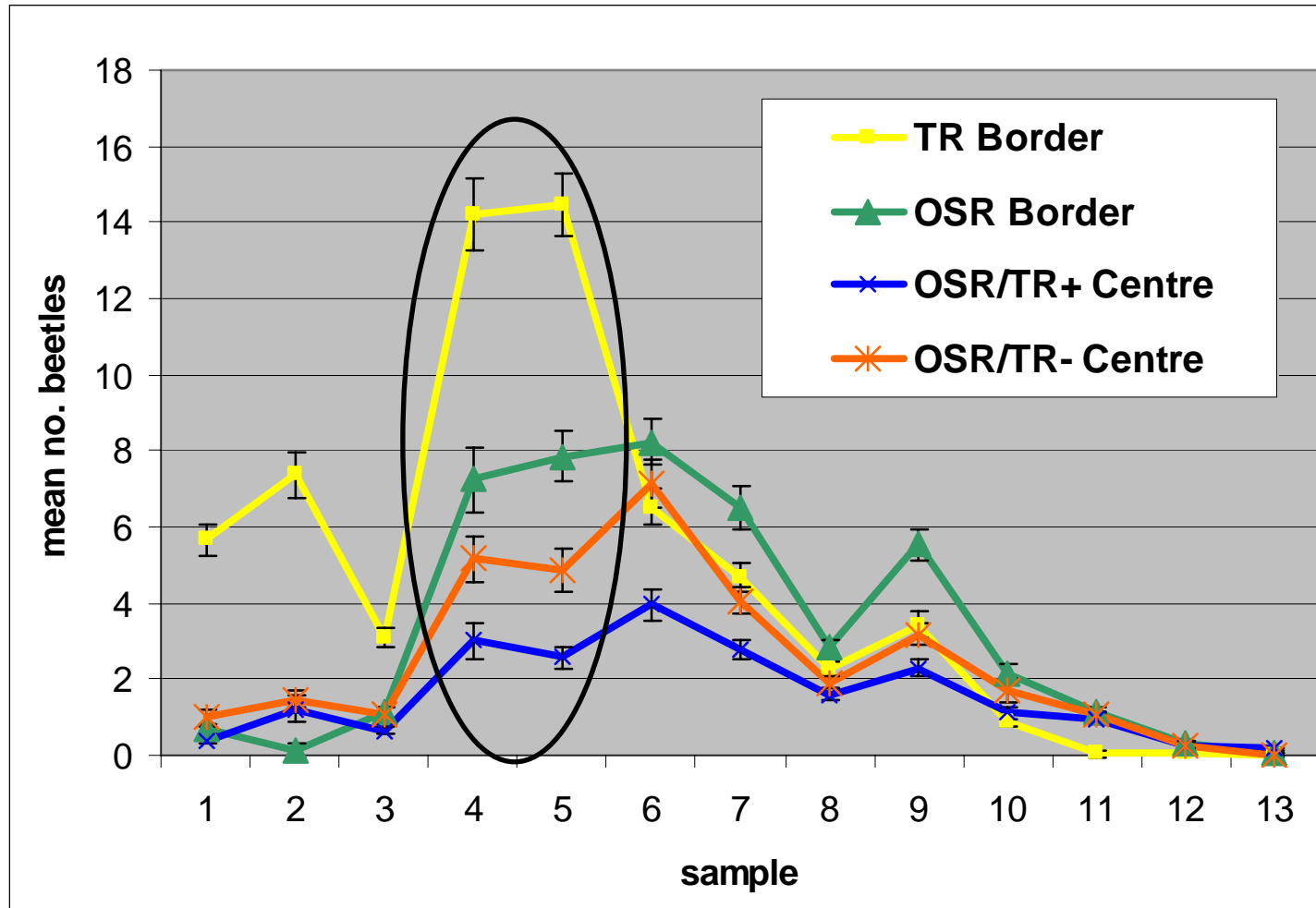
floral odour

alkenyl isothiocyanates

Turnip rape (*Brassica rapa*) trap crops are more attractive than *B. napus* as they flower earlier and have more attractive odour (phenylacetaldehyde & indole)



Turnip rape trap crops reduced level of infestation in centre plot to below spray threshold



Possible LINK project

- Test the trap cropping method on a field scale in winter rape cropping system



Possible LINK project

- Test the trap cropping method on a field scale in winter rape cropping system
 - need high yielding, early flowering cv. of TR
 - ultimately need to breed OSR with the attractive characteristics of TR
- Improve decision making
 - monitoring traps
 - decision support (proPlant) www.proPlant.de