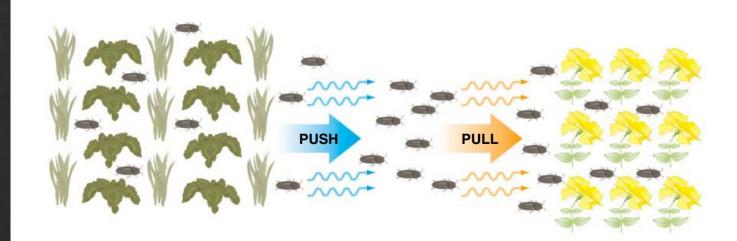


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# To me, to you - developing a push-pull system-for sustainable management of aphid pests in seed and ware potato

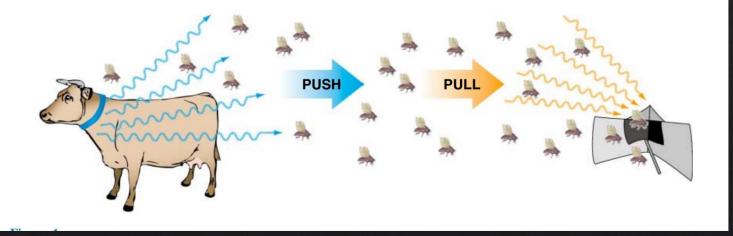
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- Visual distractions
- Non-host volatiles
- Anti-aggregation pheromones
- Alarm pheromones
- Oviposition deterrents
- Antifeedants

- Visual stimulants
- Host volatiles
- Aggregation pheromones
- Sex pheromones
- Oviposition stimulants
- Gustatory stimulants



Cook et al, 2007

## **Project Goal**

 Develop an effective Push-pull system for the control of aphids in potatoes

Ensure that is commercially viable

 Understand the contribution of different elements





### Areas of interest

- ✤ Visually attractive trap crop
- Behavioural response to fungicides/PGRs
- ✤ Accuracy of aphid landing
- The role of non-colonizing aphids in PVY spread:-
  - Post-alighting behaviour on a nonhost crop
  - Survey of PVY carrying aphids

#### References

Cook S.M., Khan Z.R., Pickett J.A. (2007) 'The use of push-pull strategies in integrated pest management', *Annu. Rev. Entomol.* 52 pp. 375-400. doi: 10.1146/annurev.ento.52.110405.091407. PMID: 16968206.

### Photographs

Eugene E Nelson https://www.invasive.org/browse/detail.cfm?imgnum=5360



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