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

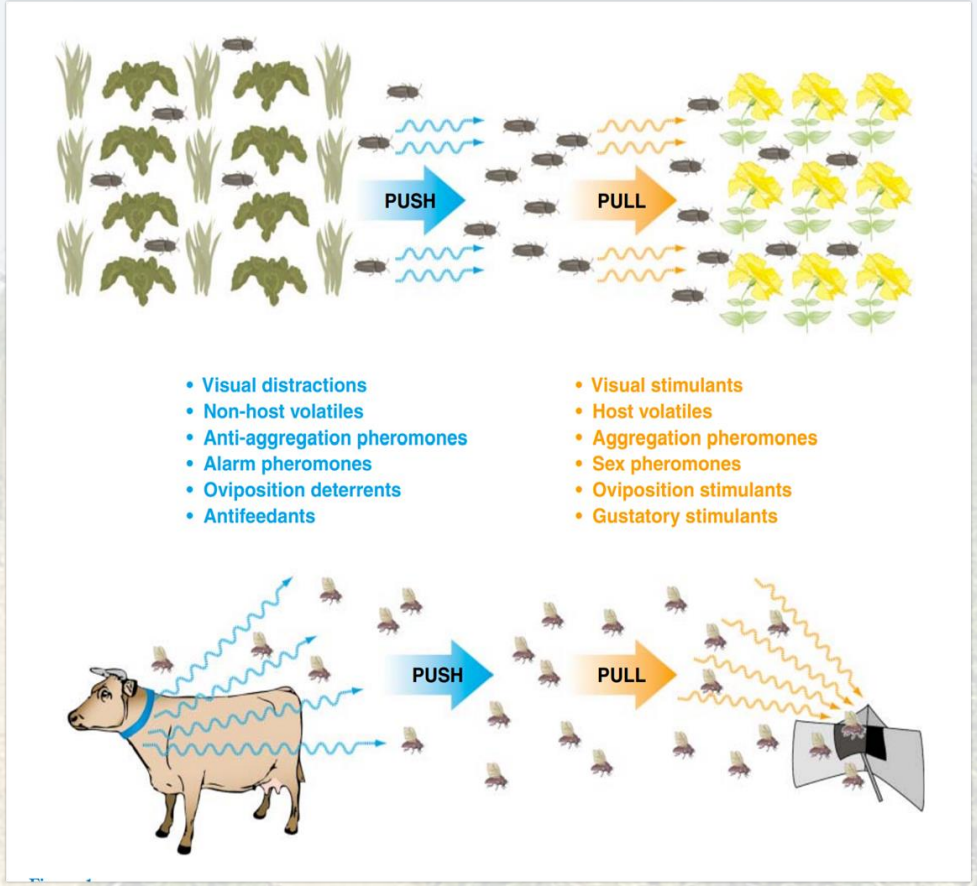
John Owen

EXPERT GROUPS PESTS & BENEFICIALS

CTP Sustainable Agricultural Innovation

Project Goal

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



Cook *et al*, 2007

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Agritech + Add to myFT

Scientists test new biological alternatives to toxic pesticides

Ladybirds, food dye and fungi are all being pressed into the war on harmful insects

The beet goes on: 'camo-cropping' uses dye to make sugar beet crops harder for aphids to detect ©

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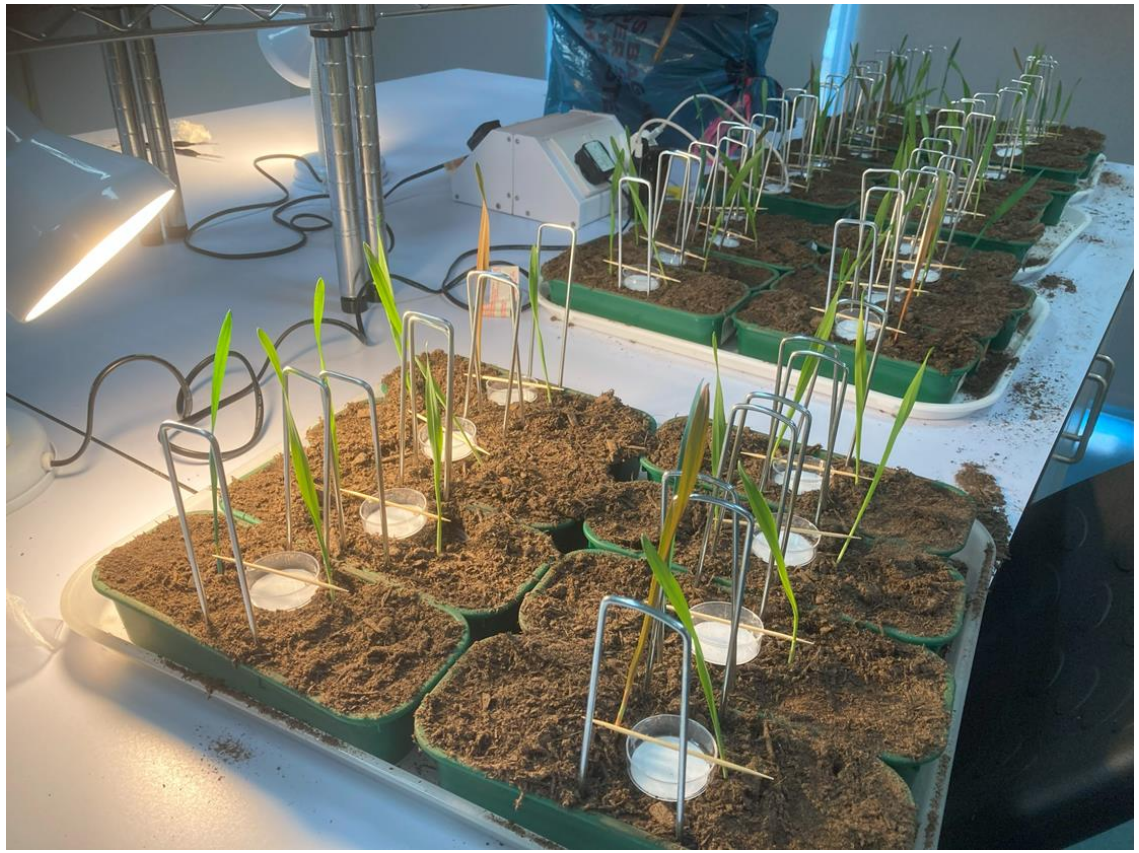

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Bird Cherry-Oat Aphid

Apterous

Painted	14	16	15	16
Unpainted	17	18	16	17

Exact binomial test 0.5, p value= 0.47

Alate

Painted	17	16	11	18
Unpainted	12	11	12	13

Exact binomial test 0.5, p value = 0.21

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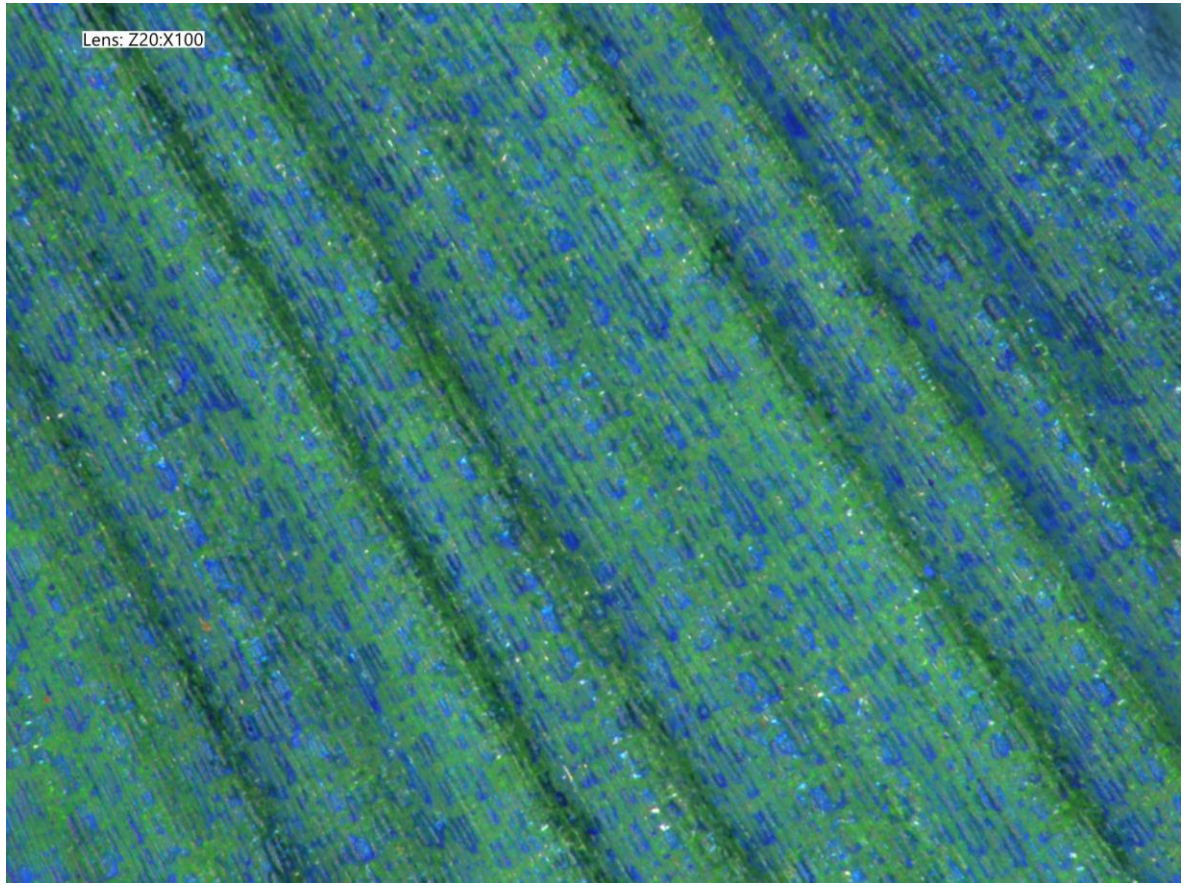

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Supervisors

Dr Tom Pope, Dr Joe Roberts, Dr Matthew Back

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.

John Owen – JOwen@live.harper.ac.uk
X - @bugsnbrass

NIAB

UKRI Biotechnology and Biological Sciences Research Council

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