

Work Package 8: Knowledge Exchange

This work package is led by Philip Burgess (Scottishpotatoes.org¹) who, with the help of the potato team from SAC Consulting, will be implementing a Knowledge Exchange and Communications Programme for this project. If you have any questions, contact phil@scottishpotatoes.org.uk

- Potato Cyst Nematodes or (PCN) are an important pest of potatoes and across Europe, PCN reduces potato yields and quality.
- In Scotland, the PCN infested land area is doubling every 7 years².
- Increasing industry stakeholders' awareness and knowledge of the pest is required for sustainable management changes to occur.
- Knowledge Exchange is the process in which ideas, insights, research evidence, experiences and skills are transferred and shared between researchers and stakeholders.

Aim

To engage with and inform the potato industry supply chain directly through publications, website, workshops, and events to ensure that the outcomes from all the work packages have a positive impact on the delivery of a sustainable future for the potato sector in Scotland.

Knowledge Exchange will work with:

- Growers
- Agronomists
- Landowners and managers
- Retail
- Policy Makers
- Trade Organisations
- Education and Training Providers

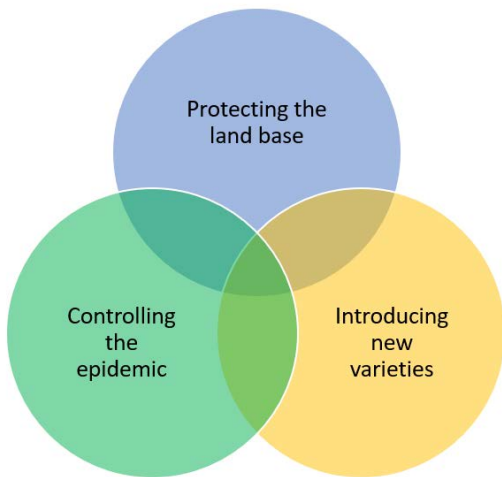


Figure 1: Best practice demonstrations for PCN control.

Three interlinked priority areas have been identified for Knowledge Exchange and Communications. A different combination of priority areas will be required for different stakeholders to address the challenges they experience at their position in the supply chain.

Protecting the land base: Preserving 'clean land' (without PCN) and returning land to seed production for future generations.

Controlling the epidemic by providing tools and knowledge that enable growers to sustainably manage established infestations.

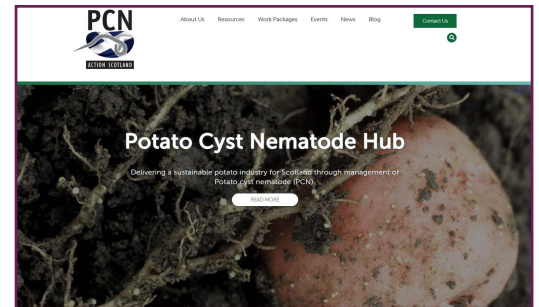
Introducing new varieties with known resistance characteristics to PCN and which are appropriate for Scottish supply chains.

¹<https://www.scottishpotatoes.org/>

²https://www.planthealthcentre.scot/sites/www.planthealthcentre.scot/files/2021-04/pcn_working_group_-_final_report.pdf









How will this work package exchange knowledge and communicate with stakeholders?

- A **National Strategy**, supported by stakeholders, of knowledge exchange will deliver sustainable change to the management of PCN in Scotland incorporating the three interlinked priority areas.
- **Action PCN Scotland website** has been created to serve as a communication channel for all work packages. Project updates, case studies and upcoming events will be posted on the site <https://www.pcnhub.ac.uk/>.
- **Factsheets** have been created to explain each work package and summarise the key details within the research. New factsheets will be produced throughout the duration of the project as the conclusions of research are reached.
- **Best practice demonstration trials** will be conducted to engage with growers and ensure awareness of the challenges and the uptake of new technologies and varieties as they become available.
- **Stakeholder engagement events**, such as Potatoes in Practice, agricultural discussion groups and other established events will be used to raise awareness of the project, its aims, and outcomes. Practical stakeholder focused messages will be delivered to ensure impact from the technical developments and solutions discovered by the project.
- **Local PCN Management Groups** will be created involving growers, landowners, agronomists, and industry stakeholders. These will engage locally and develop local solutions to PCN management.



Work Package Success

1. Delivery of a sustainable national strategy which ensures a long-term future for the potato sector in Scotland.
2. Focused engagement with the full supply chain on the challenges and solutions available.
3. Full integration of all work package outputs, delivering an IPM toolbox for the sector.
4. A potato sector which has sustainability at its core, aiming to improve the availability of land for potato production.

							
1. Economics	2. Decision Support	3. Resistance Markers	4. Accelerated Breeding	5. Tolerance to PCN	6. Groundkeeper Control	7. Integrated Pest Management	8. Knowledge Exchange

More information and factsheets about each work package can be found on [pcnhub.ac.uk](https://www.pcnhub.ac.uk)

