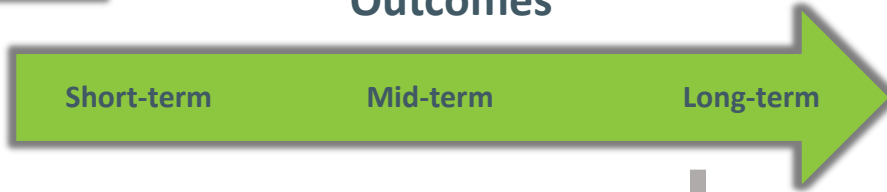


Realising the Canterbury Potato Liberibacter Initiative

Updated: 3rd Nov 2022

Vision: Sustainable improvement in crop health, tuber quality and stabilising economic pressures for the NZ process potatoes sector.

Outcomes



Critical issues

What are the current issues (or opportunities) that this project will address?

Inputs

What are the resources available for this project? E.g. funding, capability, time, etc.

Activities

What are the things that will be done in this project?

Outputs

What will we produce in this project?

TPP management does not reduce ZC severity and incidence

Funding; TPP/CLso science capability; growers and agronomists; presentations by international experts; out of the box products; historic research outputs and outcomes; CPLI committee; agchem industry; agronomists

Contact Insecticide Efficacy; Spray efficacy advice; Systemic insecticide efficacy; TPP management in crops project; SAR and antibacterial protection; Calcium Propionate; Analysis of spray diaries

Reports; newsletters; extension bulletins; web posts; presentations

Adoption of BMP spray application.

Optimisation of pesticide use.

Reduced quality issues and economic impacts, from TPP and Liberibacter, on NZ potato crops.

Opportunity: Alternative management methods

Historic research outputs and outcomes (e.g. fishfert); CPLI committee; experience in other industries; TPP/CLso science capability; growers; fields + history; agronomists; overseas experts

SAR and antibacterial protection; Calcium Propionate; biological control; cultural methods (e.g. self-set potatoes); nature strips; grower education; headland spraying early season; lures; trap & kill

Reports; newsletters; extension bulletins; web posts; spray programme; new biological control agents; factsheets on IPM, spray programmes, cultural methods; nature strips; grower training; lures; traps

IPM-friendly spray programme

Effective & trusted management practices.

Resilient businesses.

New IPM programme

Better understanding of TPP population dynamics with crops and hosts

Sticky trapping; Plant monitoring; CPLI committee; grower fields; agronomists; TPP/CLso science capability; historic research outputs and outcomes; Canterbury weather data

Making Degree Day graphs; Canterbury Trapping network sent TPP trap numbers to industry; TPP ID training

Degree Day graphs; TPP numbers to industry; TPP/CLso/ZC factsheets

Increased understanding of TPP for growers, processors and agronomists.

[Insert long-term outcome 1]

Opportunity: inhibit CLso action in the plant (less ZC)

[Insert input 4]

[Insert output 4]

[Insert short-term outcome 4]

[Insert mid-term outcome 3]

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Opportunity: ID ZC at factory and sort out tubers

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Opportunity: eradication of TPP

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Assumptions: Climate will continue to impact pest populations and input costs will continue to put pressure on potato production, costs, and profitability.

contributes to:

A resilient, sustainable process potato industry in Canterbury

An **output** is the immediate result of an action, service, product or event that documents implementation of an activity
 An **outcome** is the desired changes or accomplishments that result from activities (has directionality e.g. increased, decreased, enhanced etc.)