Realising the Canterbury Potato Liberibacter Initiative

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

Updated: 3rd Nov 2022

Critical issues	Inputs	Activities	Outputs	Outcomes: Short-term	Outcomes: Mid-term	Outcomes: Long-term
What are the current issues (or opportunities) that this project will address?	What are the resources available for this project? E.g. funding, capability, time, etc.	What are the things that will be done in this project?	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. Knowledge of GMP/BMP for TPP management. Effective & trusted management practices. New IPM programme	Reduced quality issues and economic impacts, from TPP and Liberibacter, on NZ potato crops. Resilient businesses.
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		
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]	Copy and paste as required
Opportunity: ID ZC at factory and sort out tubers						
Opportunity: eradication of TPP	Copy and paste as required	Copy and paste as required	Copy and paste as required	Copy and paste as required	Copy and paste as required	

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.)