

Consultation Roadshows
September 2020

Approach for today



1. Introducing the Plan

- Current state and need for change
- Timeline of key dates
- Approach to rules and tools for implementation
- Questions and discussion at the end

2. Interactive discussion on key elements of the plan

- Post-harvest and processors
- Plants
- Budwood
- Pollen
- People and equipment
- Organic matter inputs

The importance of consultation



Pathway Plan funded by new Biosecurity Act levy that replaces current National Psa-V Pest Management Plan (NPMP) levy.

Biosecurity readiness and response levy remains in place.

Approval of the Plan:

- Requires demonstration of consultation (and response) to Minister for Biosecurity.
- Does not require grower vote for Pathway Plan approval but need to show clearly that feedback is taken into account in proposal.
- Requires demonstration that is able to be funded via new Pathway Plan levy set at KVH Annual General Meeting (AGM).



HIGH LEVEL OVERVIEW

Lessons learned from the response to Psa-V

- Setting aside how it got into New Zealand, some of the costs of Psa-V could have been avoided in all likelihood.
- Factors like the:
 - lack of understanding of bacteria,
 - lack of orchard/pack-house hygiene controls,
 - lack of planning, and
 - lack of use of the right expertise across industry and Government.

almost certainly resulted in the impacts of Psa-V being materially greater than what they could have been.



Lessons learned from the response to Psa-V

"Efforts should continue to identify best practice management and hygiene practices for the management of not just Psa-V but other potential pests and diseases.

This guidance should emphasise the risks around a new pest or disease being in New Zealand and spreading for some time before it is actually discovered so as to provide a clearer justification for industry players to embed such hygiene practices as business as usual."



What's the current state?



National Psa-V Pest Management Plan (NPMP) since 2013:

- Successful in reducing impact and spread of Psa
- Many good practices have come from it
- Only focusses on Psa and KVH works in readiness and response for multiple threats
- Only has a 10 year term

Any change from the current state is proposed to be fiscally neutral in terms of grower levy

2013/139



Biosecurity (National Psa-V Pest Management Plan) Order 2013

Jerry Mateparae, Governor-General

Order in Council

At Wellington this 13th day of May 2013

Present: The Right Hon John Key presiding in Council

Pursuant to section 66 of the Biosecurity Act 1993, His Excellency the Governor-General, acting on the advice and with the consent of the Executive Council and on the recommendation of the Minister for Primary Industries given after being satisfied of the matters in section 65 of that Act, makes the following order.

Contents

		Pag
1	Title	
2	Commencement	
3	Interpretation	
	Plan	
4	National Psa-V Pest Management Plan	
5	Pest to be managed	
6	Plan's objectives: general	
7	Plan's objectives: establishment of exclusion regions, containment regions, and recovery regions	
8	Principal measures to be taken to achieve objectives	

1

What are our objectives?



The proposed Pathway Plan will:

- detect biosecurity threats on kiwifruit industry pathways early, and reduce their spread
- ensure biosecurity threats can be rapidly traced on kiwifruit industry pathways
- improve understanding of kiwifruit industry pathway risks and how they can be costeffectively managed







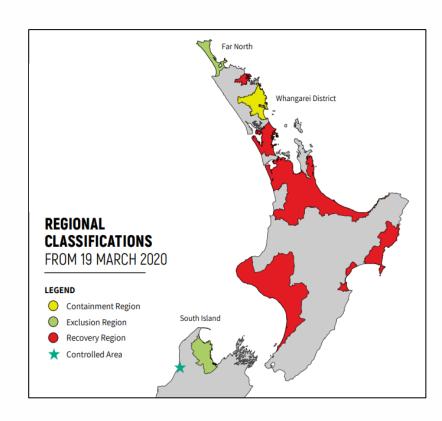
2006 2008 2009

The Pathway Plan would replace the NPMP



But Psa is still important...

- 1 year overlap to transition from NPMP to Pathway plan
- Pathway Plan to adopt any Psa-specific measures worth retaining, such as:
 - Protection for non-detected growers (Cook Strait boundary retained, but no Exclusion, Containment or Recovery Regions)
 - Measures to prevent spread of new or resistant forms of Psa
 - Measures to ensure movements carry acceptable level of risk
- Shift in emphasis from control at a regional level to the orchard boundary



Timeline to implementation



Dec 2019 -Sep 2020 Develop full Pathway Plan proposal after first high-level consultation

Sep – Nov 2020 Detailed consultation and roadshows

January 2021 Submit proposal to Ministry for Primary Induistries and Minister

2021

Parliamentary process
Implementation/operational planning

1 April 2022 Implementation of Pathway Plan

A case study – what could happen without a plan



Readiness and Response Plan for

Ceratocystis fimbriata affecting kiwifruit and
kiwiberries



March 2019







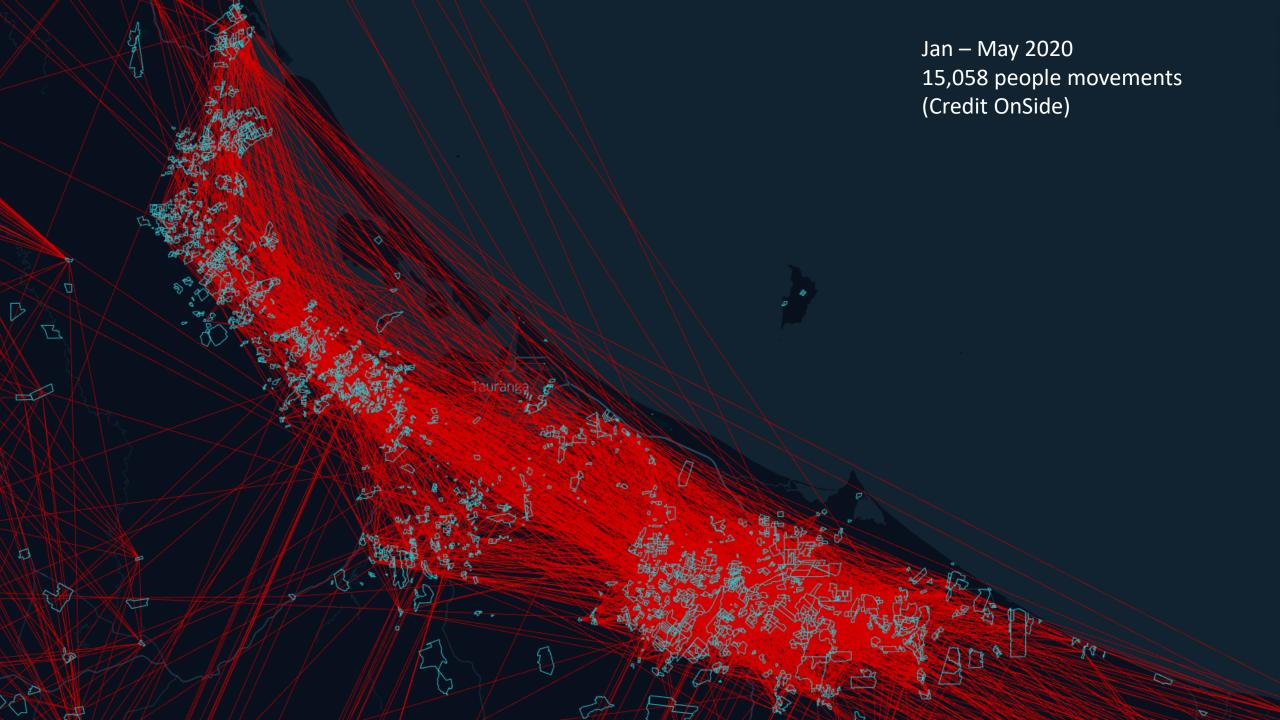
- *Ceratocystis fimbriata* in Brazil
- 2010: evolved from a native pathogen on an orchard
- Spread through budwood and rootstock
- Up to 50% vine loss
- Kiwifruit no longer viable
- No tolerant cultivars
- No effective agrichemical control

A case study – what could happen without a plan



- Doesn't spread far naturally: needs humans
- Biosecurity practices reduce likelihood of spread
- Biosecurity practices need to be in place as normal business

	Likelihood of spread	
Spread mechanism	Between orchards	Between growing regions
Plant propagative material	High	High
Tools and equipment	High	High
Root graft	Low	Low
Water run-off	Moderate	Low
Vector transmission	Low	Low
Plant fragments, saw dust and frass	Low	Low
Contaminated soil	High	High
Sporulation	Low	Low



A case study – what could happen without a plan



Pathway Plan



Voluntary action



No pathway management



Year 10

20 ha 4000 ha 13500 ha

The Plan will include:



- 1. Obligation to report
- 2. Provision of information
- 3. Kiwifruit orchard biosecurity plans
- 4. Kiwifruit post-harvest and processor biosecurity plans
- 5. Kiwifruit contractor biosecurity plans
- 6. Safe movement of kiwifruit plants and shelter plants
- 7. Safe movement of budwood
- 8. Safe movement of pollen
- 9. Safe movement of growing media and organic matter
- 10. Movement of risk items between North Island and South Island

The Plan will include:



- 1. Obligation to report
- 2. Provision of information
- 3. Kiwifruit orchard biosecurity plans
- 4. Kiwifruit post-harvest and processor biosecurity plans
- 5. Kiwifruit contractor biosecurity plans
- 6. Safe movement of kiwifruit plants and shelter plants
- 7. Safe movement of budwood
- 8. Safe movement of pollen
- 9. Safe movement of growing media and organic matter
- 10. Movement of risk items between North Island and South Island

Tools to make it easy

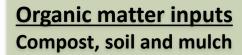


- Any kiwifruit plant sold, offered for sale or moved, and any shelter belt plant moved into a kiwifruit orchard, must be produced by a nursery that meets the following requirements:
- The nursery must be registered with the management agency;
- Hygiene practices must be in place that ensure all shoes, tools, equipment or other items are cleaned and disinfected to a
 standard approved by the management agency mouding before entering the nursely premises;
- Incoming kiwifruit plant material must be free from high risk pests specified by the management agency;
- A crop protection programme must be in place that includes products that are effective against high risk pests specified by the management agency;
- Growing media for potted plant production must not be re-used, and must meet the requirements of proposed rule 9;
- Compost and mulch used for ground-grown plant production must meet the requirements of proposed rule 9;
- All tools, containers, and surfaces used during kiwifruit, and shelterbelt plant production processes, including grafting and pruning processes, must be cleaned and disinfected to a standard approved by the management agency;
- Production and storage areas must be pest free, well organised and segregated, so that kiwifruit and shelterbelt plant batches are not mixed;
- Monitoring and testing must be carried out by suitably qualified persons and using methods approved by the management agency;
- A system must be in place that a lows kin fruit plant propagation materials and mans to be traced back to the last growing location and to their batch and traced farward to the buyer or final destination:
- Plant traceability records, including scopliess, dansporters and buyers and records that can trace the entire chain of custody, must be provided to the management agency within the time (Which must be not less than 24 hours) specified by the management agency, and records must be kept for a minimum of seven year.
- All other records must be kept for a minimum of three years, including:
 - monitoring and testing records



Plant material

- Rootstock and grafted plants
- Mature plants
- Budwood
- Pollen
- Shelter plants









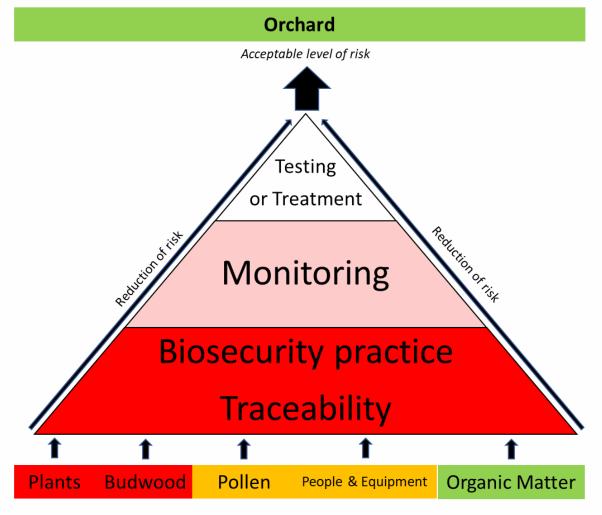


People and equipment

- Orchard management services
- Shelter belt trimmers
- Spray contractors
- Orchard infrastructure
- Harvest crews and bins
- Grafters

Consistent outcomes across pathways

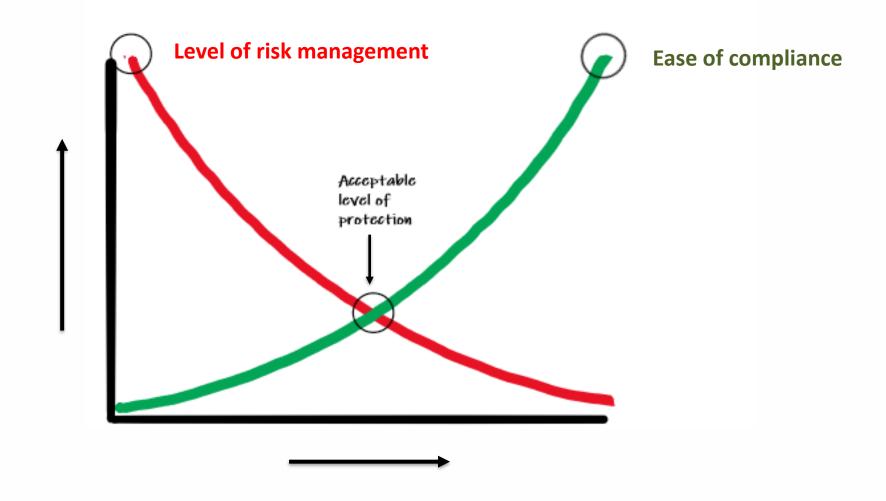




Input pathways and level of risk (unmitigated)

Appropriate balance of risk management





We are listening...Budwood



More traceability
Shared responsibility
Simple new tools and guidelines
Removes regions
Better hygiene
Easy to understand model
More auditing

Monitoring timing unclear

Budwood risk problematic

More work

More varieties means more cost

Budwood = low-risk

May drive underground

Own orchard meaning unclear Testing costs unclear

We are listening...Pollen



Do it at processing

ollen/flower pickers need supervision

Pollen/flower pickers rogue and looking up

Incentivise good behaviour

Certification scheme/Minimum standards Always relate back to a KPIN

Pollen millers authenticate

More effective with commercial millers

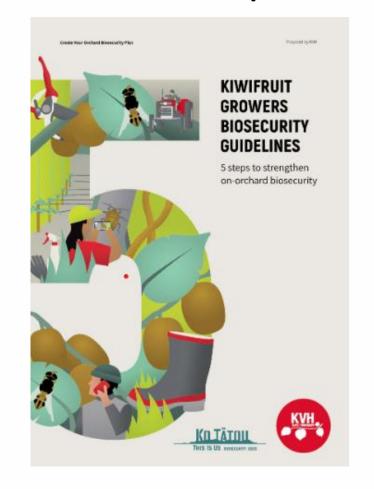


KEY IMPROVEMENT AREAS

1. Orchard biosecurity plans



Growers have and operate to an orchard biosecurity plan





2. Post-harvest and processor biosecurity plans



Post-harvest and processors have and operate to a biosecurity plan:

- General hygiene
- Bins remove contaminants and sanitise
- Avoid contamination in transport
- Traceability
- Biosecurity awareness

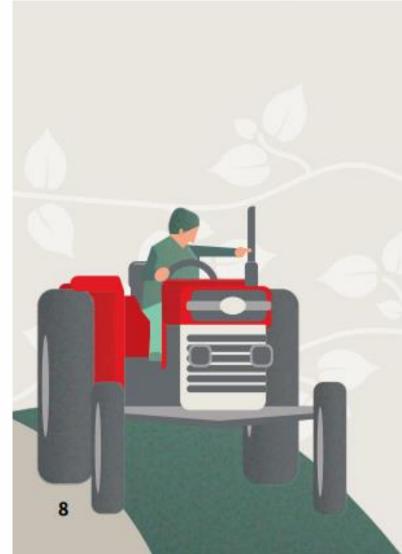
No change from current requirements

3. Orchard contractor biosecurity plans



Register with KVH
Have and operate to a biosecurity plan

- Description of pathway risks to be managed
- How they will manage these risks
- Steps taken to raise biosecurity awareness



Achieving implementation





CAV scheme

- Vine work pruning and other canopy work
- Harvest
- Spray application
- Fertiliser application
- Supply of labour for any of the above activities

Online portal

- Shelter trimming
- Orchard mapping
- Irrigation
- Infrastructure development
- Orchard mowing
- Pest monitoring
- Maturity clearance staff
- Technical advice
- Beekeepers
- Flower pickers
- Grafters
- Artificial pollen applicators

4. Organic matter inputs





1. Freedom from high-risk organisms

2. Traceability

5. Safe movement of plants

KVH KNOFFLIVINEHEALTI

O

O

- Register with KVH
- Traceability and record keeping
- Hygiene practices
- Monitoring
- Growing media requirements apply
- Any specific requirements for high-risk organisms
 - Plant material inputs
 - Testing
 - Crop protection



What does this mean for me?



If I'm	Change from current state	
KPCS nurseries selling kiwifruit plants	No significant changes	
KPCS nurseries selling kiwifruit and shelter plants	Shelter plants meet KPCS standard	
Non KPCS nurseries selling shelter plants to kiwifruit orchards	Meet equivalent level of biosecurity certification	
Moving mature plants	KPCS standard, no change from current requirements	
Sourcing plants	Source certified plants	

6. Safe movement of pollen

KVH NAMFERTVINEHEALTH

Flower suppliers

- Orchard operates to biosecurity plan
- Any specific requirements for high-risk organisms (Psa nondetected orchards)

Mills

- Register with KVH
- Traceability and record keeping
- Hygiene practices
- Source flowers from compliant suppliers

Suppliers

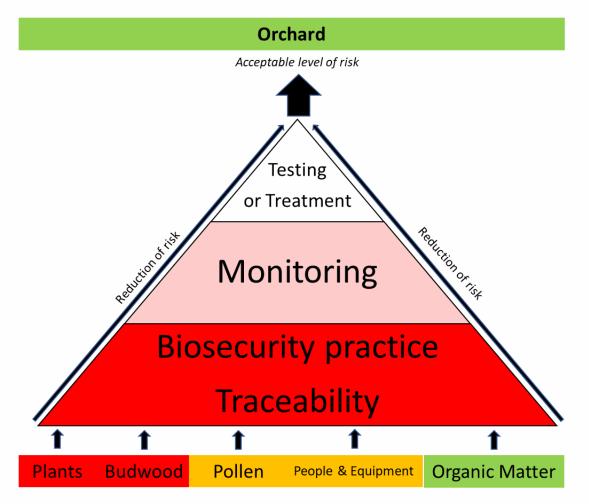
Registration and traceability





7. Safe movement of budwood

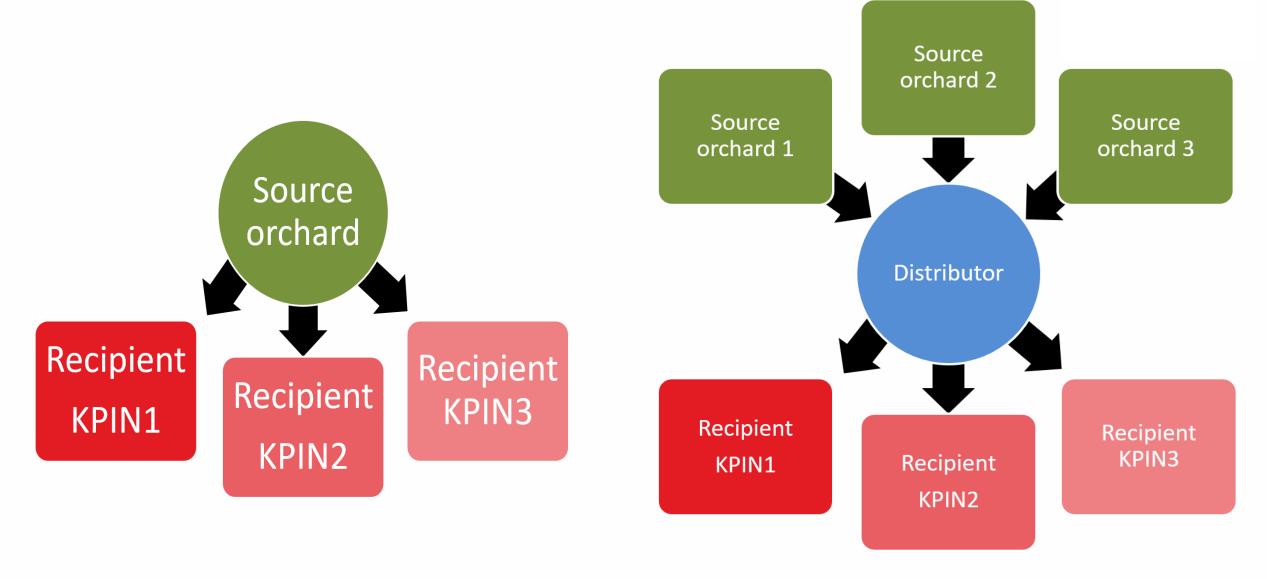




Input pathways and level of risk (unmitigated)

Requirement	Current State (NPMP)	Proposed (Pathway Plan)
Register with KVH	✓	✓
No requirements for use of budwood on same property	✓	✓
Target organisms for monitoring & testing	✓ Psa only	Based on risk & science
Collection from non- symptomatic vines only	✓ Psa based	✓
Tool hygiene requirements	✓	✓
No collection from cuttings on ground	✓	✓
Labelling and storage to prevent mixing	✓	✓
Traceability records	✓	✓
Certification under KPCS	Х	✓
Annual testing cost • Psa non- detected blocks	\$85 per block	\$85 per block
Audit cost		
SuppliersDistributors	\$0 \$0	\$0 \$200

Budwood distribution models





Information hub at kvh.org.nz



Quick and easy read:

Fact sheets

Case studies

Information for specific audiences



Detailed documents for those who want them



Available online and printed



Easy to use submission form



What else can we do?

Getting feedback