

REPORT AND RECOMMENDATIONS

NZ Plant Producers Designing solutions for plastic plant packaging



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Plastic Packaging Consultation

Introduction

This consultation document has been prepared by the NZPPI Plastics Advisory Committee (PAC), a leadership group that has been exploring ways to manage plastic waste in the plant production supply chain.

We wish to thank the committee members for their commitment and contributions: Vince Wylaars, Mary Duncan, Jane Straka, Scott Bromwich, Fiona Ryan, Amber Maisey, Julie Roberts, Steve Dunshea and Nikki Withington. Additionally, we wish to thank Sandy Botterill for her contributions from PlasticsNZ and CircularConnect who have supported our research to date and approved funding for our discovery phase. More recently we welcomed Marc Gaugler from Scion, Portfolio Leader for Distributed and Circular Manufacturing.

The Plastics Advisory Committee has completed the first year of its work programme. The Committee has identified opportunities to manage plastic waste that will enable our industry to meet its sustainability goals and new waste regulations that come into effect from 2024.

This report presents several recommendations and options for the industry to consider. These are just proposals, and we want to hear back from our members and stakeholders through a consultation process.

Focused primarily on plastic packaging, including plant pots, the Committee has prepared a number of proposals and options to support an industry led system for plastics that is based on the principles of the Circular Economy and Product Stewardship. This will be part of the network of initiatives underway in the primary industries, the plastics industry organisations and the community to reduce waste.

Many NZPPI members and stakeholders are already taking action to deal with plastic waste in their business and with their customers. It is important that they are supported to continue to do this in a simple and efficient way and to be recognised for their effort.

Consultation details

The Committee engaged extensively with industry during February and March 2023 through a series of workshops and interviews. Insights from this feedback are included in this report and have been used to shape the proposals and recommendations.

NZPPI now wants to hear your views on these recommendations. We encourage our members and stakeholders, the plastics industry, government agencies and the public to get in touch.

You can provide feedback by completing the survey on the last page of this document via the link provided. You can also contact us via phone or email to ask questions or provide your views and suggestions.

Email: office@nzppi.co.nz

Phone: Matt Dolan 0276229255

Plastic Advisory Committee members

Matt Dolan (Chair)	NZPPI
Karen Scott (Secretariat)	NZPPI
Amber Maisey	IP Plastics
Vince Wylaars	Zealandia Horticulture Ltd
Mary Duncan	Vibrant Earth
Jane Straka	Scrub Growers
Scott Bromwich	Daltons Ltd
Fiona Ryan	Daltons Ltd
Julie Roberts	Mitre10
Steve Dunshea	Mitre10
Sandy Botterill	Plastics Specialist
Nikki Withington	Square One
Marc Gaugler	Scion

What we are trying to achieve

The Plastics Advisory Committee is proposing a practical framework to manage plastic plant packaging in our supply chain.

The first priority is to establish a practical framework for the industry that provides options to manage plastics and that meets the new regulations. From there our industry will be on a continuous journey to remove and ultimately eliminate plastic waste from our supply chains.

NZPPI is committed to working with our members and stakeholders to find a solution and has prioritised this issue within our industry strategy and work plans. Our entire industry needs to be involved in this, so the proposed framework is industry led and voluntary, but with clear benefits for participation while discouraging inaction and freeriding.

Waste within the plants supply chain is very much in the spotlight. There is a strong message from NZPPI's members, the public and the Government that plastic plant pots, labels and trays need to be kept from going to waste in landfills.

This is a complex, challenging problem that will require strong leadership to guide change. Solving this problem will require our whole sector to get involved and commit to joint action. Without a credible solution and action this issue risks negatively impacting our industries credentials and social license. In time, we may also have regulatory costs and restrictions imposed on our industry.

It is encouraging to see new initiatives emerging in the industry among producers and retailers, but it is becoming clear from those running these initiatives they need more support to deal with the large quantities of plastic pots trays and labels from across the country in a more cost effective and practical way.

Recommending a practical and credible framework for plant packaging

This report includes recommendations from the Committee for a system to refuse, reduce, reuse and recycle plastic plant packaging as part of the broader system of industry schemes for agricultural waste and plastic packaging.

The framework must be practical, effective (including cost) and a better alternative than simply doing nothing and facing the cost and constraints of regulations and public pressure.

At this stage the proposed framework is high level, and we recognise that there is a lot more work ahead of us to build the business case, policies and guidelines for a future system. But there are a number of strategic choices and options that we must consider as an industry now before we commit to a solution.

The Committee has explored the design of a voluntary Product Stewardship Scheme for plant packaging, including plant pots, trays and labels. It has considered the options for managing plastic packaging that include, redesigning packaging, replacing plastics with alternative material, reducing plastics, reusing pots trays and labels, and recycling. These are all important in a future system.



Timeline

2018 NZ Plastic Packaging Declaration

The NZ Plastic Packaging Declaration was launched, part of the New Plastics Economy.

Global Commitment

In which corporations focus on building a low-emission circular economy for Aotearoa NZ by

- Designing out waste and pollution
- Keeping products and materials in use for as long as possible
- Regenerating natural systems

Committing to this requires businesses to use reusable/recyclable/compostable packaging; and move away from hard-to-recycle plastic packaging.

2019 Rethinking Plastics in Aotearoa NZ report was released

2020 Priority Waste Products

- Six Priority Products declared; the ones most relevant to this sector:
 - o plastic packaging
 - o agrichemicals and their containers
 - o farm plastics.
- Accreditation for large batteries, refrigerants and farm wastes are anticipated in 2023-2024.

2021 Waste Levies start to increase annually

- From \$10/tonne to \$60/tonne in 2024

Phase out of Problematic Plastic Packaging

- The Government started to phase out hard-to-recycle and single-use plastic items
 - o Stage 1 – Oct 2021 food and beverage packaging, including takeaway containers.
 - o Stage 2 – July 2023 produce bags, plastic straws and cutlery, non home-compostable fruit labels
 - o Stage 3 – Mid 2025 all other food and beverage packaging

2022 Rules for compostable packaging were announced

- The Ministry for the Environment announced that compostable packaging can only be dealt with alongside other compostable material like garden and food waste. It may not include plastic polymers that may contaminate the compost or soil (eg, produce labels).

2023 Standardisation of Kerbside Recycling and Waste strategy announcements

- Waste Strategy now has a vision out to 2050

Plastics Regulations

Waste Regulations

From 2024, regulations under the Waste Minimisation Act 2008 require that farm plastics and plastic packaging are part of a Government recognised Product Stewardship Schemes. These plastic materials are known as priority products and they must be part of a scheme that manages their collection and recovery to prevent it from being disposed of in landfill.

Product Stewardship Schemes must be operated in partnership with a government accredited Product Stewardship organisation (PSO).

There are two groups of priority products that are relevant to the plant production industry:

- **Farm Plastics**

All plastic wrapping materials including plastic wrap, netting, baling twine, plastic sacks for fertiliser, etc, protective nets, reflective ground covers, and other plastic containers.

In the future this list is expected to include a wider range of items, such as irrigation tube, crop covers, planter bags, growbags and guttering.

- **Plastic Packaging**

All packaging used for consumer goods at retail or wholesale, made of plastic resin codes 1, 2, 3, 4, 5, 6 or 7, singly or in combination, or any non-plastic material for retail sale. This covers plant packaging including plant pots, trays, labels, stakes, etc.

Partnering with a Product Stewardship Organisation

A key part of the development of a waste scheme is to partner with a government recognised Product Stewardship Organisation (PSO). The Waste Minimisation Act 2008 requires voluntary product stewardship schemes to be part of a recognised Product Stewardship Organisation.

The role of a Product Stewardship Organisation is to provide leadership and governance, undertake responsibilities such as the collection of funds (e.g. from a product levy), financial management, administration and promotion allocation of funds towards the schemes activities.

There are currently two recognised Product Stewardship Organisation's in New Zealand that could deal with plant packaging.

- **The Agrecovery Foundation**
Focused on farm plastics and waste.
- **Plastic Packaging Product Stewardship (PPPS)**
Focused broadly on plastic packaging (e.g. retail, food and industrial).

Note: The government has indicated that they prefer to have only two Product Stewardship Organisation's and are unlikely to appoint a new one in the foreseeable future.

Note also: It has been made clear that Product Stewardship schemes are required, not just recycling schemes. Product stewardship encompasses stakeholders throughout the whole industry and value chain to make decisions from sourcing through to end of life, rather than agreements between individual businesses.



Learnings and Insights

Our industry has a number of options about which plastics stewardship scheme to partner with.

- i. Should our industry manage plant packaging as single use plastic packaging and align with the Plastic Packaging Product Stewardship Organisation, which includes food and general packaging?
- ii. Should our industry categorise plant pots as farm plastics and work with Agrecovery alongside other farm plastics e.g. irrigation tubes, crop covers, mulch film, etc?
- iii. Should our industry work with both schemes as they are in development, to then make the best call on which scheme suits best for industry to join?

- The goal is not necessarily to remove plastics, but to treat it as a high value material that is protected and valued so that the cost and effort to recycle it is worth it.
- Engaging the top dozen suppliers of plastics packaging will likely cover 80 - 90% of the trade.
- A scheme should take into account the needs of different sectors, including horticulture, forestry /revegetation and greenlife / retail as well as councils, farmers, and growers.
- Take into consideration the benefits of plastics and opportunities for alternative materials. Develop criteria and a standard for the design and manufacture of alternative materials.
- Reduce the range of materials used for single-use items, such as labels and containers, and phase out pot materials that are not Polypropylene (Plastics #5).
- Explore options to recycle polyethylene planter bags (PB's). Reduce or remove PB's from supply chains if they can't be managed within an appropriate scheme.
- Obtain information from Plastics NZ about recycling capabilities and identify who can recover different types of plastic pots, including dark-coloured materials. Advocate to increase the recycling capabilities to collect and recycle coloured PP nationally.



Recommendations

The Plastics Advisory Committee has made five recommendations to the Plant Production industry to manage plastic plant pots, trays and labels.

These recommendations are based on advice and insights from the Committee members, advisors with expertise in plastics and packaging, stewardship and waste regulations, covering the following areas:

- i. Making recycling simple and accessible, including minimising cost.
- ii. Designing a framework that recognises good practice and participation.
- iii. Establishing partnerships with existing recognised Product Stewardship Organisations.

RECOMMENDATION 1

THAT: The plant production industry should pursue two separate strategies for managing plant packaging:

- i. A stewardship scheme(s) for plastics, including reduction, reuse & recycling.
- ii. Developing alternative materials to replace difficult to manage plastics over time.

RECOMMENDATION 2

THAT: Polypropylene (PP) is supported as the key plastic for plant packaging, including pots, trays and labels.

Polypropylene is a widely accepted plastic for use in packaging in the plant supply chain due to its durability and versatility and because it has a high scrap value for recycling. Adopting PP as the key material for plastic packaging would mean that materials such as polystyrene (PS) and high-density polyethylene (HDPE) would be phased out.

RECOMMENDATION 3

THAT: The industry should advocate for the ability to recycle plant pots through the kerbside collection system.

Achieving this would require that Councils allow plastic plant packaging to be accepted in kerbside collection and using equipment that is able to detect and sort material made with carbon black pigments. This would require a commitment from industry to move towards Grey/Green pots to assist with collection sorting.

RECOMMENDATION 4

THAT: The principle of shared responsibility is adopted.

This means that responsibility for establishing and maintaining the stewardship system is shared across all of the participants in the sector. Free riding, where businesses take advantage of a scheme without contributing financially, must be discouraged from the start and kept to a minimum.

RECOMMENDATION 5

THAT: Participation in the stewardship framework is voluntary.

The government defines product stewardship programs as either mandatory, co-regulatory or voluntary under the Waste Minimisation Act 2019. It is recommended that our industry builds a system that includes voluntary inclusion, with strong drivers for participation.

Finding the Best Solution

Clearly define the problem

Focus on users: Undertake a needs analysis. Find out what members are already doing and what they need in the future.

It was apparent working towards a solution was a key priority for a number of businesses with many taking the initiative to make a positive change.

It was identified that closed loop recycling and plastic elimination via alternate material pots are key focus areas. Future needs identify plastic as a valuable source, particularly narrowing down plastic to one type (polypropylene – PP, Plastic #5) and the need for more research into biodegradable pots. The analysis identified the need to diversify into two separate working groups:

- 1) Recycling
- 2) Alternate materials

Identify opportunities and solutions

Generate ideas: Explore ideas and solutions that meet the needs of our members. Develop a business case based on the best solutions.

Thank you to the wider NZPPI members who contributed time and their knowledge to the plastics workshops. The consolidated feedback (over the page) identifies possible solutions that meet the different needs of the three industry sectors.

- 1) Revegetation
- 2) Horticulture (Food production)
- 3) Greenlife / Retail

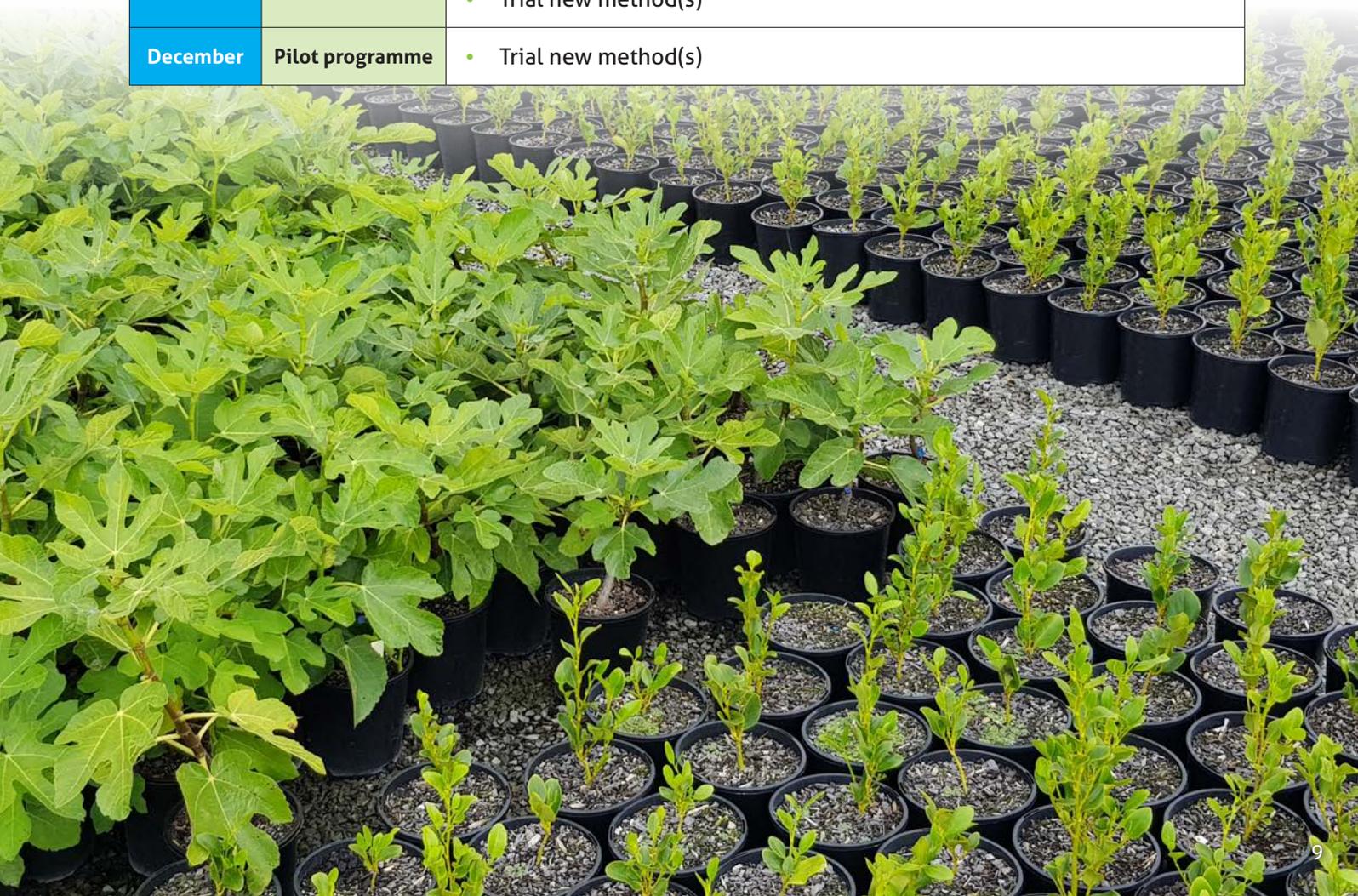


Waste Minimisation Hierarchy assessment – consolidated feedback

Hierarchy Tier	Comments	Revege	Hort-Food Production	Retail - Greenlife
Eliminate	- Bareroot planting (currently there's an SFFF project on this)	X		
	- Phase out materials other than (5) PP eg (1) PET and (6) PS	X	X	X
	- Make pot labels compatible to recycle as they can be waste to landfill/environment	X	X	X
	- Paper pots	X	X	
	- Grow in field		X	
	- Biodegradable options eg hessian		X	
	- Hydroponics or wooden trays		X	
Reduce	- Paper pots (some nurseries have been using these for a long time with great results eg better growth and survival rates, as there is less transport shock, they can drop straight in and have more roots). They use significantly less plastic eg 2% vs 100%	X	X	
Reuse	- Reusing pots/trays in some nurseries is possible	X	X	X
	- Reusable nursery trays	X	X	
	- As long as pots stay in the system, there is no difference between reusing in the nursery vs. going to sites (just a different boundary on how big the system is)	X	X	X
Recycle	- Eliminating plastics other than (5) PP will help create scale and less risk of contamination	X	X	
	- Grey pots instead of black, so they are detectable in automated Material Recovery Facilities that accept them, and they are optically (Near Infrared) sorted	X	X	X
	- Currently the preferred method due to convenience			X
Compost	- Fertile/Jiffy pots (made from recycled paper and wood pulp)	X	X	
	- Organic paper pots	X	X	
Recover waste	- There are stockpiles of pots that could be cleared out in a first instance	X	X	X
	- Focussing on solutions based on the waste minimisation hierarchy in a top-down approach can help eliminate single use plastic waste in the most impactful ways	X	X	X

Workplan 2023

Now	Stage 1 ends	<ul style="list-style-type: none"> Share analysis findings – NZPPI Conference – Distribute to all members Survey to gather data on recommendations/options
June	Consultation	<ul style="list-style-type: none"> Member survey open
July	Consultation	<ul style="list-style-type: none"> Member survey open Survey close date 31 July 2023
August	Survey analysis	<ul style="list-style-type: none"> Collate data Share results from consultation
September	Make decisions	<ul style="list-style-type: none"> Appoint Product Stewardship Organisation Request applicants for next work phase
October	Establish guidelines & policies	<ul style="list-style-type: none"> Confirm new working group(s) Establish strategy(s) Apply for funding via CircularConnect Phase 2: Feasibility and Development
November	Pilot programme	<ul style="list-style-type: none"> Engage stakeholders Trial new method(s)
December	Pilot programme	<ul style="list-style-type: none"> Trial new method(s)



Alternatives to Plastic Pots

Degradable pots offer another choice for plant production.

Paper pots

Paper pot propagation systems, such as Ellepot and FibreCell (previously known as Lanam) are well-established in commercial plant production. A range of different perforated papers are available in different sizes and grades, for seedlings and cuttings through to larger grades for trees and shrubs. Papers are machine made into long tubes, filled with potting media, and sliced into the desired length. A range of nursery equipment is available as well as various automation options for dibbing, seeding, watering, and transplanting.

Adopters of the system have found there is a need to adjust watering and use a different potting mix than in trays, tailored to the species, production system, and infrastructure.

Trials in New Zealand nurseries have found many species have faster growth rates in paper pots, including native trees. At Titoki Nursery in Nelson, plantable grades of matai (*Prumnopitys taxifolia*) seedlings can be produced in just one season. Southern Woods Nursery in Christchurch halved the growing time of *Sophora* from seed, traditionally taking 18 – 20 months in tray systems down to 8-10 months in paper pots. Native grasses previously took 3 – 4 months to grow and can now be ready after only 1 month in paper pots. The faster growth is thought to be due to increased air flow around the roots, and natural air pruning of plant roots results in a more complex root system.

Lynwood Avocado Nursery in Whangarei have been trialling Ellebags as a replacement for plastic Planter Bags (PBs) in their avocado tree production. The entire pot can be planted in the ground with the tree, with minimal



Ellepot bag trial at Lynwood Avocado Nursery Ltd, 2022.

disturbance to the roots. Paper pots do not have the same ability to retain water as plastic, so experimentation was needed to adjust the watering and fertilising programmes. Their small-scale trial has now expanded to a trial of approximately 1500 trees, which will be field planted in the coming season and tracked during tree establishment phase.

Promising results have also been found in the forestry sector. Dr. Craig Ford worked on trials at Scion and found paper pots could reduce radiata rooted cutting production time to about 6 months and not have any impact on field survival in growth. It could pave the way for double cropping, but the idea needs testing more broadly. Craig also found the plants held up well in mechanised planting and survival and growth was promising.

Peat pots

Peat pots were first marketed in the 1950s as a sustainable alternative to plastic and are popular for home gardeners. They have a good ability to retain moisture, can help minimise transplant shock and decompose, usually within a growing season. However, they can rip when handled and are not compatible in many commercial plant production potting systems.

Hemp & Wool biodegradable bags

Retted hemp and wool are the most environmentally friendly fabrics currently available and is one of the strongest and most durable of all-natural textile fibres.

Several versions of hemp and wool biodegradable bags are available in the market, e.g. The Wool Pot, with more in development.

HABBAG™ Biodegradable Nursery Systems is being developed by Sis (Sarah) Johnston – owner of the Gorge Nursery in Oxford, and Jean-Michel Libeau of Lincspun Textile Group. It is a blend of hemp and wool which allows the roots to be air pruned as they grow through the wall of the bag, encouraging a more fibrous root system. The tree or shrub can be planted in the ground, and the roots can grow quite freely through the bag as it rots down in the soil. Saving on hand-weeding in production,

HEMWOOL™ geotex mats have been developed using the same materials for placement inside the bags as a weed suppressant. The geotex mats help regulate the surface temperature of the bag/pot, allow penetration of water and nutrients, and good circulation of air and have natural nutrients which get released into the plant: nitrogen, sulphur, sodium, potassium, and magnesium.

The mats last up to two years so can be re-used and speed up dispatch as the weed mat can be removed prior to dispatch.

Bioplastic pots

Moving towards renewable sources of materials is an essential element of New Zealand establishing a circular bioeconomy. Plastics are associated with environmental impact across their life cycle, from the extraction of fossil fuels as a feedstock to the generation of microplastics. The environmental impact is a significant challenge for plant pots, as most of the 350 million pots used in New Zealand every year are frequently made from oil-derived polypropylene and are typically unsuitable for kerbside recycling due to soil contamination.

One approach to tackling this problem is to create plastics from renewable resources (bioplastics) and ensure that they naturally break down or compost (biodegradable). Bioplastics are plastic



HABBAG™ Biodegradable Bags



The Wool Pot™

materials produced by directly processing natural biopolymers (starch, cellulose, proteins) or biologically through a fermentation process utilising microbes. The advantages of using bioplastics include the utilisation of waste, the reduction of energy, and the reduction of greenhouse gas emissions. Tree-based cellulose products, for example, have the benefit of carbon-sequestration of the growing tree up to the point of harvest. The challenge is ensuring physical performance characteristics and cost.

Addressing this problem, PolBionix working with Scion has developed a plant pot made from biopolymers (sugarcane, cassava and corn) and a unique bio-filler. These pots are set to be commercially available in New Zealand for the 2023 planting season, do not produce

microplastics and have been designed to break down immediately after planting to release carbon dioxide. By fine-tuning the formulation using extrusion and composite fillers, the product properties have been tailored to the product application and provide cost advantages of the pot acting as a fertiliser for the plant as it composts. Confidence in the green credentials comes from extensive analysis performed at Scion's accredited biodegradation testing facility. The pots have been tested with three commercial nurseries, and Auckland Council are currently trialing them in some planting locations.

Alec Foster

Portfolio Leader Bioproducts and Packaging Scion



Updates on Industry Initiatives



Kings Plant Barn Recycling station

Each Kings Plant Barn store has a “Swap-a-Pot Recycling Station” crate available for customers to bring in their washed plastic plant pots to be collected and used by other customers or recycled with plastic plant labels. Stores also have collection points for washed soft plastics including empty compost or soil mix bag. Through a partnership with FuturePost, these are recycled into fence posts and raised garden beds.

Kings Plant Barn is committed to other sustainable initiatives including working collaboratively to support community education about gardening and sustainability, composting collection points for Nespresso coffee pods and garden green waste. They are also trialling hybrid electric vehicles for staff, including delivery vans.

Kings Plant Barn Stonefields – NZ’s most sustainable garden centre



Mitre10 Pot Recycle Scheme update

Mitre 10’s ‘Pot Recycle’ scheme has made significant progress since its launched in November of 2021. By the end of October 2022, 1 million plant pots had been collected and recycled. Which equates to 19 tons of plastic being diverted from landfills. The scheme has been expanded to include plant labels as well as plant pots which have the plastic ID 5.

The Pot Recycle scheme, in collaboration with Zealandia Horticulture, the Recycling Group and Pact Plastics is a closed loop system. They reached their full-circle recycling goal with the first shipment of plants in pots recycled through the scheme in September 2022.

How to participate: Clean your ID 5 plastic pots and labels and drop them into the Pot Recycle crate at your local Mitre 10. <https://www.mitre10.co.nz/potrecycling>





Garden City Plastic & Daltons

GCP has worked with APCO to develop and pilot its Closed Loop Plastics scheme to recover and reuse polypropylene plant pots from nurseries, landscapers and home gardeners. GCP is working with Daltons in NZ to include pots recovered in NZ in the scheme. Daltons collect used PP pots from nurseries, landscapers, and selected retail customers across NZ. These will be recycled and returned to GCP to feed into their Closed Loop Plastics scheme.



Future Post

Future Post produces 100% recycled fence posts and landscaping products using waste plastic types 2, 4, 5, 6 and 7, all diverted from national landfill. The company started producing posts in Auckland almost five years ago, with a second factory opening mid year 2023 in the South Island to meet demand for both recycling and recycled products. Made using innovative, NZ designed machinery, the unique process creates UV stabilised posts that are proven not to rot or leach, as strong as timber equivalents, are impenetrable to moisture, insects and fungi and hold organic certification. Future Post enables partners to fully close the loop on their sustainability journey.

Have Your Say – Survey Questions

We value your input and your feedback to help us design the best system for our industry. Please follow this link to complete the questionnaire online https://nzppi.formstack.com/forms/plant_packaging or phone or email to ask questions or provide your views and suggestions.

Phone: Matt Dolan 0276229255

Email: office@nzppi.co.nz

Give us your feedback on the following options.

- 1. The plant production industry should pursue two separate strategies for managing plant packaging.**
 - a) A Product stewardship scheme for Recycling plastics, including reduction, reuse & recycling.
 - b) Guidance to develop alternative materials to replace difficult to manage plastics over time.
- 2. Polypropylene (PP5) should be supported as the key plastic for plant packaging, including pots, trays and labels.**
- 3. The industry should advocate for the ability to recycle plant pots through the kerbside collection system.**
- 4. The principle of shared responsibility should be fundamental. Responsibility for establishing and maintaining the stewardship system should be shared across all of the participants in the sector. Free riding, where businesses take advantage of the scheme without contributing financially, must be discouraged and kept to a minimum.**
- 5. That participation in a stewardship framework for plastic packaging is voluntary.**

Tell us about your own experiences and initiatives

- a) Are there any initiatives or efforts in place to reduce plastic usage in the nursery?
- b) What challenges have you faced in reducing plastic usage in the nursery?
- c) Would you be willing to pay more for non-plastic alternatives? If yes, how much? %
- d) How do you dispose of used plastic products? (e.g., landfill, recycling, reuse, etc.)
- e) Have you received any customer feedback regarding your use of plastic products?

Our Members

Our work is made possible through the funding and support of our members, who are at the centre of everything we do.

Changing how we source and use plastics in our industry requires everyone to get involved. Please support the businesses that are contributing to this work and encourage others to become involved so that we can all move forward together.

Producer Members

Acers Unlimited NZ Limited
 Alter-Natives Nursery & Landscaping
 Ambrosia Nurseries Ltd
 Amore Roses
 Annton Nursery Ltd
 Appletons Tree Nursery Ltd
 Arcadia Plants
 Ardmore Nurseries Ltd
 Awhitu Landcare
 Baker Boys Wholesale Nursery
 Beaumont's Nurseries Ltd
 Black Bridge Nurseries
 Blue Mountain Nurseries
 Butler Nursery
 Clarks Nursery
 Clevedon Nurseries
 Coastlands Plant Nursery Ltd
 Container Nurseries Ltd
 Fern Factor Ltd
 Fruitcraft New Zealand Ltd
 Full Bloom Nursery Ltd
 Garden Barn Ltd
 Genesis Nurseries Ltd
 Goodfeed Limited
 Goughs Nurseries
 Growing Spectrum New Zealand Ltd
 Hahei Plants Ltd
 Harrison's Country Gardenworld Waikanae
 Hill Nurseries Ltd
 Horohoro Native Tree Nursery
 Icon Trees
 Infracore Ltd
 Kauri Park
 Kereru Gardens
 Kings Plant Barn HQ
 Kiwi Colour Ltd
 Kiwiflora Nurseries
 Korimako Habitats
 Kumanu Environmental
 Kumeu Garden Hub
 L.E. Cooke Nurseryman Ltd
 Landscape Essentials
 Leacroft Nurseries Ltd
 Lifetech Laboratories Ltd
 Liner Plants NZ Ltd
 Lowlands Nursery
 Lynwood Avocado Nursery Ltd

Magnolia Grove
 Mangawhai Natives
 Maryflower
 Millfield Nursery
 Minginui Nursery
 N.M Floriculture
 Native Awa Ltd
 Native Garden Nursery
 Naturally Native New Zealand Plants
 Natures Creation
 New Zealand Delphiniums
 Nga Rakau Nurseries
 OE Nursery Wanganui Prison
 Opihi Nurseries Ltd
 Ormond Nurseries Ltd
 Paan Banaraswala
 Palm Garden Limited
 Plant Hawke's Bay
 Porirua City Council - Sievers Grove Nursery
 Pukerau Nursery
 Rainbow Park Nurseries Ltd
 ReForest Native Plants and Seeds Ltd
 Riversun Nursery Ltd
 Robinson's Nursery Ltd
 Rural Design
 Sanctuary Mountain Maungatautari
 Sandfire Seedlings
 Scott Base Nurseries
 Scrub Growers
 Southern Woods Nursery Ltd
 Tawa Road Native Nursery
 Te Arai Native Nursery
 Tharfield Nursery Ltd
 The Gorge Nursery
 The Little Big Tree Company
 The Wild Nursery Limited
 Tiaki Nga Wai O Hokianga
 Titoki Nursery
 TKEMKT
 Totara Glen Nurseries Ltd
 Treeline Native Nursery
 Trents Nursery Ltd
 Twining Valley Nurseries
 Van Lier Nurseries Ltd
 Vibrant Earth Ltd
 Vine Nursery New Zealand Ltd
 Waimea Nurseries Ltd
 Weka Nurseries
 Zealandia Horticulture

Industry Partners

Acacia Bay Garden Centre	Just Plants Limited	Mitre 10 Mega Papanui	Palmers Pakuranga
Advanced Hort Ltd	Kaimai Garden Centre	Mitre 10 Mega Petone	Palmers Plimmerton
Aeroview Garden Centre	Kii Tahī Limited	Mitre 10 Mega Porirua	Palmers Remuera
Alfie's Plant Barn	KingGrapes Ltd	Mitre 10 Mega Pukekohe	Palmers Rotorua
Ambius	Kiwi Flora Ltd	Mitre 10 Mega Queenstown	Palmers St James
Aorangi Bulb Nurseries Ltd	Kiwi Labels Ltd	Mitre 10 Mega Rangiora	Palmers Tauranga
Auckland Council (and Botanic Gardens)	Lushingtons Garden Gift & Café	Mitre 10 Mega Rotorua	Palmers Welcome Bay
Aussie Winners Pty Ltd	Lyndale	Mitre 10 Mega Ruakura	Palmers Whangarei
Berhampore Nursery & Otari WCC	Lyndale Custom Mix Limited	Mitre 10 Mega Takanini	Payless Plants
Big Jim's Garden Centre	Mackie's Garden Centre	Mitre 10 Mega Taupo	PhilStic Labels Limited
Bloomfields Garden Centre	Masons Garden Centre & Nursery	Mitre 10 Mega Tauranga	Phocas Consulting
Blueskin Nurseries Ltd	Matau Garden Centre	Mitre 10 Mega Te Awamutu	Place for Plants
California Home and Garden	Mitre 10 (NZ) Ltd	Mitre 10 Mega Te Rapa	Plant & Food Research
Campbell's Garden Centre	Mitre 10 Alexandra	Mitre 10 Mega Timaru	Plant Zone Direct
Carine Garden Centre & Water World	Mitre 10 Beachlands	Mitre 10 Mega Upper Hutt	Plantarama Garden Centre
Church Street Garden Central	Mitre 10 Beckenham	Mitre 10 Mega Wanaka	Plantorama Garden Centre
Clareville Nursery and Garden Centre	Mitre 10 Crofton Downs	Mitre 10 Mega Wanganui	Plants on the Move Ltd
Concept Botanica Ltd	Mitre 10 Cromwell	Mitre 10 Mega Warkworth	Portstone Garden Centre
Daltons Ltd	Mitre 10 Dannevirke	Mitre 10 Mega Westgate	Primary ITO
Data Harvest	Mitre 10 Feilding	Mitre 10 Mega Whangarei	Proseed
David King - Plant Nursery Consultant	Mitre 10 Gisborne	Mitre 10 Morrinsville	Pūnui River Care
Decor Gardenworld	Mitre 10 Gore	Mitre 10 Motueka	Redwoods Garden Centre
Eastwoodhill Arboretum	Mitre 10 Helensville	Mitre 10 New Plymouth	RhodoDirect
Egmont Seed Company Ltd	Mitre 10 Hokitika	Mitre 10 Onehunga	Roselands Pets & Plants
Elysian Plants Ltd	Mitre 10 Kaitiāia	Mitre 10 Opatiki	Selmes Garden Centre
Erlon Limited	Mitre 10 Kairikeri	Mitre 10 Otorohanga	Springvale Garden Centre
Flora and Co	Mitre 10 Martinborough	Mitre 10 Papamoa	Stanmore Farms
FRANKLIN AGRITECH	Mitre 10 Marton	Mitre 10 Taumaranui	Striks Nurseries
Gammans-Granulated Bark & Potting Mix	Mitre 10 Matamata	Mitre 10 Te Anau	Subime Nursery Limited
Garden Edge	Mitre 10 Mega Albany	Mitre 10 Te Puke	Sunhill Garden Centre
Get Growing Garden Supplies Ltd	Mitre 10 Mega Ashburton	Mitre 10 Waihi	Syngenta Flowers
GoodToGrow NZ Ltd	Mitre 10 Mega Botany	Mitre 10 Waiuku	T&G Global
Green Harvest Pacific Ltd	Mitre 10 Mega Cambridge	Mitre 10 Westport	Te Ngāhere Ltd
Greenery Hire	Mitre 10 Mega Dunedin	Mitre 10 Whakatane	Te Pūkenga T/A Toi Ohomai
Greymouth Garden Centre	Mitre 10 Mega Ferrymead	Mitre 10 Whangaparaoa	Terra Viva Home & Garden
Groconut Ltd	Mitre 10 Mega Glenfield	Mitre 10 Winton	The Garden Depot Levin
Grow Landscape & Lifestyle	Mitre 10 Mega Greymouth	Needful Things - Home & Garden	The Garden Depot Napier
Growell Ornamental Plants	Mitre 10 Mega Hastings	New Plymouth District Council, Pukekura Park Fernery	The Reference Publishing Co Ltd
Harrisons Trees 2020 Ltd	Mitre 10 Mega Henderson	Ngaire George Sustainability Centre	The Tree Company Limited
Headford Propagators	Mitre 10 Mega Hornby	Ngarua Blueberries Ltd	The Urban Garden
HEDGE Garden Design & Nursery	Mitre 10 Mega Invercargill	Nick Martin Floriculture	TNZ Growing Products Ltd
Hire Plants Ltd	Mitre 10 Mega Kapiti	Norwood Ind Pty Ltd	Transflora
ICL	Mitre 10 Mega Manukau	Ouruhia Nursery Ltd	Tranzplants Ltd
InfoServices	Mitre 10 Mega Marlborough	Outer Space Landscape Company	Tumbleweed Coastal Plants Ltd
Intelligro	Mitre 10 Mega Masterton	Outside In	Twigland Gardeners World Limited
Invercargill City Council Nursery	Mitre 10 Mega Mt Wellington	Pacifica Home and Garden	Unique Environments Limited
	Mitre 10 Mega Napier	Palmers Albany	Wacky Weka
	Mitre 10 Mega Nelson	Palmers Hamilton	Wal's Plant Land
	Mitre 10 Mega New Lynn	Palmers Head Office	Wanganui Garden Centre
	Mitre 10 Mega New Plymouth	Palmers Miramar	Warren Engineering Ltd
	Mitre 10 Mega Oamaru	Palmers New Plymouth	Woodend Nurseries
	Mitre 10 Mega Palmerston North		



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