

# Greater Value in Global Markets - Current projects

- Integrating Value Chains
- Product eutrophication footprinting
- Credence attributes on farm
- Indicator Working Group
- Trust and Social License
- Matrix or Drivers project

# International and domestic drivers likely to impact on land use practice and/or change

| Agricultural and Trade Policy        | <u>Air Quality</u>                   | Animal Health and Welfare    | Authenticity and Traceability    |
|--------------------------------------|--------------------------------------|------------------------------|----------------------------------|
| <u>Biodiversity</u>                  | <u>Biosecurity</u>                   | <u>Brand</u>                 | Carbon Emissions Trading Schemes |
| <u>Chemical Residues</u>             | <u>Climate Change</u>                | <u>Country-of-Origin</u>     | <u>Cultural Values</u>           |
| <u>Demographics</u>                  | <u>Digital Communication Systems</u> | Environmental Condition      | Extreme Weather Events           |
| Family and Community                 | <u>Food Safety</u>                   | <u>Functional Food</u>       | GHG Emissions                    |
| GM and Nanotechnology                | <u>Innovative Products</u>           | <u>Local Food/Food Miles</u> | Organic Production               |
| Pasture-Based Production             | <u>Precision Agriculture</u>         | Product Quality              | <u>Religion</u>                  |
| Social Responsibility and Fair Trade | <u>Soil Quality</u>                  | <u>Sustainable Supply</u>    | Waste and Recycling              |
|                                      | Water Footprinting and Use           | <u>Water Quality</u>         |                                  |

# **Indicator Working Group**

- They are acting as central source of indicator information
- They are in the middle of our TempAg workshops
- They held a TSARA policy-makers workshop.
- The 3rd report -- on the NZ Sustainability Dashboard is complete
- They are getting some traction with data.govt to hold some of the data for open use.

### **Product Eutrophication Footprint** (AgResearch)

<u>Driver:</u> EU Product Environmental Footprint (PEF) initiative, which may become a requirement for supply

<u>Aim:</u> Develop internationally-agreed Eutrophication indicator compliant which is NZ-relevant <u>Approach & Progress</u>:

Case study: Taupo Beef supply-chain scenarios being tested versus EU beef

Meta-analysis suggests EU consumers willing to pay ~30% premium for beef with low env. impact (but highly variable)

Working with EU researchers in developing globally-relevant BUT site-specific freshwater eutrophication indicator

Sandra Payen is co-chairing the UNEP/SETAC Task Force on global Eutrophication and Acidification indicators

### **Integrating Value Chains**

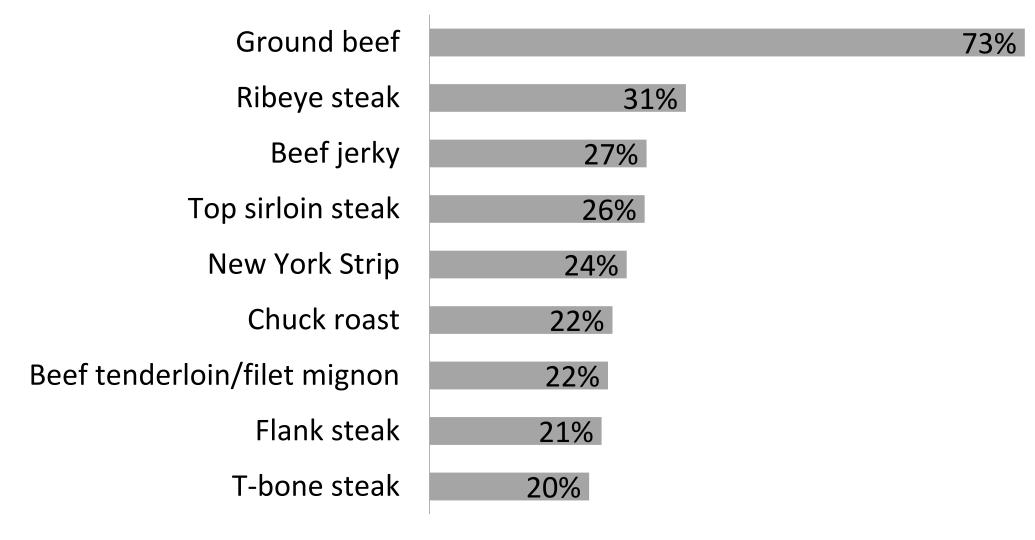
- A) Consumer surveys
- Kiwifruit and yoghurt in China
- Beef and wine in California
- B) Consumer related issues including the use of new technologies for traceabilty, consumer information and authenticity.
- C) Market Oriented Value chains that have potential to influence land use practice looking at factors which facilitate and enable value to flow down the value chain to producers

# NZ Export Market Consumer Preference Surveys: Beef in California

Peter Tait
Caroline Saunders
Paul Dalziel
Paul Rutherford
Tim Driver

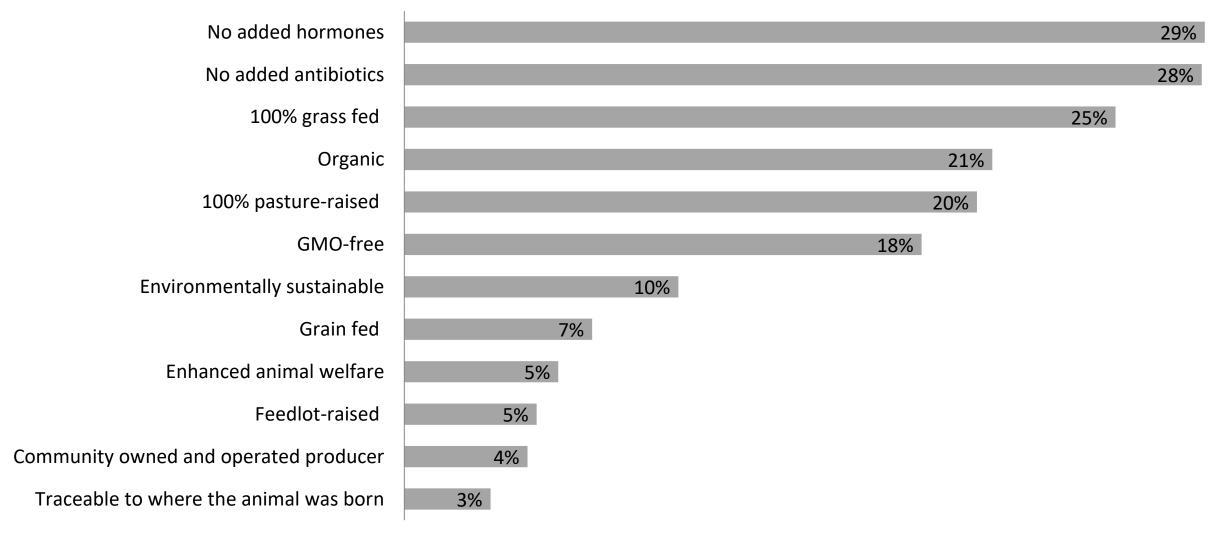


## What beef products have you purchased in the last month?



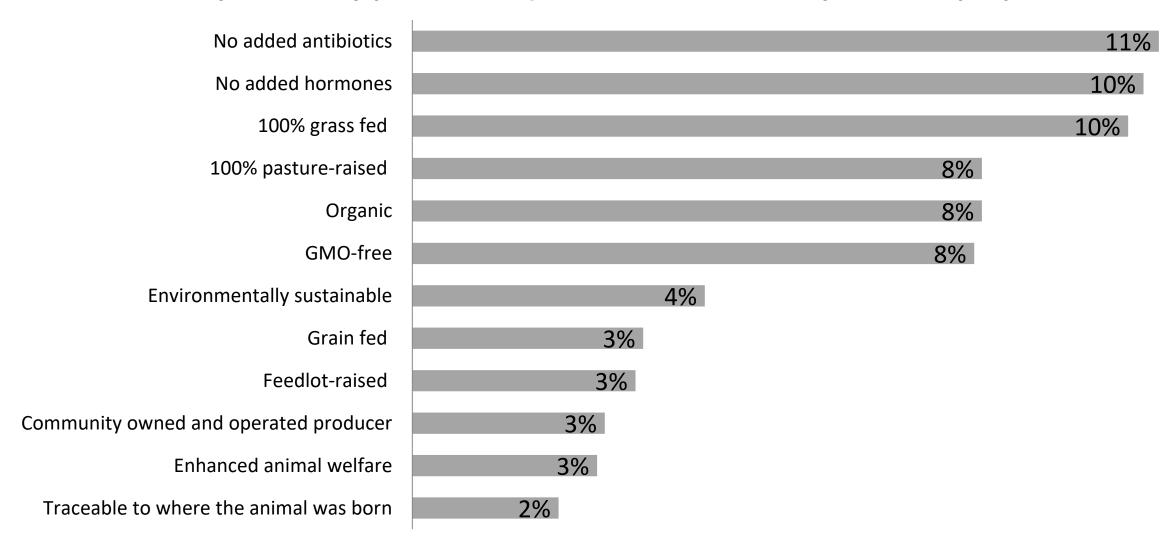


#### Do you usually purchase ground beef with any of these properties?



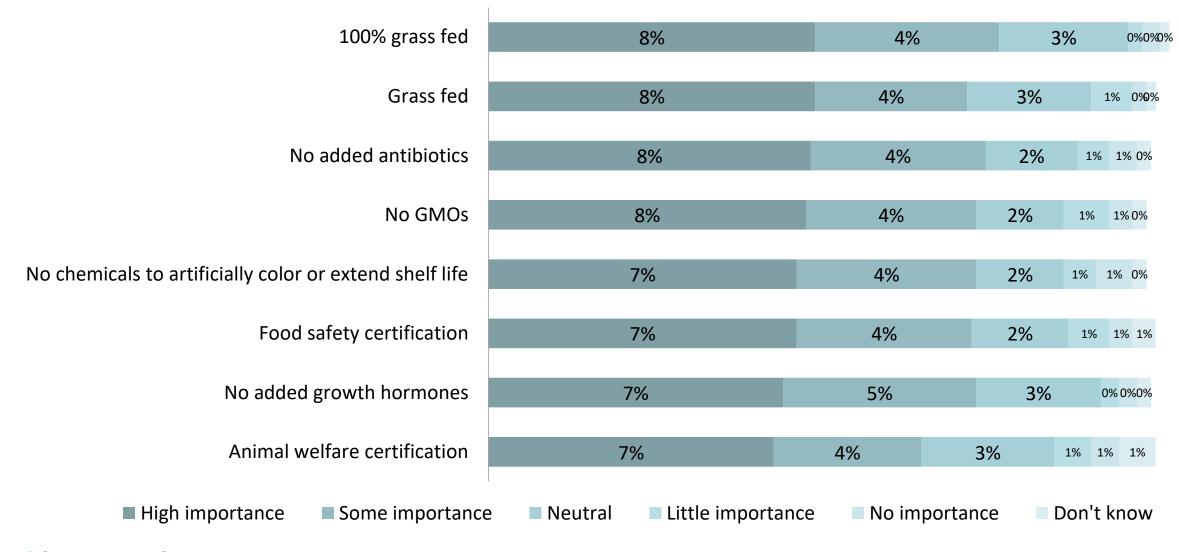


#### Do you usually purchase top sirloin steak with any of these properties?



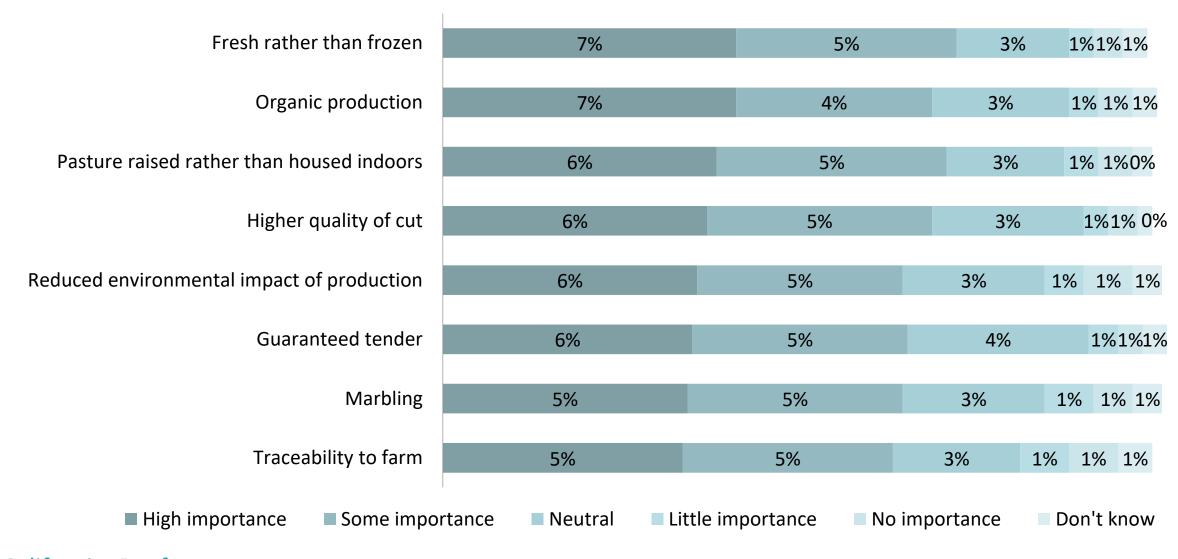


#### Why did you purchase New Zealand beef?



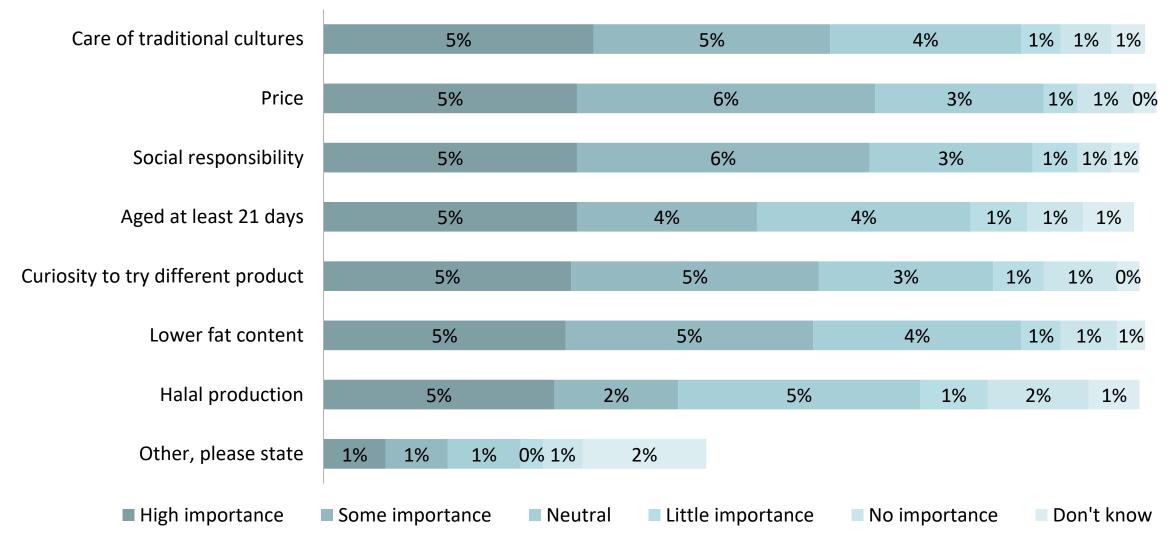


#### Why did you purchase New Zealand beef?



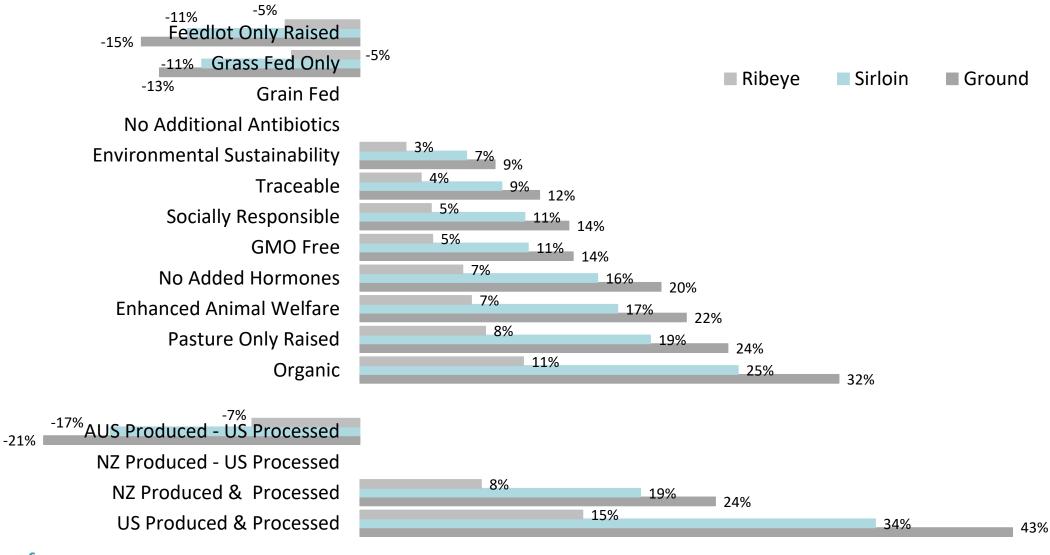


#### Why did you purchase New Zealand beef?





#### **WTP** as Percentage of Average Price



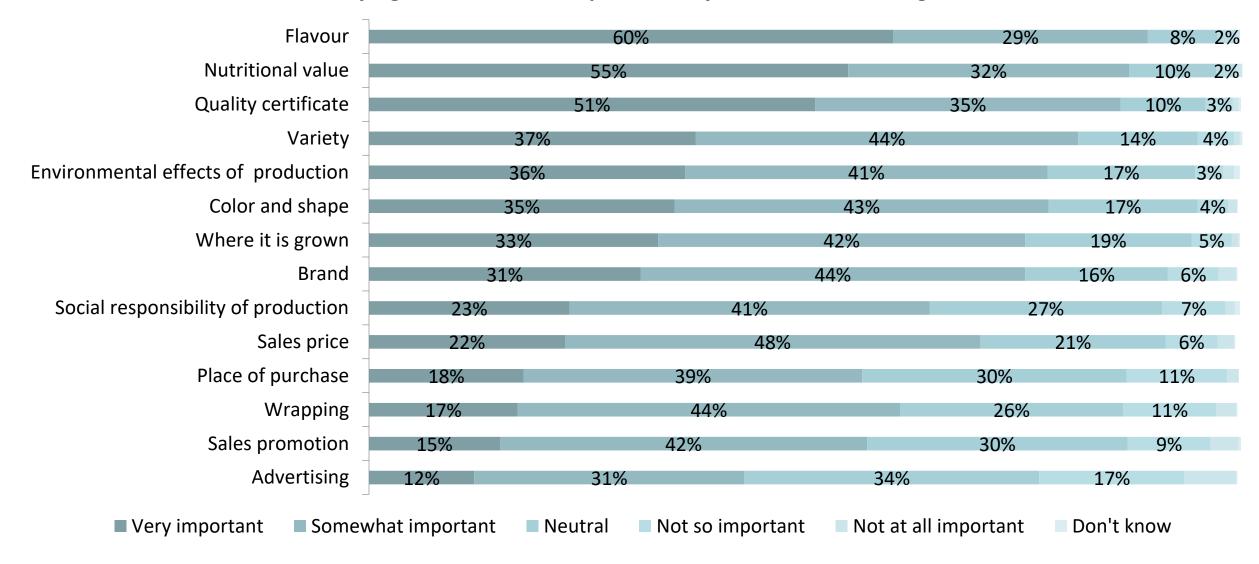


# NZ Export Market Consumer Preference Surveys: Kiwifruit in Shanghai

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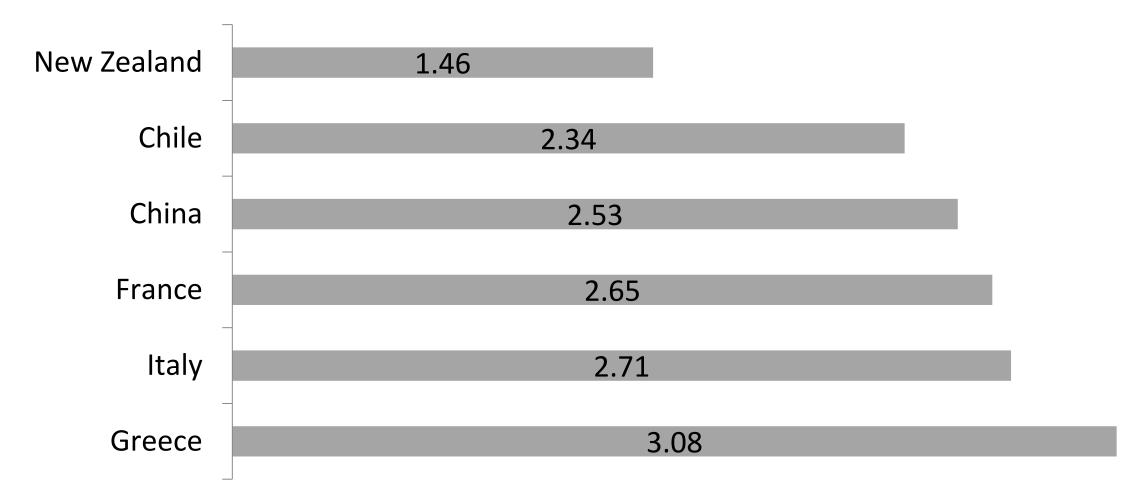


#### When buying kiwifruit, how important to you are the following factors?



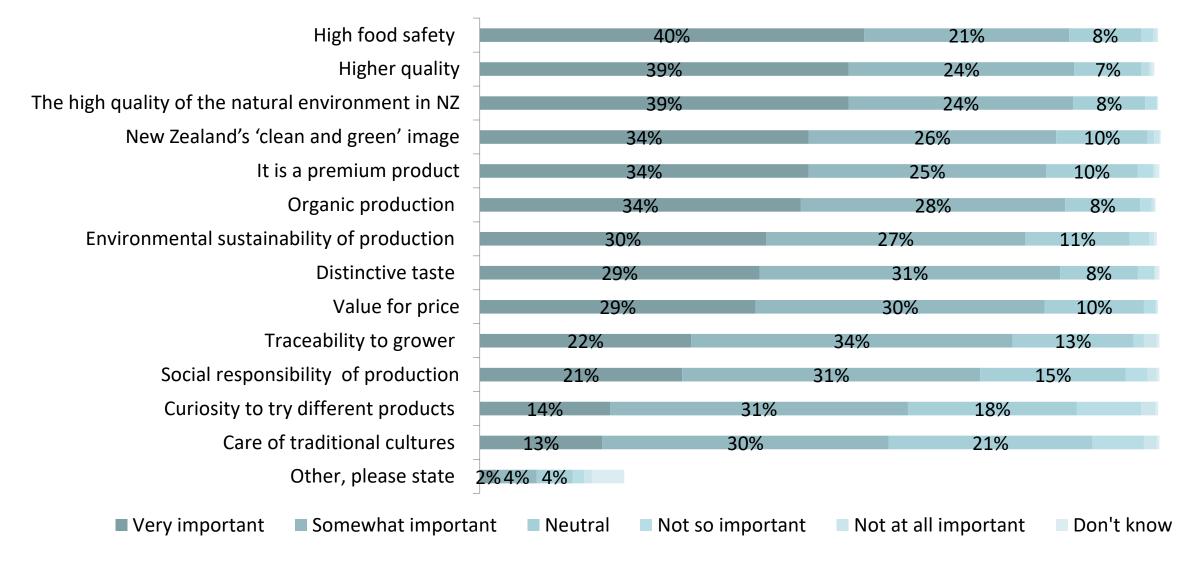


# Which countries do you think produce the highest quality kiwifruit?



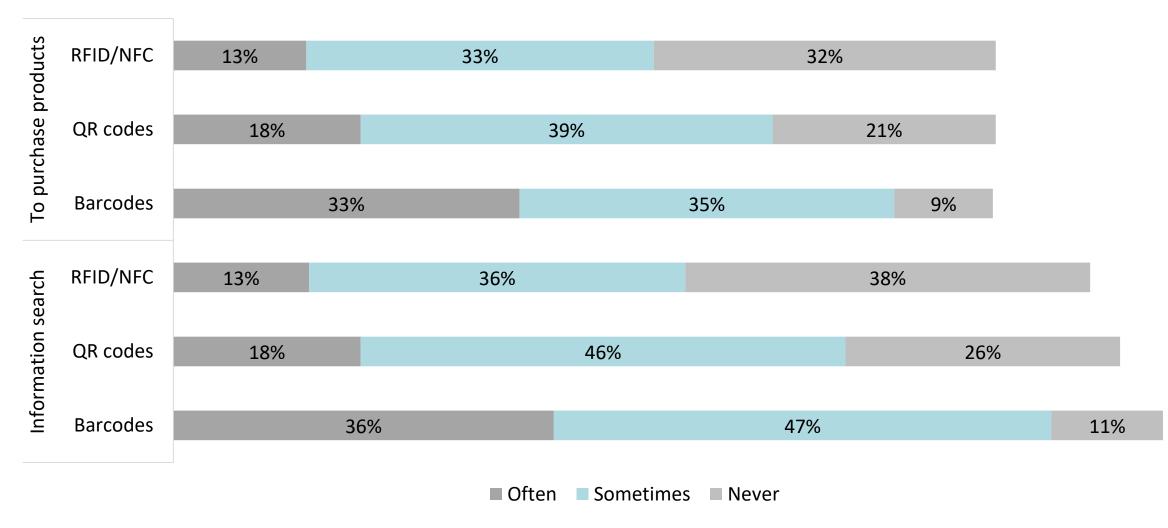


#### Why did you purchase New Zealand Kiwifruit?





# Have you ever used any of the following technologies in conjunction with your smartphone to search for kiwifruit product information or purchase kiwifruit products?





## Next steps

5 case studies to test success factors for market orientated value chains

- Ngāi Tahu Pounamu
- Taupo Beef
- Kono wines
- NZ Mānuka honey
- Taste Zespri
- Competed over the next six months