



# Building Confidence Based on Test Results

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# Multi Residue Testing

## CONTENT

- Testing for certification
- Risk Assessment
- Sample Collection
- What are we testing for?
- Confidence and Value
- Coles Results FY 14 – Today!

# Multi Residue Testing

WHY ARE WE TESTING?

## Test for Certification?

- Do we have an MRL certificate
- Is it a Pass or a Fail
- Will it be acceptable to pass my Audit
- Will anybody notice if it is not present
- Should I do a retest for the records
- How is this GAP/GMP?
- What are we trying to prove





# Multi Residue Testing

## RISK ASSESSMENT

- What are the risks you should consider?
  - Crop type
  - Harvest frequency
  - Weather conditions
  - Trends on finds
  - Applications
  - Harvest Intervals
  - Neighbours activities etc etc
- Where do you sit in the supply chain? What difference does this make in your assessment of Risk?
  - Farmer targeting an issue
  - Supplier / Grower relationship
  - Grower history and trends
  - IPM or reduction programs
  - Changes to the farm practices etc etc



# Multi Residue Testing

## SAMPLE COLLECTION

- How do we collate samples “Who and When”

Don't underestimate how important this is!

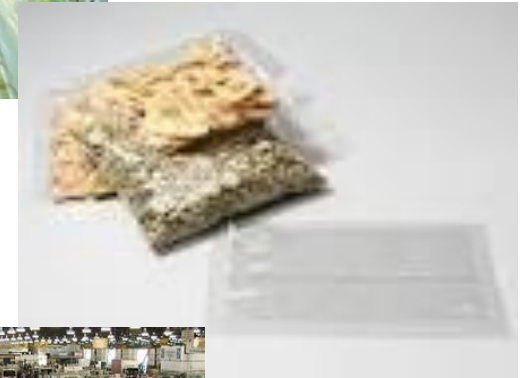
Cross contamination risks

Traceability issues

Residency time in the supply chain

Who do we ask for recommendations on how to sample

- How can we get this to be on farm and part of the crop being harvested?
- How do we get confidence that the testing is to validate actions rather than to prevent sales?



# Multi Residue Testing

## WHAT ARE TESTING FOR?

- Are we checking for the active ingredients being applied
- Is it easier not to look and simply hide from the facts
- What are auditors looking for to answer the question of annual testing, why? Does it help?
- How much targeted analysis is being undertaken

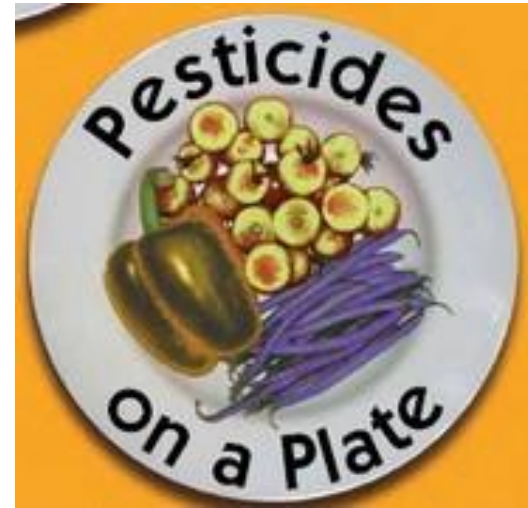




# Multi Residue Testing

## CONFIDENCE

- What do we do with the results
- Should we be more focused on our testing?
- How can we improve the perception messages?
- Customer expectation is for “Safe Food”
- Name and Shame! Why?



# Multi Residue Testing

## WHAT TESTING HAVE COLES DONE

FY	Samples	Residues tested	GREEN (<50% MRL)	AMBER (>50% MRL)	RED (>MRL)
14-15	187	33,978	33,961	5	12
15-16	144	26,640	26,621	11	8



# Multi Residue Testing

## WHAT HAVE WE FOUND

RED RESULTS					
Product	Residue	Amount	units	MRL	Exceedance
FY15-16					
Basil	Fenamiphos	0.150 mg/kg			0 >MRL
Beetroot, Bunching	Chlorpyrifos	0.061 mg/kg			0.01 610.0%
Beetroot, Bunching	Chlorpyrifos	0.046 mg/kg			0.01 460.0%
Lettuce (Iceberg)	Dithiocarbamates	5.2 mg/kg			5.0 104.0%
Lettuce (Iceberg)	Thiabendazole	0.018 mg/kg			0 >MRL
Lettuce (Iceberg)	2-phenylphenol	0.016 mg/kg			0 >MRL
Mango KP's	2-phenylphenol	0.022 mg/kg			0 >MRL
Snow peas 3kg	Sulfoxaflor	0.022 mg/kg			0 >MRL
FY14-15					
Asparagus, Green Bunched	Permethrin	0.032 mg/kg			0 >MRL
Broccoli	Paraquat	0.064 mg/kg			0.05 128.0%
Cabbage, Drumhead	Boscalid	8.3 mg/kg			2 415.0%
Coriander	Malathion	0.100 mg/kg			0 >MRL
Eggplant	Chlorpyrifos	0.084 mg/kg			0.01 840.0%
Grapes, Flame seedless	Dimethoate	0.170 mg/kg			0.1 170.0%
Mango	Azoxystrobin	0.560 mg/kg			0.5 112.0%
Mushrooms	O- phenylphenol	0.310 mg/kg			0 >MRL
Parsley	Chlorpyrifos	0.240 mg/kg			0.05 480.0%
Parsley	Oxadixyl	0.030 mg/kg			0 >MRL
Pay choy	Triadimenol	0.490 mg/kg			0 >MRL
Tomato field	Ethephon	6.6 mg/kg			2 330.0%

Thank You!!