Contamination Prevention in the Manufacture of Crop Protection Products

The application of Contamination Prevention is critical at all levels of an organization.
This Presentation is Made on Behalf of

CropLife International

and its Corporate Members

June 2014
Contamination Prevention

What are the CropLife Requirements?

Ensure that...

✓ No extraneous active ingredients are present in products
✓ In compliance with legal requirements and local legislation
✓ External Manufacturers are provided adequate information to adhere to the requirements
Contamination Prevention
An Actual Example Of An Incident

The situation....
✓ Rush order for a bulb treatment fungicide
✓ Product formulated
✓ Unlabeled flex hose used for transfer, previously contained a herbicide
✓ Crop treatment failed
✓ Claim filed, expensive court case and loss of a customer

It is Preventable
Contamination Prevention
What Should Management Do?

The requirements apply to CropLife Member Companies and external manufacturers.

- Company Expert Appointed
- Good Housekeeping
- Training and Awareness
- Application of Requirements and Best Practices
- Confidentially of Exchanged Information
- Resource Availability

Ensure ...
Contamination Prevention

What is Needed?

Applying the following requirements in multi-product facilities will mitigate the risks

- Separation of herbicides and non-herbicides
- Avoid cross contamination with rework
- Clear labelling
- Documented Risk Assessments
- Cleaning procedures and analytical methods

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What is Needed?

**Additional Requirements**

- Promptness in Clean out
- Refillable container maintenance
- Portable equipment must be dedicated
- Assess common raw material vessels

**Define Residual Cleaning Limits**

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Make it Sustainable

Keep all the Pieces Together
✓ Believe in the Philosophy of Contamination Prevention
✓ Do not become complacent
✓ Do not allow short cuts
✓ Build contamination prevention into the design
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June 2014