



PRESENTATION

Session: **Cotton Breeding, Production, Ginning**

Title: **Global Harmonization of Crop Protection in Cotton**

Speaker: **Dr. Imme Gerke**, IDRG.eu, Bremen, Germany

Presentations are available in the conference archive: <https://baumwollboerse.de/en/competencies/international-cotton-conference/speeches/>

Conference Organization

Faserinstitut Bremen e.V., Bremen, Germany. E-Mail: conference@faserinstitut.de

Bremer Baumwollbörse, Bremen, Germany. E-Mail: info@baumwollboerse.de

Global Harmonization of Crop Protection in Cotton

Cotton
Decoded



Countries

Growing

Importing

Exporting

53

184

120



Insect pests

Diseases

Weeds

Total

660

109

835

1,604



1. **Insects, diseases** and **weeds** impact on the quality and quantity of cotton fibers and therefore need to be controlled.

2. **Cotton processors** need access to fibers of similar quality so that their equipment and their products can deliver to the various standards of their customers. Not only the pest organisms but also the **pesticides** used to control them impact on the quality of cotton fiber.

3. Before pesticides (Agchem or Agbio) are placed into the hands of farmers, **Governments** assess them for their **safety** to human and environmental health, and for their **efficacy**.

4. **Farmers** are only permitted to use products that are approved for use on cotton in the exporting country and as residues in cotton fibers in the importing countries. The use of a wrong product is either **illegal or risks** the rejection of the cotton shipment by buyers and importers. **Farmers** therefore need to control the access to products provided to them.

5. The challenge of product choice is very hard. **Farmers, processors and traders** of fruits, vegetables and field crops therefore, cooperate globally to ensure that farmers have the right products in place when they need them and where they need them.
Cotton should do the same.



1,604 pests x 3 products = 4,812 combinations

184 importing countries

1,604 pests x 3 products x 184 countries = 885,408 combinations

Products

Chemicals	1,416
Biologicals	226
Total	1,642

Companies

Chemicals	3,053
Biologicals	882
Total	3,935

6. The 3-step process is the following:

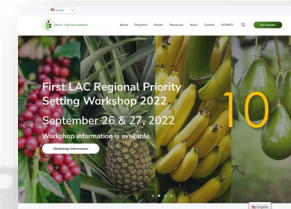
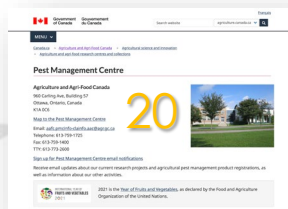
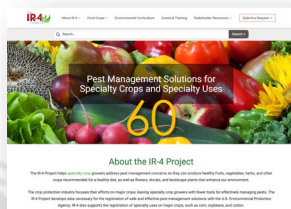
(1) creating the list of all pests/product/company combinations for the protection of cotton worldwide,

(2) sorting the list by country into product available, product not approved for cotton and product not available at all, and

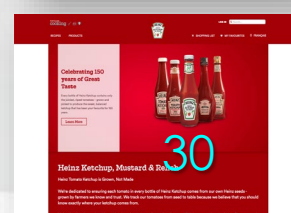
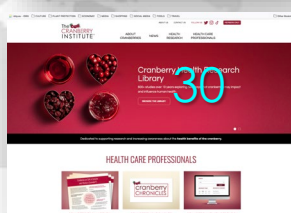
(3) making the information publicly available to governments, companies and scientists to resolve the chaos and the challenges of farmers, processors, traders and the environment.



Coordination of
farmer requests



Independent
farming groups



?

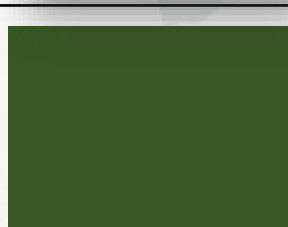
International
cooperation of
regulatory
authorities



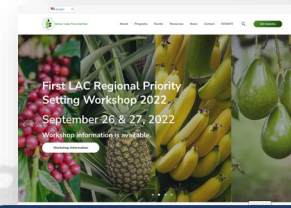
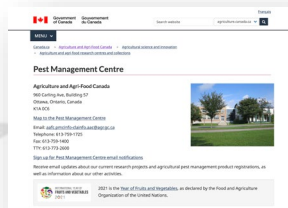
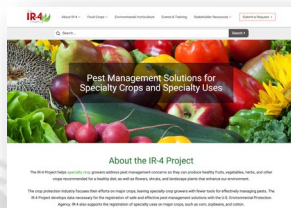
Regional
Authorities
(NAFTA, EU, WAPRC)

National
Authorities

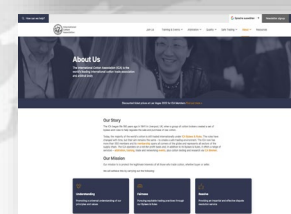
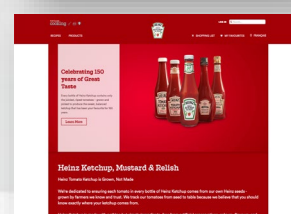
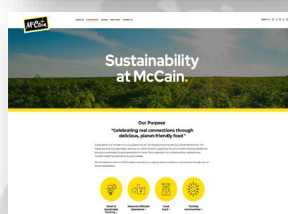
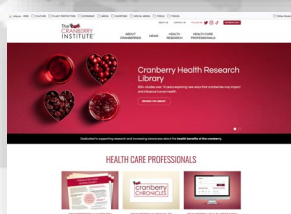
World view of
pests, products &
companies



Coordination of
farmer requests



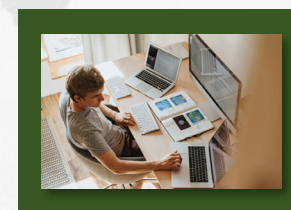
Independent
farming groups



International
cooperation of
regulatory
authorities



World view of
pests, products &
companies





Dr. Imme Gerke

www.IDRG.eu

Konsul-Smidt Str. 56
28217 Bremen
Germany

imme.gerke@idrg.eu
+49 176 634 88 606