

Overview and Progress on Minor Crops Program in Brazil

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Historical Chronology

- **Since 1990** - Brazilian Government internally discussing the matter
- **In 2004** - Was created by CTA - Nacional Pesticides Advisory Technical Committee, with members from 03 agencies:
 - **ANVISA** -> Health
 - **IBAMA** -> Environment
 - **MAPA** -> Agriculture and Livestock

Objective: Facilitate Pesticide registration for Minor Crops, according to international guidelines established and recognized by FAO and Codex Alimentarius.

References:

- The IR-4 project, USDA, and
- The Health Canada Pest Management Regulatory Agency (PMRA)

- **Feb/23/2010: INC 01/10** CTA - Advisory Technical Committee:
- **Joint Norm Instruction #1/2010 publication**, setting initial Minor Crops botanical groups and cultures.
- Further amendments, with new cultures and botanical groups, only would be possible with all 03 agencies juridical approval.
- The Norm set rules, filters, with technical criteria, aimed at the record of less toxic products for the minor crops. Eg: The active ingredients of toxicological classes I and II, which are 52%, are forbidden to be extrapolated for minor crops, using the norm, cause it will be used with backpack sprayer, which is the main form of application in minor crops by small producers and the idea is to protect them.

- Because of that, it is very limited the number of active ingredients available for extrapolation to small farmers of minor crops in Brazil.
- To extrapolate for Minor Crops, the industries need to move in old dossiers, already approved with active ingredients for Major Crops, and they were afraid to prejudice their ongoing business, because it could demand new studies, conducted in GLP.
- The growers of minor crops were afraid to join in and expose themselves, due to their “involuntary illegality”, as they are using in their cultures active ingredients that are registered only for others cultures in Brazil.

GMUS 2 - GLOBAL MINOR USE SUMMIT, FAO, ROME

OCT/26/2011: 1ST NATIONAL MINOR CROPS PESTICIDE REGISTRATION MEETING - REPLICATING IN BRAZIL THE IR-4 MEETINGS - ALL STAKEHOLDERS TOGETHER, PRESENTING AND DISCUSSING THE DEMANDS OF THE SECTOR.

FEB/21/2012: **GMUS-2 GLOBAL MINOR USE SUMMIT**, FAO, ROME. LUIS EDUARDO PACIFICI RANGEL, AGRONOMIST, GENERAL COORDINATOR OF PESTICIDES, MINISTRY OF AGRICULTURE - MAPA, INVITED ME TO GO WITH THE BRAZILIAN PARTICIPANTS TO REPRESENT THE GROWERS.





ANVISA

Agência Nacional de Vigilância Sanitária



MEMORANDUM OF UNDERSTANDING BETWEEN BRAZILIAN HEALTH SURVEILLANCE AGENCY (ANVISA) AND USDA's (IR-4 PROJECT)



Agriculture and Agri-Food Canada

Agriculture et Agroalimentaire Canada

MEMORANDUM OF UNDERSTANDING BETWEEN THE NATIONAL HEALTH SURVEILLANCE AGENCY OF BRAZIL AND THE DEPARTMENT OF AGRICULTURE AND AGRI-FOOD CANADA pertaining to pesticides and reduced-risk pesticides for priority pests common to Brazil and Canada.



❖ **IR4 and PMC Sign of the Memorandum of Understand (MOU).**

Highlighted the importance of growers to engage the process for registration the active ingredients for minor crops.

➤ **Nov/03/2012: 2nd National Minor Crops Pesticide Registration Meeting in Brazil.** Technical groups created with growers participation (National Agriculture Confederation – CNA) and CTA, at MAPA (Agricultural Ministry) - Sectoral Chambers.

➤ **Goal:** Create the “Success Case” of extrapolation for minor crops, using Norm Instruction #1, that will become a model for all growers and industries to join in, clarifying the advantages of it, removing doubts, learning together and solving the issues

1ST MINOR CROPS WORKING GROUP MEETING



- Jul/30/2013: 1st Minor Crops Working Group Meeting
- Sep/01/2013: 2nd Minor Crops Working Group Meeting

Attendees: Health (ANVISA), Environment (IBAMA) and Agriculture (MAPA) agencies, Growers (National Agriculture Confederation – CNA), specialized registration companies and Industries.

National Agriculture Confederation – CNA

Needed to engage the process to succeed on the approval of a new norm #01/2014, GOALS:

- Improving the botanical culture groups and giving permission for the CTA, National Pesticides Advisory Technical Committee, to do technical analysis, approval and legal update of it in the future.
- Industries needed assurance that the extrapolation process for minor crops will not be used to move in old dossiers and it will not demand new studies, conducted in GLP, assuring no risks for Major Crops.

➤ Sep/30/2013: 3rd Minor Crops Working Group Meeting

- **Biological products for minor crops** could use **Joint Norm Instruction #1** to advance faster in record approval queue, as they do not need residue study and could include **all cultures** in a one-time extrapolation process!
- **No need of agronomic efficacy** reports for extrapolation for Minor Crops
- updated procedures assuring that the extrapolation for minor crops using Joint Norm Instruction #1 **will not prejudice the approved registers for major crops.**

Now registrants can move forward with more certainty as to the protocols.

➤ **Jan/23/2014: MICROBIOLOGICAL PRODUCTS ACT #06**
General Coordinator of Pesticides, of Ministry of Agriculture – MAPA: The microbiological products already registered to use, from now on, are legally allowed to use in any culture that has the same target, with no need to ask for new a register.

New microbiological products still need to ask for a new register, but it will be a fast track.

Immediately many of the biological products that were in the process were legalized!

- **Jul/16/2014: New norm #01/2014 approval**, bringing technical adjustments (Regrouping cultures and including new groups/cultures) that allowed the contribution of more than 60 product registration projects formulated by the pesticides registrants companies.
- **Oct/16/2014: GROWER NEEDS / WISH LIST / PROJECT STATUS.** Brazilian growers meeting with **MCFA - Minor Crop Farmer Alliance (USA)**, during PMA (Produce Marketing Association) Fresh Summit.

MCFA asked us to participate of international GMUS Working Group on Databases and Data Sharing, informing the top 25 register demands of Minor Crops representing cultures in Brazil (crops and possible defensive statements)

- **Nov/05/2014: Minor Crops Working Group Meeting at National Agriculture Confederation – CNA**

- **Jan/27/2015:** National Agriculture Confederation – CNA starts with 50 leaderships the leveling process of current scientific knowledge that attests the insignificant level of residues found in fruits and vegetables does not compromise the health of the population.
- **Jan/28/2015** - **2nd National Minor Crops Pesticide Registration Meeting in Brazil.** Then National Agriculture Confederation – CNA start to collect the list of growers MRL's demands for Minor Crops and sent it to Health (ANVISA), Environment (IBAMA) and Agriculture (MAPA) agencies and all Industries and continue to monitor the projects on process till it gets registration approval.

The Current Challenge is to register or extrapolate, as soon as possible, active ingredients for Minor Crops, that are being monitored in surveys of Brazilian Pesticide Residue Monitoring Program, P.A.R.A. from Anvisa. for which they can not make the records using filters, and which may not have alternatives yet, that can be extrapolated, keeping producers in the involuntary illegality!

National Agriculture Confederation – CNA hope to get worldwide benchmarking of solutions for that issues here at the Global Minor Use Workshop

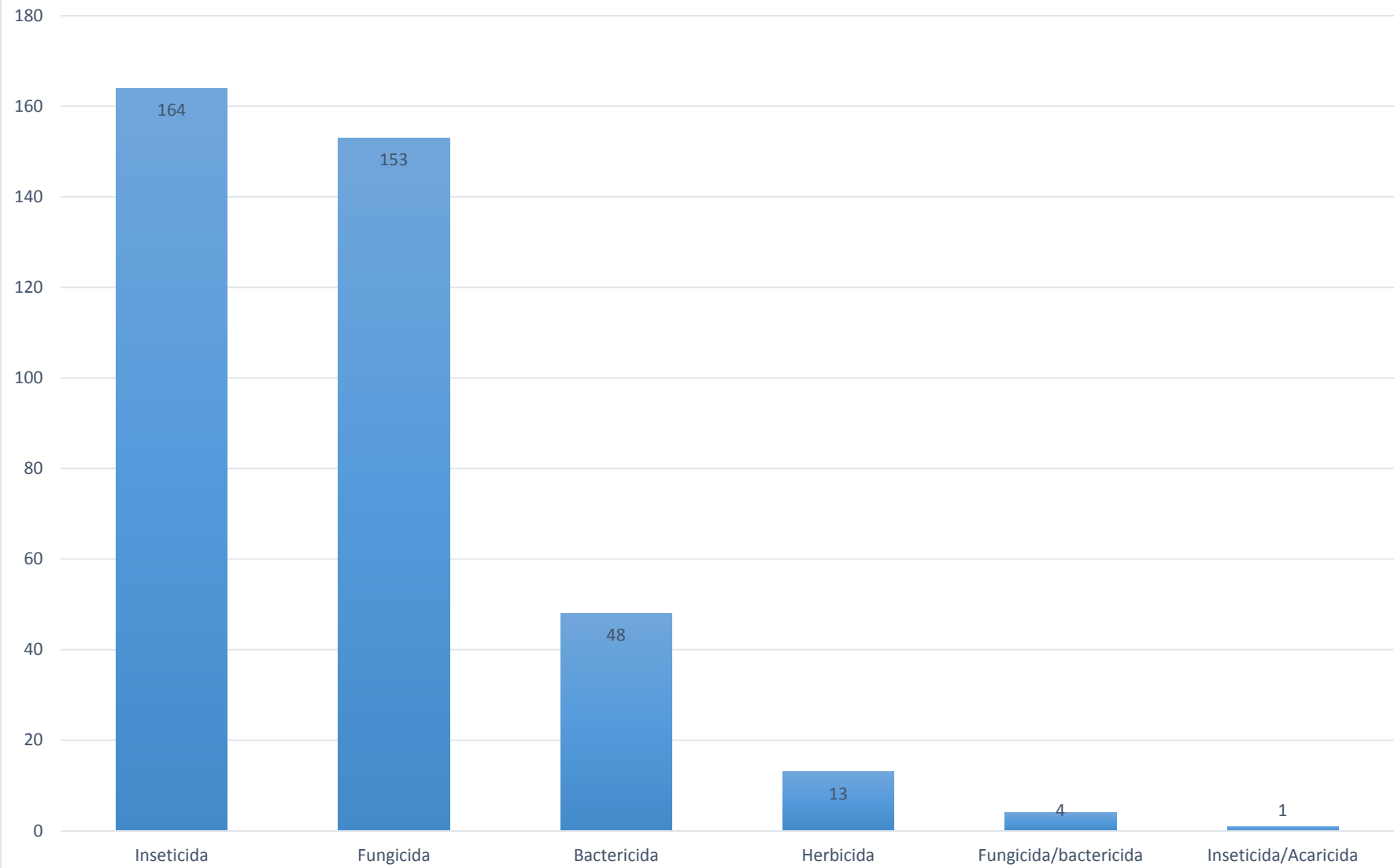
- **Till Sep/04/2015:** 730 new Maximum Residue Limits (MRLs) had been evaluated established and extrapolated, in 383 diverse cultures, especially fruits and vegetables considered Minor Crops.

registration projects	registration approved	projects on process	All cultures included	All targets included
58	41	17	383	730

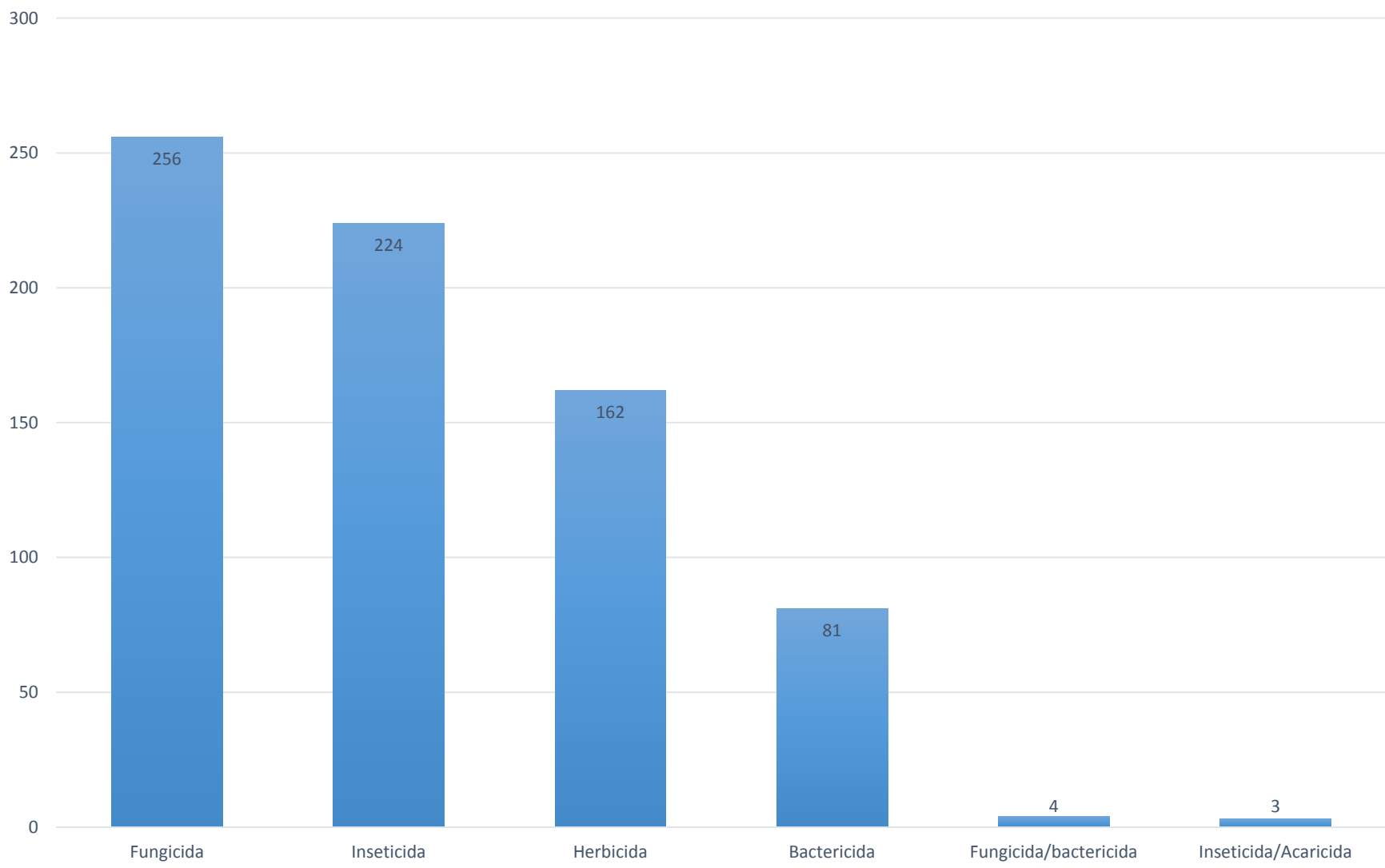
Active Ingredients registered for Minor Crops in Brazil

Acibenzolar S-Metílico (2)	Carfentrazona-etílica (2)	Diflubenzurom (8)	Indoxacarbe (27)
Alfa-cypermethrin + Teflubenzurom (34)	Kasugamycin (51)	Dimetomorph (18)	Lambda-cyhalothrin (45)
Azadiractin (24)	Cyazofamid (8)	Sulfur (2)	Mandipropamid (11)
Azoxistrobin + Difeconazol (11)	Clethodim (15)	Fluasifope-p-butyl (7)	Metolachlor(2)
Beta -cipermetrin (21)	Clorantraniliprole (16)	Fludioxonil + metalaxyl-m(2)	Teflubenzuron (23)
Potassium Bicarbonate(16)	Benzalkonium chloride(5)	Flumioxazine (3)	Thiabendazol (8)
Boscalid (18)	Chlorfenapyr(5)	Flutriafol (42)	Zeta cypermethrin (1)
Boscalid + Kresoxim-Methyl (14)	Propamocarb hydrochloride + Flupicolida(18)	Copper hydroxide(17)	
Buprofezin (24)	Propamocarb hydrochloride + fenamidone(11)	Imazamox (2)	

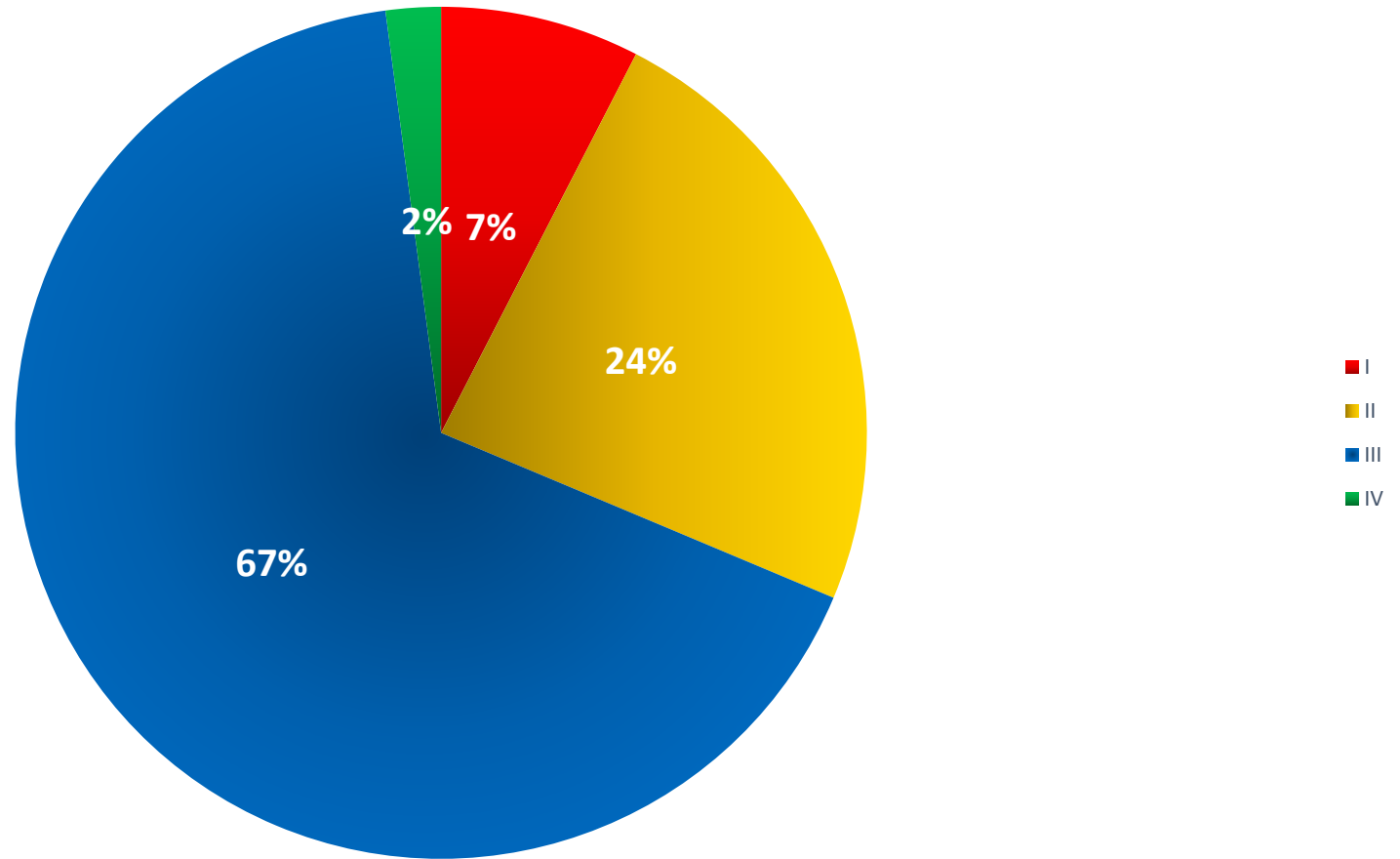
Culture inclusion for agronomic class



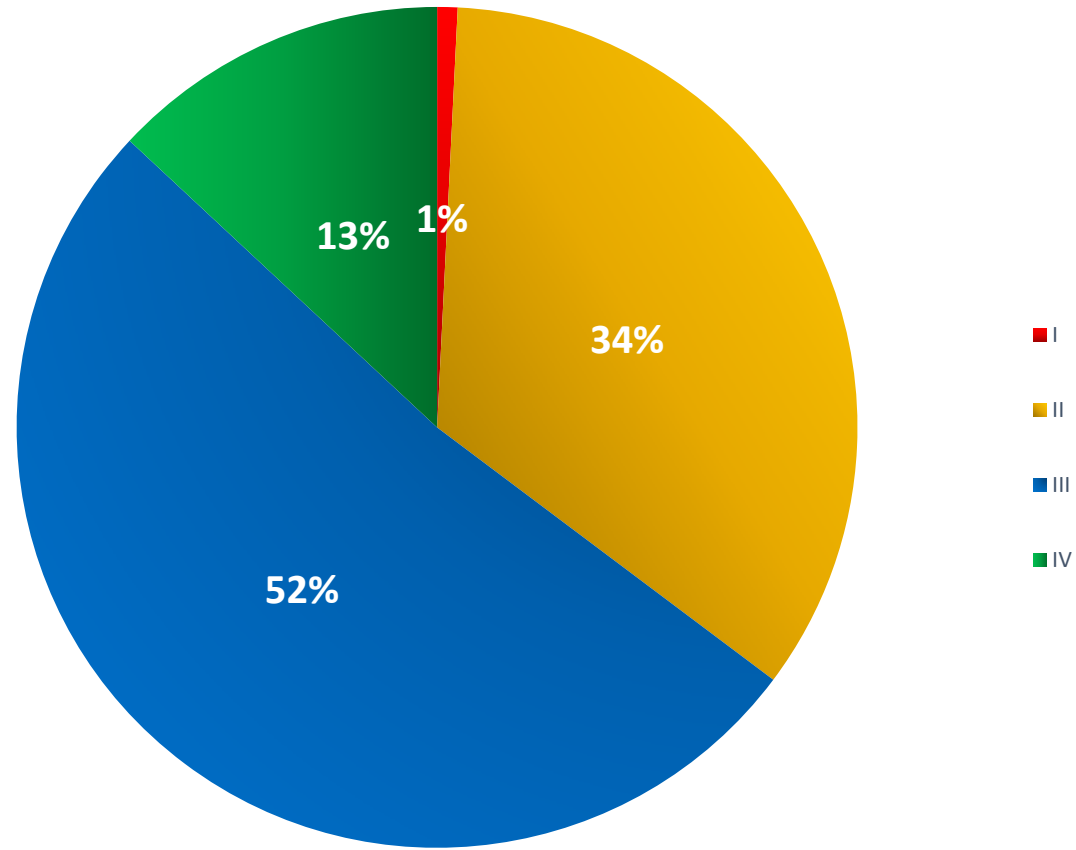
Target inclusion for agronomic class



Culture inclusion by toxicological class product



Culture inclusion by environmental class product



Thank you very much!

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