Agricultural chemical use by Grower Groups

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GRDC Grains Research & Development Corporation

R&D Viewpoint

- GRDC Pathways project
  - Primary objective:
    - Improve access to priority chemical based pest management solutions
  - Outcome
    - Increased availability of pest management options

R&D Viewpoint

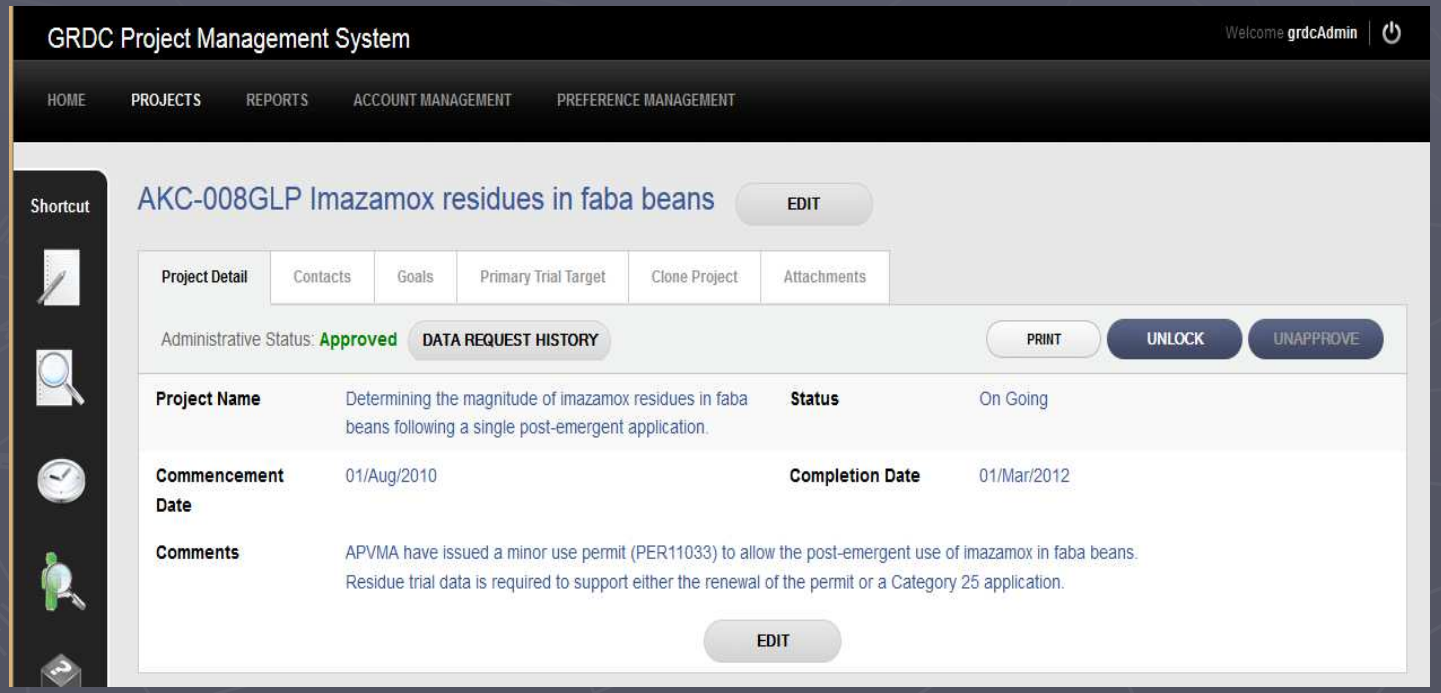
- GRDC Pathways project
  - Why:
    - Emerging pest/disease/weed problems
    - Resistance
    - New crops
    - No registrant priority

R&D Viewpoint

- GRDC Pathways project
  - How:
    - Database
    - Prioritised chemical x crop use options
    - Category 25 applications – User industry initiated label amendments

R&D Viewpoint

- Pathways Database
  - GRDC Funded research



R&D Viewpoint

- Options
  - RCSN input
  - PIB Input
  - Registrant & Regulator input
- Option list review
  - Confirmation
  - Prioritisation
  - Agree next steps

R&D Viewpoint

- Current submitted applications
  - Haloxyfop – Canola
  - Imazethapyr – lentils
  - Methomyl – mung beans
  - Tebuconazole – winter cereals
  - Dimethoate – pulses and peanuts
  - Quizalofop Summer Fallow grasses, e.g. *Chloris* sp.
  - Haloxyfop Summer Fallow grasses, e.g. *Chloris* sp.

R&D Viewpoint

- Data generation
  - Regulatory requirements:
    - Registered products
      - Comply with label
    - Unregistered products
      - Small plot – PER7250
      - Large scale – Research permit
    - Data must meet APVMA requirements
      - Replication, untreated, statistical analysis (yield and efficacy) etc

R&D Viewpoint

Australian Pesticides & Veterinary Medicines Authority

PERMIT TO ALLOW THE CONDUCT OF SMALL-SCALE TRIALS WITH AGVET CHEMICALS

Permit Number – PER 7250

This permit, is issued under section 114 of the Agvet Codes, to allow those persons stipulated below to conduct small-scale trials in any jurisdiction, as defined in the conditions of use, with agricultural or veterinary chemical active constituents or products, whether such active constituents or products are approved or registered or not. The permit also allows those persons stipulated below to possess any active constituent or chemical product described below for the purposes described under this permit.

CONDITIONS OF USE

1. ***Persons who can conduct trials under this permit:***
   All persons who are trained or experienced in the handling and use of agricultural or veterinary chemicals and who handle and use agricultural or veterinary chemicals as part of their normal duties in their employment for an organisation for which they are conducting a trial;

2. ***Jurisdictions in which this permit applies***
   All jurisdictions.

3. ***Products/Actives that can be used under this permit***
   Any active constituent or chemical product, except:
   - one which is or contains a genetically modified organism; or
   - veterinary biologicals used outside the confines of a research facility; or
   - any active constituent or chemical product used in a trial where the trial is conducted in a jurisdiction where that active constituent or chemical product is proscribed by legislation or
   - any active constituent or chemical product whose use has been prohibited under the Agricultural and Veterinary Chemicals (Administration) Regulations 2004.

4. ***Purpose/Situation***
   For the conduct of 'Small-Scale Trials' that, for the purposes of this permit, are defined as:

(i) screening tests, laboratory assessment and other research conducted within the confines of a research facility. (A research facility includes research station, research laboratory, research glasshouse, veterinary surgery or hospital, university or similar institution); or

(ii) trials conducted to generate data relating to efficacy, residues, crop or animal safety or other scientific information outside the confines of a research facility where the size of the trial annually does not exceed the following:
   a. a total of 5 hectares nationally , with a maximum of 1 hectare in any one jurisdiction in the case of any food and/or fibre field crop or
   b. a total of 500 plants nationally with a maximum of 100 plants in any one jurisdiction for plants other than those in a food and/or fibre field crop; or
   c. a total of 100 cattle, pigs, or deer; 1000 sheep or goats; or 2000 poultry; or 100 non-food animal species; or
   d. patch trials of antifouling paint products where the area treated on each vessel does not exceed 10 square metres and no more than 2 vessels in any one jurisdiction or a total of 10 vessels nationally are treated; or
   e. raft panel trials using antifouling paints where the total national area of treated panel does not exceed 100 square metres with a maximum of 10 square metres treated at any one site; or
   f. 5 cubic metres of timber or timber products in any one jurisdiction, or a total of 25 cubic metres nationally; or
   g. any other situation where the total area treated nationally is not greater than 10 sq metres; or
   h. fumigation trials conducted under the Australian Standard for General Fumigation Procedures (AS 2476-1981) where the total national area treated does not exceed 400 cubic metres with a maximum of 160 cubic metres to be treated per jurisdiction and no individual treatment site exceeds 40 cubic metres.

ADDITIONAL CONDITIONS

5. Do not dispose of any produce from plants or animals treated during a trial that can result in direct or indirect consumption of this produce by humans for a period of 12 months from application of the agricultural or veterinary chemical.

6. Do not dispose of or allow the use of any treated commodity or item that will result in direct or indirect exposure of humans to the agricultural or veterinary chemical used in the trial.

7. Persons handling/applying the agricultural or veterinary chemical for the purposes of conducting the trial must wear appropriate personal protective equipment to minimise their exposure to the agricultural or veterinary chemical via the eyes, skin, nose or mouth.

8. All trials involving animals must comply with conditions laid down in animal welfare legislation or guidelines, which are applicable in the jurisdiction where trials are conducted.

9. The organisation or individual for which the trial is being conducted must maintain detailed records listing:

   a. the date the trial is conducted;

   b. for trials conducted within the confines of a research facility, the name and address of the research facility; for trials conducted outside the confines of a research facility, the jurisdiction and specific location within each jurisdiction that the trials are conducted;

   c. the trial details, including plants, animals or items treated, the pest controlled or reason for treating, the rates and frequency of application;

   d. the active constituents or chemical products used plus the total amounts used;

   e. the method of disposal of produce from treated plants or animals; and

   f. the names of the persons conducting or controlling the trials.

10. The organisation or individual for which the trial is being conducted must maintain the records described in *9 a.- f.* above for each trial for a period of not less than 2 years from the date of commencing each trial and such records must be made available to the APVMA upon their request.

R&D Viewpoint

- Key aspects
  - Unregistered products
    - Small plot
      - Total 5 hectares nationally , with a maximum of 1 hectare in any one jurisdiction
      - Crop destruct
    - Large scale – Research permit (Cat 23)
      - Fees of $2000-$14,000 depending upon assessments
      - 6-9 months

R&D Viewpoint

- MRLs
  - Essentially a compliance tool
    - Based on residues resulting from approved use pattern
    - Reflecting Good Agricultural Practice
    - **Not** a health standard
      - But can be impacted by health standards