



Product stewardship for neonicotinoids and other insecticides

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Representing Australia's plant science industry



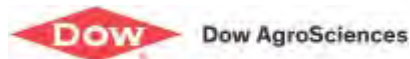


- Plant science industry overview
- Importance of product stewardship
- Importance of pollinators
- Seed treatment stewardship program
- Next steps





CropLife Australia – Our Members





CropLife Australia – Who We Are

- ❑ Peak industry organisation for Australia's Plant Science Sector;
- ❑ Represents
 - ❑ 19 member companies
 - Innovators, developers, manufacturers, formulators and registrants of crop protection and ag biotech products;
 - Members represent 85% of crop protection sales and 100% crop biotechnology in the Australian market;
 - International Federation of 91 CropLife national associations globally.



Our Mission:

"Through industry leadership and advocacy, achieve a strategic regulatory environment that gives CropLife members freedom to operate and grow in Australia"



- ❑ Provides crop protection products to protect crops against pests, weeds and diseases:
 - herbicides that fight weeds
 - insecticides that fight insects
 - fungicides that fight fungal diseases
- ❑ Provide a means towards meeting challenge of more food, less land



Facts:

- Pesticides are a key tool for farmers, increasing productivity by 20-50%
- 10 years R&D + US\$250 million to bring new product to market



INDUSTRY STEWARDSHIP

- ❑ Our members adopt and promote **ethical** and **responsible** practices from discovery and development of a product, through to its use and final disposal.
- ❑ Committed to a full '**lifecycle**' approach to industry stewardship.
- ❑ Successful industry programs: Agsafe Accreditation and Training, **drumMUSTER**, ChemClear.
- ❑ CropLife members spend more than \$13 million/year on stewardship activities - ensure **safe use** of products on the environment and human health.
- ❑ CropLife has established **AgStewardship Australia** in partnership with the National Farmers' Federation, the Australian Local Government Association, the Veterinary Manufacturers and Distributors Association and the Animal Health Alliance (Australia) to oversee the Industry Waste Reduction Scheme.

Facts:

- **drumMUSTER** : in excess of 22 million containers responsibly disposed of;
- **ChemClear**: collected and disposed of approx 387 tonnes of banned and unwanted products from farmers since its launch in 2003;
- **Agsafe Accreditation and Training**: visits around 800 retail premises and accredits around 2000 people annually.





Crop Protection



Crop Biotechnology



Industry Stewardship

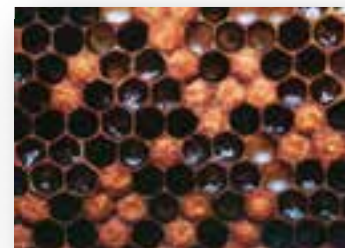
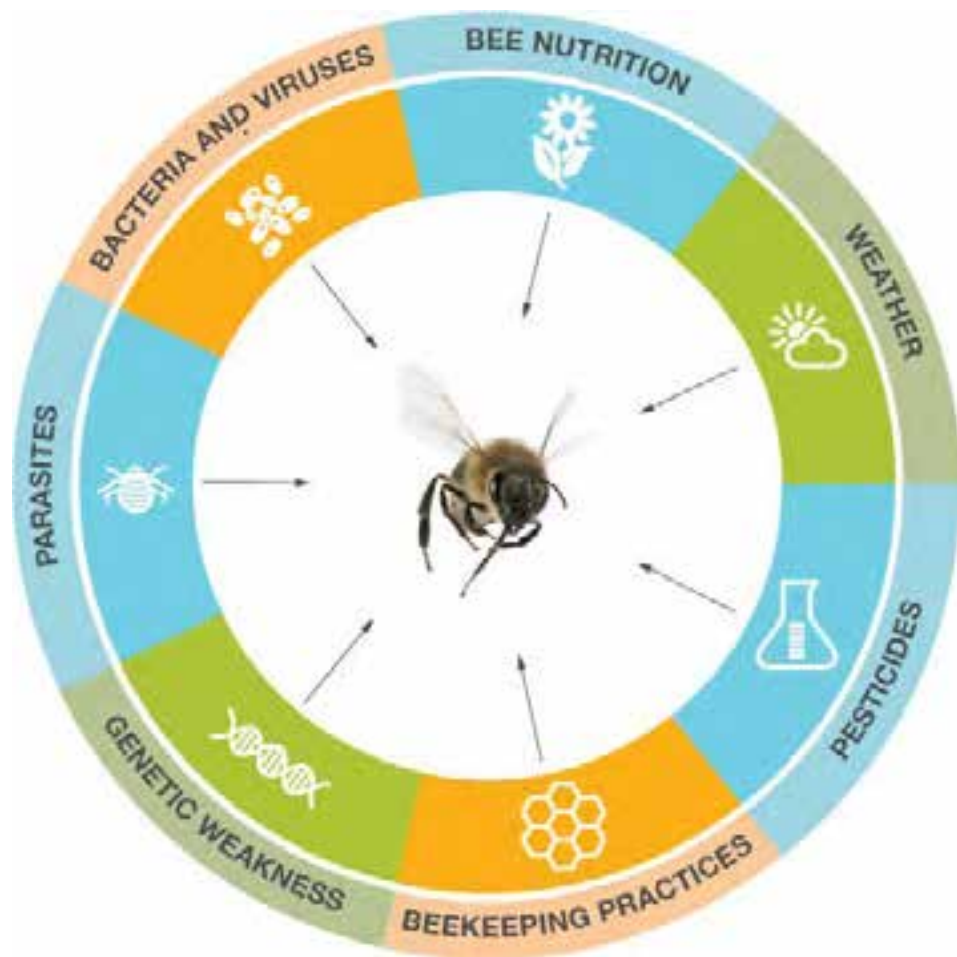


Sustainable agriculture needs efficient pollination services and responsible pesticide use





Multiple stressors affect bee health

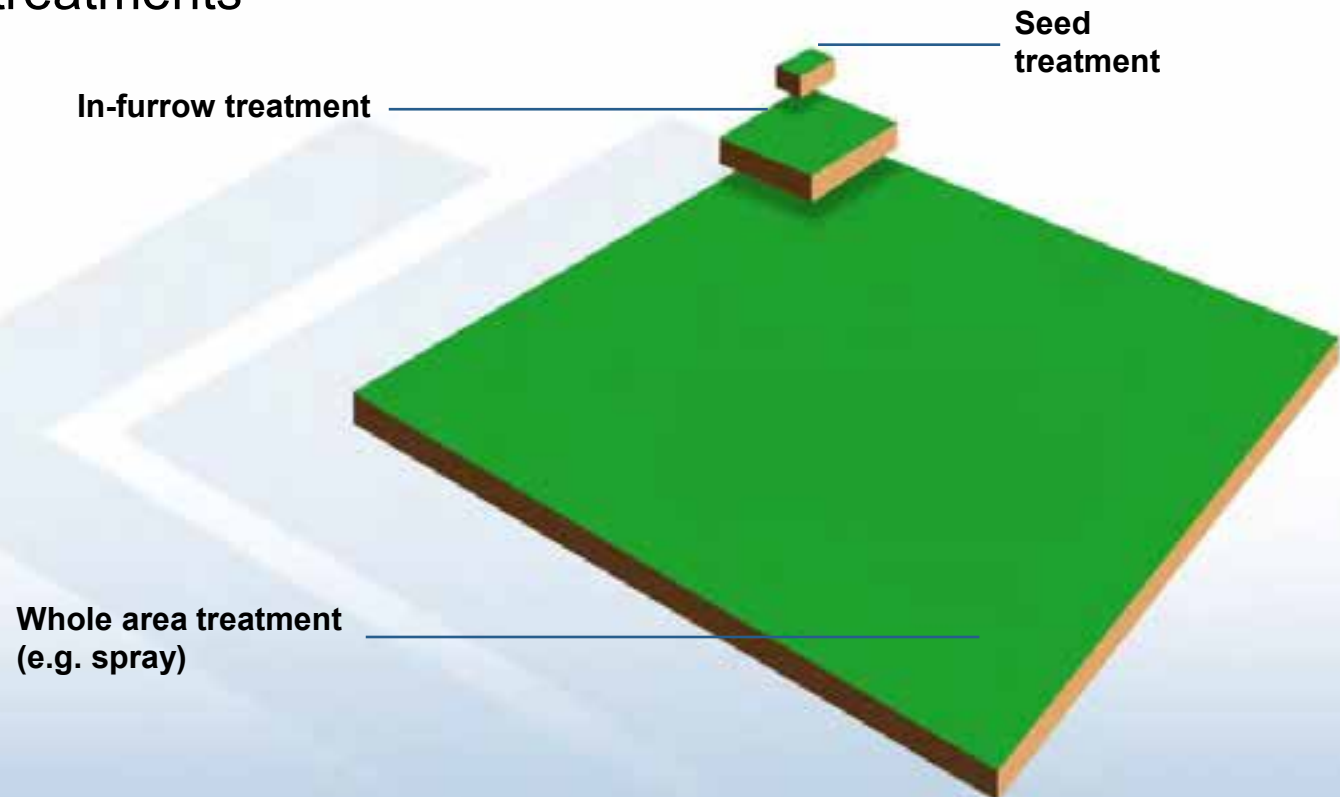




Modern Seed Treatments

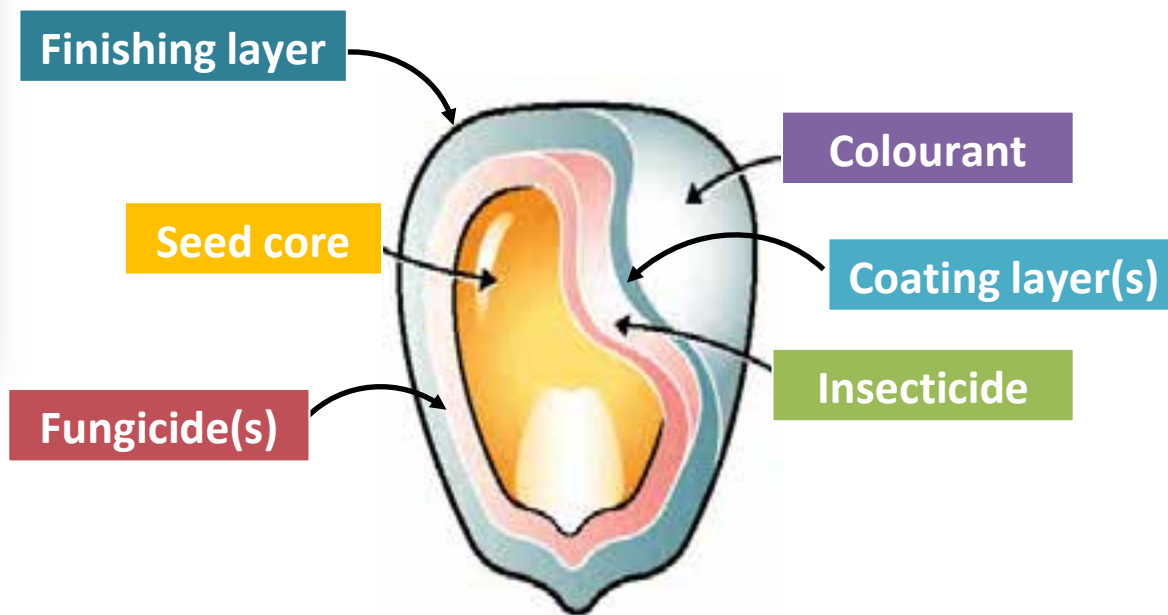
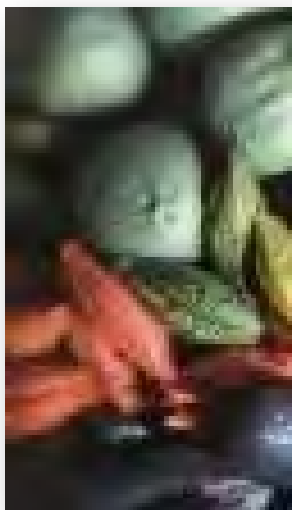
The area treated is significantly reduced relative to whole area sprays or in-furrow treatments

- Less impact on non-target organisms
- Compatible with Integrated Pest Management (IPM) approaches





Modern Seed Treatments





APVMA recommendation

‘CropLife Australia could consider working together with relevant member companies to develop a best-management practice guide relevant to Australia and focussing on those industries where there is the potential for neonicotinoid dusts to be generated during the process of coating, transporting and planting of treated seeds. This may require liaison with relevant agricultural machinery manufacturers as well seed-treatment facilities and with agricultural commodity groups.’





Seed treatment stewardship

- Seed Treatment Product Manufacture
- Application of Seed Treatment Product
- Planting Treated Seed
- Best Management Practice Guide for Planting Treated Seed





Seed Treatment Product Manufacture Stewardship Guide

- General Safety requirements
- Formulation
- Labelling
- Transport



Application of Seed Treatment Product Stewardship Guide

- General safety
- Application
- Environment
- Safe use
- Training
- Labelling
- Storage
- Transport



Planting Treated Seed Stewardship Guide

- General safety
- Transport
- Environment
- Safety
- Seeding
- Equipment washing
- Waste disposal





Best Management Practice Guide for Planting Insecticide Treated Seed

- **Pollinator protection and Responsible Use of Treated Seed**
- **Know where beehives are located**
- **Weather conditions can influence pollinator exposure**
- **Avoid generating dust when handling treated seed**



Best Management Practice Guide for Planting Insecticide Treated Seed

- Ensure planting equipment best practice
- Ensure proper clean-up and disposal
- Exercise pollinator-friendly practices throughout the growing season
- Report suspected pollinator pesticide poisonings





Crop Protection



Crop Biotechnology



Industry Stewardship

Next steps

