



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

Pesticides Regulation and Use in Ireland

Aidan Moody, David McGilloway
31 May 2023

53rd Meeting of the EPPO Working Party on Plant Protection Products



- Structure of agriculture in Ireland
- Regulation of pesticides in Ireland
- Trends in pesticide use in Ireland



Agri-Food sector is a very important part of the Irish economy

Accounts for 7.1% of total employment



Estimated value of total agri-food exports in 2022 was €18.7 billion

Total Number of Farms

135,037

Average Farm Size

33.4 ha



Livestock Numbers



Poultry
16.5m



Pigs
1.6m



Sheep
5.5m



Cattle
7.3m

Total Agricultural Area

4,509,256 ha

Grassland
4,151,456 ha

Cereals
265,592 ha

Other Crops,
Fruit and
Horticulture
92,208 ha



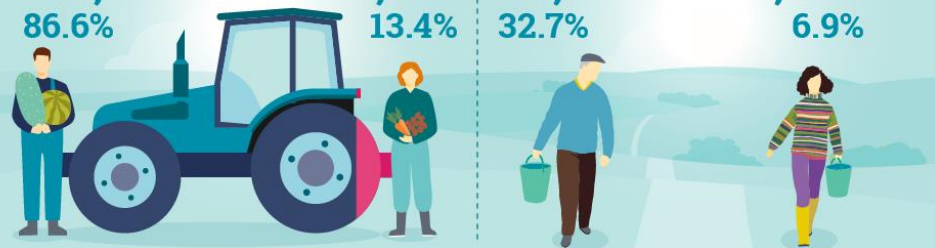
Farm Ownership

Male Holders
116,936
86.6%

Female Holders
18,101
13.4%

Holder 65+
44,135
32.7%

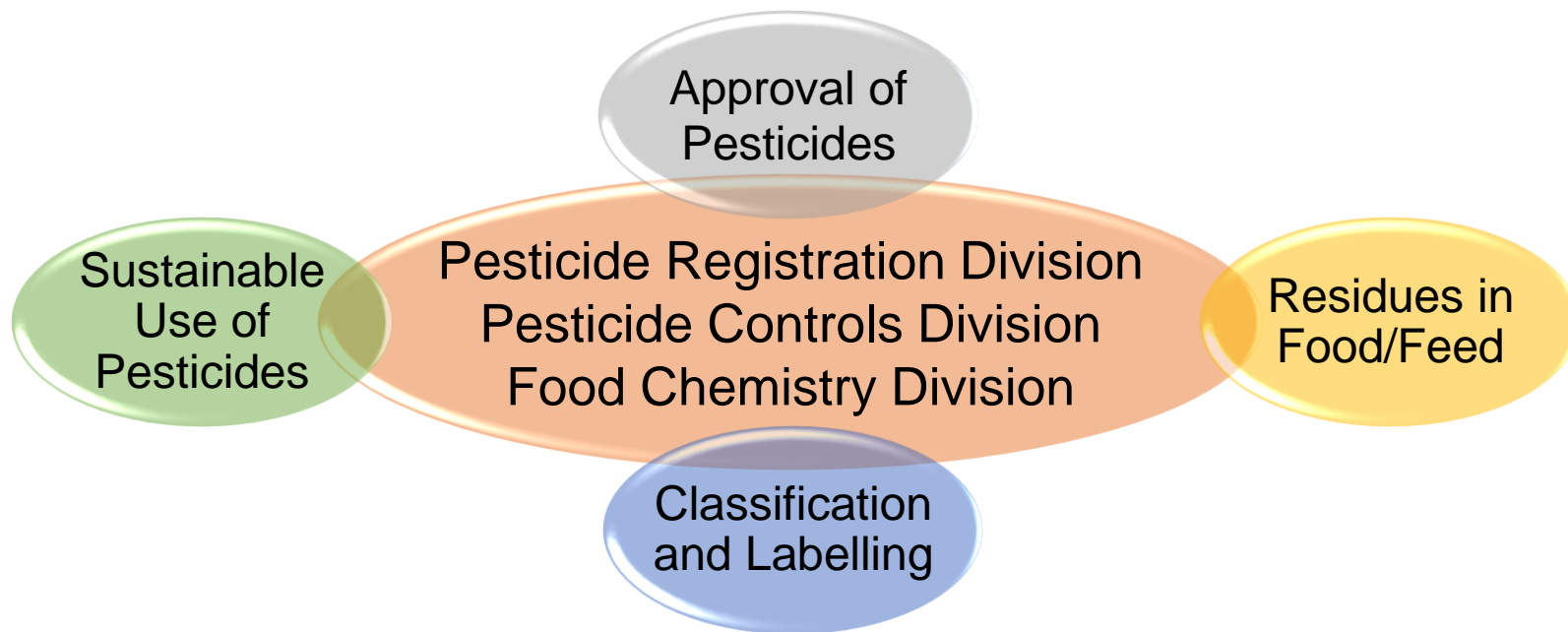
Holder < 35
9,338
6.9%



Regulatory framework



DAFM is the Competent Authority in Ireland for regulation of pesticides





Pesticide Registration Division Head of Division: Aidan Moody

Implement regulatory systems for -

- approval/authorisation
- classification and labelling

(PPPs and biocides)

Scientific evaluation

Risk assessment

- Efficacy Unit
- Toxicology Unit (mammalian, environmental)
- Chemistry Unit (phys-chem, residues, methods of analysis)
- Chemistry Unit (environmental)
- Project Management Office

Pesticide Controls Division Head of Division: Anne-Marie Dillon

Official controls on marketing and use
(PPPs and biocides)

Sustainable use of pesticides

Risk management
(in cooperation with PRD)

Policy development
(in cooperation with PRD)

Pesticide registers

Pesticide statistics

Food Chemistry Division Head of Division: Jim Garvey

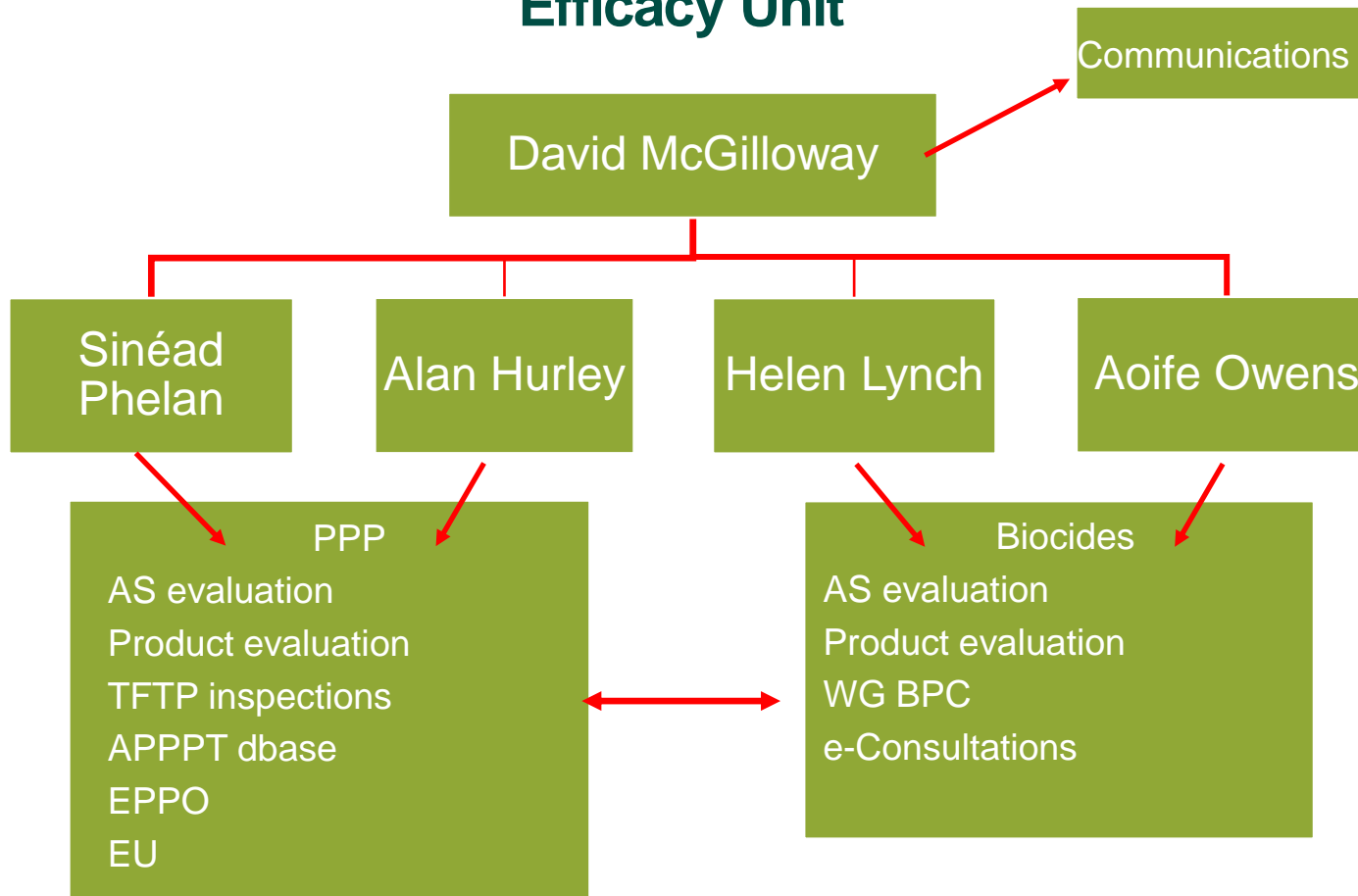
Laboratory Division
(Pesticides, Veterinary Medicines,
Dairy Chemistry)

Pesticide Residues Laboratory
(food and feed samples)

Pesticide Formulations Laboratory
(PPPs and biocides)

Official Laboratory functions

Efficacy Unit



Efficacy Unit



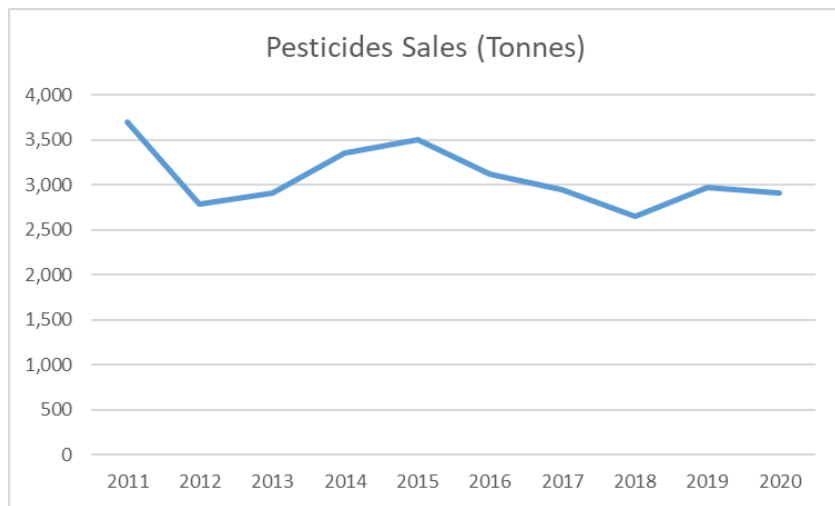
TFTP – 7 testing providers in 2023

217 trials carried out (cereals = 80%)

remainder = potatoes (9%), grassland (7%)

Aim to inspect all trials at least once!

APPPT - €300/application (can have multiple APPPT requests on an application, e.g. spring sowings)



Pesticide sales data (tonnes of active) trendline for Ireland 2011-2020

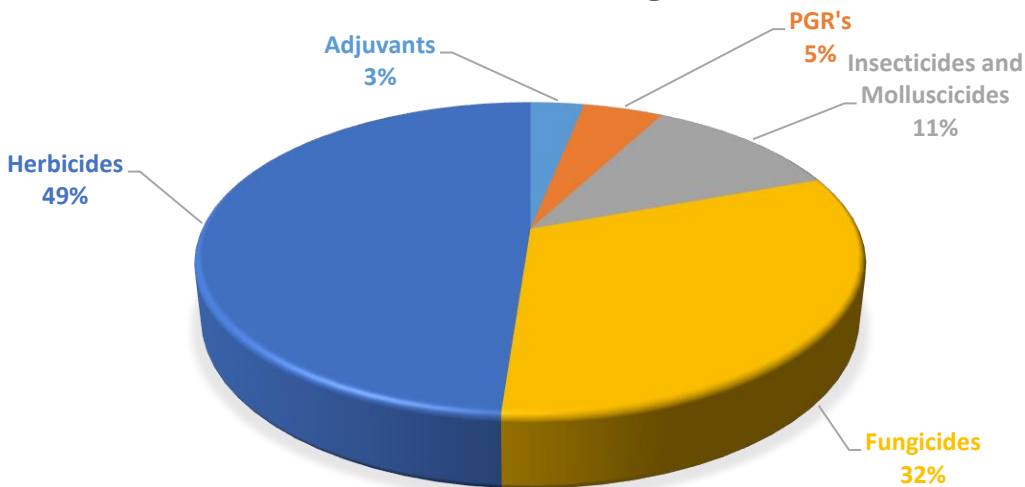
Member State	Total Pesticides sales (Kgs) /UAA (ha) (2020 data)	Member State	Total Pesticides sales (Kgs) /UAA (ha) (2020 data)
EU-27	2.08	Czechia	1.24
Malta	8.96	Slovakia	1.22
Cyprus	8.78	Denmark	1.21
Netherlands	5.42	Croatia	1.10
Italy	4.30	Latvia	0.97
Belgium	3.94	Greece	0.93
Germany	2.89	Lithuania	0.87
Spain	2.72	Sweden	0.68
Portugal	2.44	Romania	0.67
France	2.24	Ireland	0.64
Finland	2.17	Estonia	0.64
Slovenia	1.99	Luxembourg	0.49
Hungary	1.74	Bulgaria (no data)	0.00
Poland	1.70	Austria (no data)	0.00

Pesticide sales kg/ha (UAA) for EU-27 (2020 data)

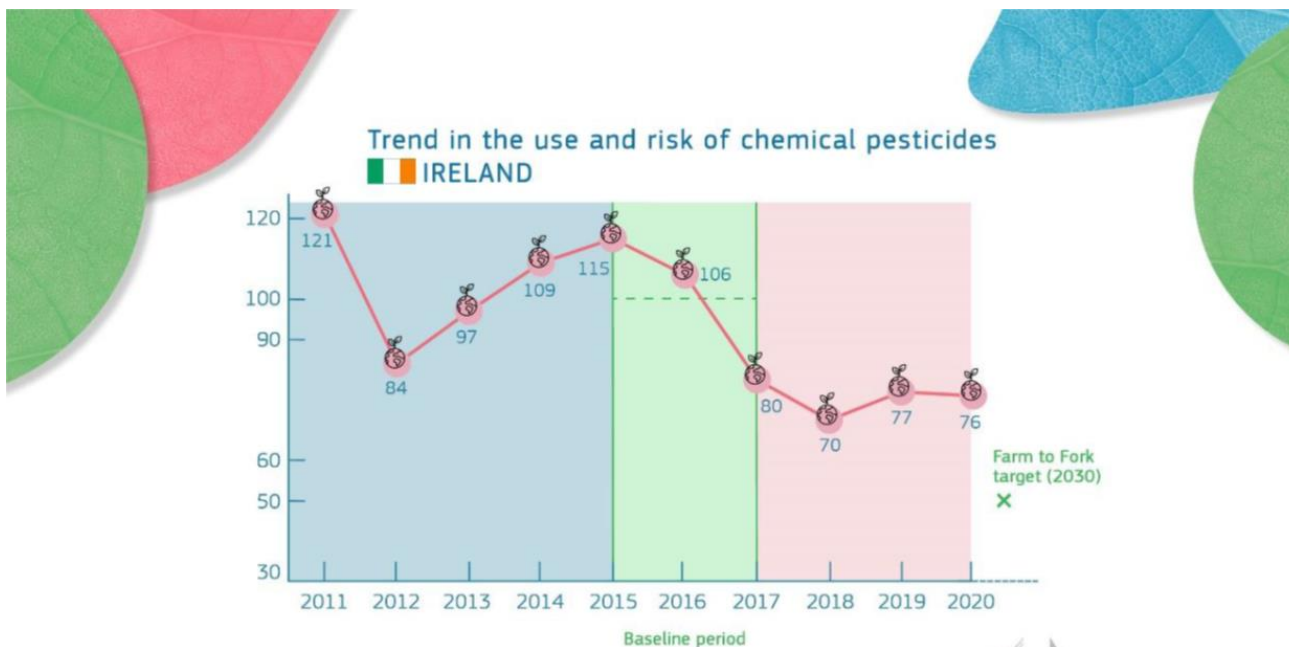


Analysis of active ingredients profile based on 2020 sales data

Estimated Overall Total Actives (%) by Pesticide Groups Sold and used in Irish Agriculture



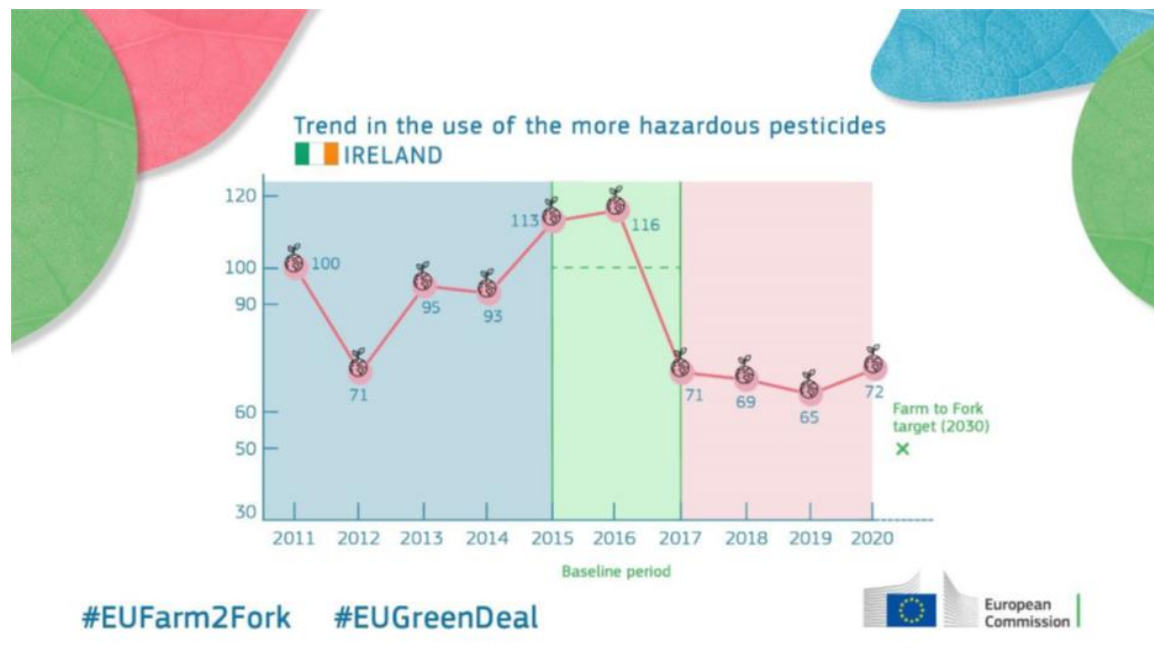
2020	
182 ACTIVES	
total wgt (kgs)	2,910,000
TOP 30 ACTIVES	92%
Top 10 actives	80%
GLYPHOSATE	1,090,482
IRON SULFATE	348,662
MCPA	291,297
FOLPET	119,100
CHLORMEQUAT	113,170
2,4-D	95,277
PENDIMETHALIN	87,115
MANCOZEB	86,213
FLUROXYPYR	55,753
PROTHIOCONAZOLE	45,903



#EUFarm2Fork #EUGreenDeal



Ireland's progress towards F2F Target 1 showing a 24% reduction in 2020 compared to the baseline (2015-2017)



Ireland's progress towards F2F Target 2 showing a 28% reduction in 2020 compared to the baseline (2015-2017)



www.pcs.agriculture.gov.ie