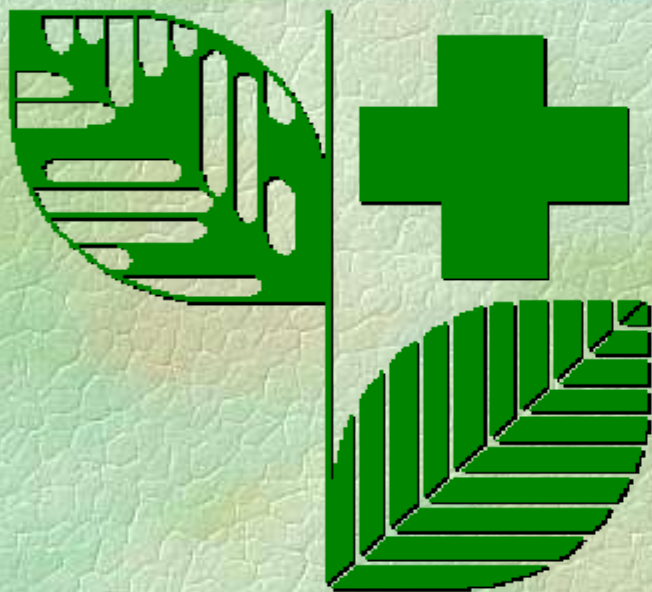


INSTITUTE OF PLANT PROTECTION - NATIONAL RESEARCH INSTITUTE



Rok Założenia 1951



Major issues in plant protection from the legislative perspective

Prof. dr hab. Stefan Pruszyński

Institute of Plant Protection – NRI, Poznań, Poland

A wide-angle photograph of a rural landscape. In the foreground, there is a body of water, likely a lake or a wide river, with some reeds or tall grasses visible at the bottom edge. The middle ground is dominated by a large, flat, golden-brown field, possibly a harvested crop field. In the background, there are several houses with red roofs and green trees under a clear blue sky.

General information about Polish agricultural



P O L A N D

Population	38 190 600
Area	312 679 km²
Agriculture workers (within the working population)	16,0%
Agriculture area	16 177 081 ha
Arable area	11 755 779 ha





P O L A N D

Crop areas (in ha in 2006)

Cereals	8 381 000	Legumes for seed	120 000
Winter wheat	1 799 000	Potatoes	597 000
Spring wheat	380 000	Sugar beet	262 000
Rye	1 318 000	Oilseed rape	624 000
Winter Barley	155 000	Hops	2 200
Spring Barley	1 066 000	Flax	2 600
Oats	539 000	Tobacco	17 000
Triticale	1 194 000	Vegetables	229 000
Mixed Cereals	1 544 000	Fruit crops	278 600
Maize	629 000		



Participation of Poland in horticulture production

Crops	% in global production	Place in world	Place in Europe
Cabbage	3,1	7	2
Onion	1,4	15	3
Apple tree	3,9	3	1
Strawberry	7,8	3	2
Raspberry	12,4	3	3
Currant	26,6	2	2
Frozen vegetables	5,5	5	4
Frozen fruit	47,9	1	1





Participation of Poland in agricultural production

Crops	% in global production	Place in world	Place in Europe
Wheat	1.2	18	5
Rye	19.8	3	2
Barley	2.3	13	6
Oats	4.5	5	1
Potato	2.9	5	2
Sugar beet	4.5	7	3
Oilseed rape	3.4	7	4





Cultivated area and production of selected berry plantations in 2006 in Poland and EU

Specification	Cultivated area in thous. ha	Yields In thous. t.	Production in EU	Share of Poland in %
Strawberry	55.6	193.7	1 161	16.7
Raspberry	17.0	52.5	101	52.0
Currant	43.0	194.5	299	65.0
Gooseberry	3.0	16.2	23	70.4





Pesticide registration in Poland



Act of 16 February 1961 regarding crop protection against diseases, pests and weeds

(Dz. U. [*Daily Official Register*] of February 23 1961, No. 10, item 55)

Chapter 3:

**“Providing the agriculture [sector] with chemical
plant protection products, as well as apparatus and
equipment auxiliary to plant protection”.**



Art. 11:

Sale and use of chemical plant protection products is allowed only for products for which the Minister of Agriculture issued a permit. The Minister of Agriculture, together with The Minister of Health and Social Welfare specified, by way of an order, the terms and conditions of issuing permits. The Minister of Agriculture, together with the Minister of Health and Social Welfare and the Minister of Chemical Industry specified, by way of an order, the conditions of use for chemical plant protection products.



**The Order by the Minister of Agriculture regarding
the terms and conditions of issuing permits for
commercial sale of chemical plant protection
products of 22 April 1965**

(Polish Monitor of June 3, 1965 r. No. 28, item 156)



IPP, Sosnicowice Branch

**1960 – Chemical Laboratory,
Head: Prof. Tadeusz Stobiecki**

**1965 – Department of Pesticide Analysis,
Control and Registration**



IPP Poznan

Department of Pesticide Testing and Registration

1983 – Pesticide Registration Office

1995 – Office of Registration for Plant Protection Products

2005 – Department of Pesticide Expert Analysis and Opinion



Crop Protection Act of 12 July 1995

Regulation by the Minister of Agriculture and Food Economy of 12 July 1996 regarding detailed rules of issuing permits admitting pesticides for sale and use

- **Including the Ministry of the Environment as the rightful partner jointly responsible for admitting pesticides for sale and use.**
- **Introduction of new rules of classifying pesticides for people, bees, fish and other water organisms (daphnia and algae).**
- **Introduction of international warning signs (black on orange background), conventional warning signs (pictograms) and standard warning signs (R and B) related to dangers and work safety.**
- **Introduction of a system of coding for pesticide formulations.**
- **Publishing of a list of active substances which are banned or restricted in Poland.**
- **Establishing of the National Inspection for Plant Protection.**



Plant Protection Act of December 18, 2003:

- **Transferring the entire pesticide registration under the power of the Ministry of Agriculture and Rural Development.**
- **Limiting the membership of the Commission (to 7 members) and restricting its authority.**
- **Order regarding authorizing entities to issue expert opinions and reports.**
- **Adjustments to comply with Directive 91/414/EC**





Directive of sustainable use of pesticides



The use of plant protection products (in kg of a.s./ha)

2003	2006	2007	2008
0.8	1.3	1.5	1.7





Farms by area of agricultural land

with agricultural area in ha

Total	0-5	5-20	20-50	50 and more
2 598 624	1 818 353	663 047	94 783	22 441





Integrated pest managementc

Integrated pest management (IPM) is a pest control strategy that uses a variety of complementary strategies including: mechanical, physical, genetic, biological methods, cultural management, and chemical management. These methods are done in three stages: prevention, observation, and intervention. It is an ecological approach with a main goal of significantly reducing or eliminating the use of pesticides while at the same time managing pest populations at an acceptable level.





Cultivated area of medical plants in Poland (Total 20-30 thous. ha, about 70 species)

Species	Latin name	Area of cultivation in ha
St. Johns Wort	<i>Hypericum perforatum</i>	200
Peppermint	<i>Mentha piperita</i>	4 000
Garden Thyme	<i>Thymus vulgaris</i>	3 000
Wild Chamomile	<i>Matricaria chamomilla</i>	2 500
Valerian	<i>Valeriana officinalis</i>	2 500
Lady's Milk	<i>Silybum marianum</i>	1 500
Caraway	<i>Carum carvi</i>	1 500
Bahu	<i>Melissa officinalis</i>	500
Lovage	<i>Levisticum officinale</i>	400
Sage	<i>Salvia officinalis</i>	400
Borage	<i>Borago officinalis</i>	200





Cultivation of selected horticulture crops in Poland in 2002

Crop	Area of cultivation in ha	The number of farms cultivated	Mean area of plantation
Apple tree	147 091	241 873	0,61
Sour cherry tree	29 367	133 758	0,22
Currant	34 260	82 411	0,42
Cabbage	26 810	320 774	0,08
Onion	27 698	278 135	0,10
Tomato	8 749	145 336	0,06





Art. 49

1. The Minister in charge of agriculture, in justified cases, at a request of a national or scientific institution involved in agriculture, social and professional farmers' organizations, or farmers' chamber, upon an approval from the petitioner named in Art. 39, section 1 and a positive opinion by the Commission can issue, for a specified time, a permit for using a pesticide against crops grown on a small area, or against harmful organisms which cause losses only within a defined location, if all conditions specified in Art. 38, section 1, point 1, subpt d and e. are met.



IOR-PIB POZNAŃ



*Thank you for
your attention*

www.ior.poznan.pl

S.Pruszynski@ior.poznan.pl