Efficacy studies of plant protection products – Polish experiences

Tadeusz Praczyk

Institute of Plant Protection National Research Institute, Poznan, Poland

Polish market of plant protection products in 2008

	Products	Sale (in tonne)
•	Insecticides	3012
•	Herbicides	31766
•	Fungicides	13217
•	PGRs	2535
•	Others	2815
	Total	53343

Number of plant protection products authorized in Poland (October 2009)

•	Fungicides	257

- Insecticides 112
- Herbicides 316
- PGRs 51
- Others 117 Total 853

Requirements for number of registration trials in Poland

<u>Before 2004</u>

- 4 trials were needed for products containing new active substance
- 2 trials were needed for products with existing active ingredient
- No special trials for phytotoxicity

<u>After 2004</u>

- 8 trials are needed for products containing new active ingredient
- 4 trials are needed for products with existing active ingredient
- Special trials for phytotoxicity of herbicides

Recognized Units in Poland

Before the joint to EU (May, 2004)

- state units (10)
- no private units

<u>Currently</u>

- state units (21)
- private units (9)

Tasks to perform after the joint to EU

- GEP system in registration studies
- EPPO standards
- New software Agriculture Research Manager (ARM)

ARM software

- 2005 first ARM licence
- 2006-2008 purchase of 10 licences and intensive training of all ARM users

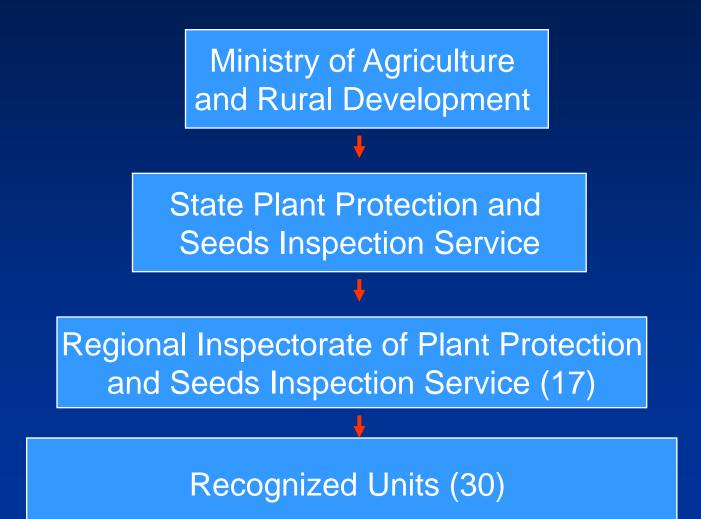


ARM - current situation at Institute of Plant Protection

- Many registration trials are conducted using ARM software
- Each principal investigator (study director) has his ARM licence
- Training of ARM users is still needed

Some our Clients have their own ARM setting profile – difficulties in our job

Organiztion chart of GEP system in Poland



Institute of Plant Protection

- 2 GEP Certificates (Poznan and Sosnicowice Branch)
- 1 Accreditation Certificate (Sosnicowice Branch)

Quality systems – official approvals of Institute of Plant Protection



CERTYFIKAT AKREDYTACJI LABORATORIUM BADAWCZEGO ACCREDITATION CERTIFICATE OF TESTING LABORATORY

Nr AB 851

Potwierdza się, że: / This is to confirm that.

INSTYTUT OCHRONY ROŚLIN ZAKŁAD BADANIA POZOSTAŁOŚCI ŚRODKÓW OCHRONY ROŚLIN ul. Władysława Wegorka 20, 60-318 Poznań

spełnia wymagania normy PN-EN ISO/IEC 17025 2005 media requirements of the PN-EN ISO/IEC 17025 2005 standard

Akredytowana działalność jest określona w Zakresie Akredytacji Nr AB 851 Accedited activity is defined in the Scope of Accreditation No AB 851

Akredytacja pozostaje w mocy pod warunkiem przestrzegania wymagań jednostki akredytującej określonych w kontrakcie Nr AB 851 This accreditation innémian in force provident me Laboratory observes the recurrente at Accreditation Body definited in the Camiraci No AB 851

> Certyfikat akredytacji ważny do dnia 20.12.2011 r. The certificate of accreditation is valid until 20.12.2011



DYREKTOR POLSKIEGO CENTRUM AKREDYTACJI

unturn KAROL HAUPTMANN

STATE PLANT PROTECTION AND SEED INSPECTION SERVICE MAIN INSPECTOR Adam Zych

Reference No. WO-505-1/2005

Warnew, 01 May 2005

DECISION no. 2/2005

Based on Art. 40 net 1 of December 18, 2003 concerning plant protection /Dziemiik Ustaw/ Act Book/ No. 11 of 2004 item 94 with later amenilments/, after considering the application of January 36, 2005.

I authorize

the Institute of Plant Protection in Poznań, Pesticides Efficacy Department, Miczurina 20, 60-318 Poznań

to carry out plant protection products efficacy trials for

nemeticides, backerineides, fungicides, hartheides, insecticides, molluscocides, nematocides, plant growth regulators, repollents, rodenticides, senacohemicals, talpioides, viricides nel adjuvanta in field crops, under covers, marseites, orchards, climatic chambers, storage rooms and non-agricultural lands. The triads will be carriad out on the following crops: cereals, sugar and foldier beet, maize, oilseed mpe, backwheat, muatant, potato, field beam, pen, stepabears, flaw, hemp, surflower, vegetables, strawberries, grasslands, seed graases, lawns, cultivated herts, willow and other euergy plants.

This Authorization is valid for the period of 5 years from the date of issue.

Justification

The Institute of Plant Protection in Poznań, Pesticides Efficacy Department, Miczurum 20, 60-318 Poznań complies with the technical and organizational requirements referred to as "Good Experimental Practice Principles" ensuring appropriate performance of plant protection products efficacy trials. Considering the above, it was agreed upon as settled while making fluid decision.

Advisory Notice This decision samest for specified. However, the dissuminary foreign can apply to the State Plant Personner and Intel Important forwise with a partition or reasonable the same within 14 days from the date of the decision delivery, associating to Article No. 125, 16813, OH Adversionables Cale.

Main Impector

Institute of Plant Protection – extent of approval in registration studies

- All types of plant protection products (acaricides, bacteriocides, fungicides, herbicides, insecticides, molluscocides, nematocides, plant growth regulators, repellents, rodenticides, semiochemicals, talpicides, viricides and adjuvants)
- Crops: cereals, sugar and fodder beet, maize, oilseed rape, buckwheat, mustard, potato, field bean, pea, soyabeans, flax, hemp, sunflower, vegetables, strawberries, grasslands, seed grasses, lawns, cultivated herbs, willow and other energy plants

642 registration trials in 2009

Laboratory facilities

Artificial inoculation in fields

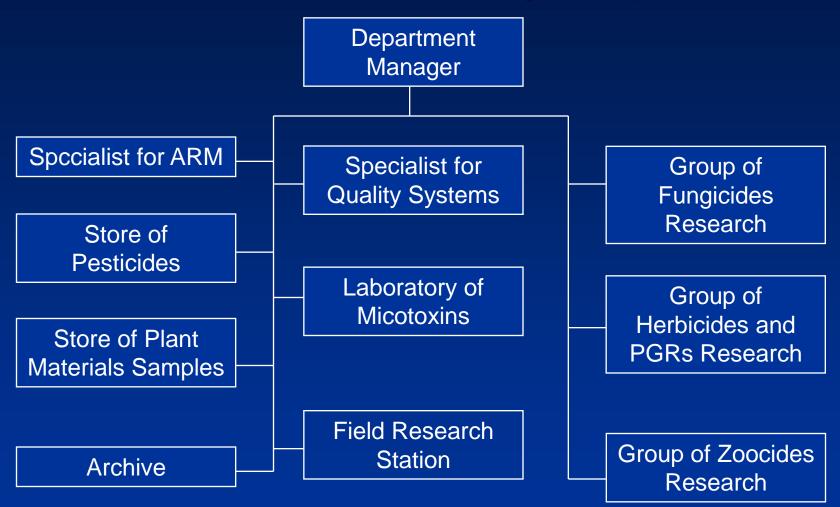
- Fusarium spp.
- Sclerotinia sclerotiorum
- Tiletia caries and T. laevis
- Ustilago nuda
- Pyrenophora graminea
- Urocystis occulta
- Microdochium nivale
- Ustilago maydis
- Sphacelotheca reiliana

Mycotoxins analyses





Organization chart of Pesticide Efficacy Department



(30 employees)

Field Research Station in Winna Góra (50 km south of Poznań)







Technical equipment of Field Research Station in Winna Góra









Herbicide efficacy trials in sugar beet at Field Research Station in Winna Góra



Phytotoxicity trial with herbicides in winter wheat at Field Research Station in Winna Góra

