TECHNICAL DIRECTORATE FOR THE ASSESSMENT OF PLANT VARIETIES AND PLANT PROTECTION PRODUCTS

José Luis Alonso Prados
Technical Director
• Support Research + Development + innovation programs (Plant Varieties & seeds and plant protection products)
• Cooperation with national and international organizations
• Technical and Scientific assistance to the National Competent Authorities on matters related to plant varieties and plant protection products
Plant Protection Products matters:
• Evaluation of active substances and plant protection products according to the Regulation 1107/2009
• Evaluation for setting Maximum Residue Levels of active substances according Regulation 396/2005
• Scientific studies related to the chemical behavior of plant protection products in the environment and ecological indicators of the use of plant protection products.

Plant Variety and seeds matters:
• Technical variety testing by means of field trials, disease resistance tests and biomolecular techniques
• Field Variety Control tests of commercial plant material
• Laboratory trials and/or tests related with control of plant material quality
• Official international accreditation (ISTA and CPVO)
• Scientific studies related to the response of wheat varieties to different conditions
TECHNICAL DIRECTORATE FOR THE ASSESSMENT OF PLANT VARIETIES AND PLANT PROTECTION PRODUCTS

DEPUTY DIRECTORATE GENERAL OF RESEARCH AND TECHNOLOGY

DTEVPF

Plant Protection Products Unit

Assessment of PPP

Research

✓ Reg 1107/2009: Active substances; Plant Protection Products
✓ Reg 396/2005: Maximum residue levels
✓ Degradation of PPP
✓ Soil indicators
INIA has been accredited in 1996 by Ministry of Agriculture as entity for the assessment of active substance:

1. Identity & Physical and Chemical Properties
2. Analytical Methods
3. Residue Data
4. Environmental Fate and Behaviour
5. Ecotoxicology
6. Efficacy
• Regulation 1107/2009 (Directive 91/414)

**ACTIVE SUBSTANCES**

• Active substances: 30 Draft Assessment Reports + 6 additional reports

• Confirmatory data: 15 Assessment reports of CD

• Re-Aproval of a.s. 1 RAR as RMS and 4 RAR as CoRMS

• Art 21 Reg 1107/2009: 3 Assessment Reports

• Equivalence of technical material: 62 assessment reports

**PLANT PROTECTION PRODUCTS**

• 76 Registration Reports of PPP

• 241 Comments to other RR

• Regulation 396/2005:

• 61 Assessment Reports for setting MRL (Art 10)

• 42 Reviews of existing MRL (Art 12)
WORKING GROUPS

- Peer review expert meetings - EFSA
- Post Approval Issues WG – Commision
- Pesticie Sterring Group – EFSA
- Souther Member States Steering Group
- Minor Uses WG
- EPPO
Behavior of PPP in the environment: Degradation studies in water and soil, identification and molecular characterization of degradation products and metabolites.

Residues in minor crops: Residue behavior in minor crops in order to propose possible extrapolations from major to minor crops for setting MRL.

Effects of the use PPP in soil biota: Soil biodiversity and biological indicators of these effects, effect on the soil functionality.
Seeds and Varieties

Assessment of plant varieties

DUS trials CPVO - UPOV
ISTA analysis

Research

Response of wheat varieties to abiotic stress

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DTEVPF

TECHNICAL DIRECTORATE FOR THE ASSESSMENT OF PLANT VARIETIES AND PLANT PROTECTION PRODUCTS
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SEED ANALYSIS FACILITIES
(ACREDITED BY ISTA)

MOLECULAR TECHNIQUES
Molecular markers for Plant variety differentiation and identification of resistances

PLANT HEALTH
Resistance trials
Analysis of seed-borne diseases

SAMPLING; CERTIFICATION
ISTA Certification
Purity of seed lots
Germination

TECHNOLOGICAL QUALITY
Quality of Wheat
Barley
Rice
Sunflower
Potato…
RESEARCH & TECHNOLOGICAL PROJECTS
(Seeds & Plant Varieties)

- 7503719 CPVO. (2012-2015). “Harmonization of resistance tests to diseases for DUS testing”
- 7506292 CPVO (2014) “Effect of seed priming on vegetable DUS tests”
- CC14-072 – Universidad Barcelona – INIA: Study the mechanism involved in the plant response to abiotic stresses: yield and technological quality
  ✓ New phenotyping methodologies
  ✓ Plant response under different hidric and fertilization conditions
  ✓ Effect of different conditions on the quality and yield
- Agreement with National Seed Producers Association for research on seed borne diseases
- Collaboration with seed companies
THANK YOU FOR YOUR ATTENTION