



Crop protection industry contribution to sustainable agriculture

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VI Slovak Plant Health Days , NITRA , 20-21/10/2015

Proposed agenda

- General considerations
- Crop protection solutions: continuous improvement process
- Our members are engaged in biocontrol and IPM
- Stewardship and Hungry 4 change projects



ECPA...

...represents the **highly innovative, R&D-driven crop protection industry** in Europe

- 21 multinational companies; 32 national associations; 26,000 people

...advocates **policies and legislation that foster innovation**

- giving Europe's farmers the tools they need to help meet the world's growing food demand

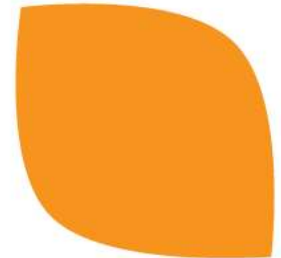
...promotes good agricultural practices through **Hungry for Change projects**

- working in partnership with many stakeholders



Our values

- **Openness** – We promote and value dialogue with all stakeholders
- **Proactivity** – We take the initiative on issues of concern to society
- **Cooperation** – We work with stakeholders as partners
- **Responsibility** – We take responsibility for the safe and sustainable use of our industry's products through farmer education and training
- **Transparency** – We are clear about our aims and policies



Hungry for Change

We are committed to...



Improve farmer
& public health



Protect &
conserve water

Increase food safety,
quality & affordability



Enhance
biodiversity

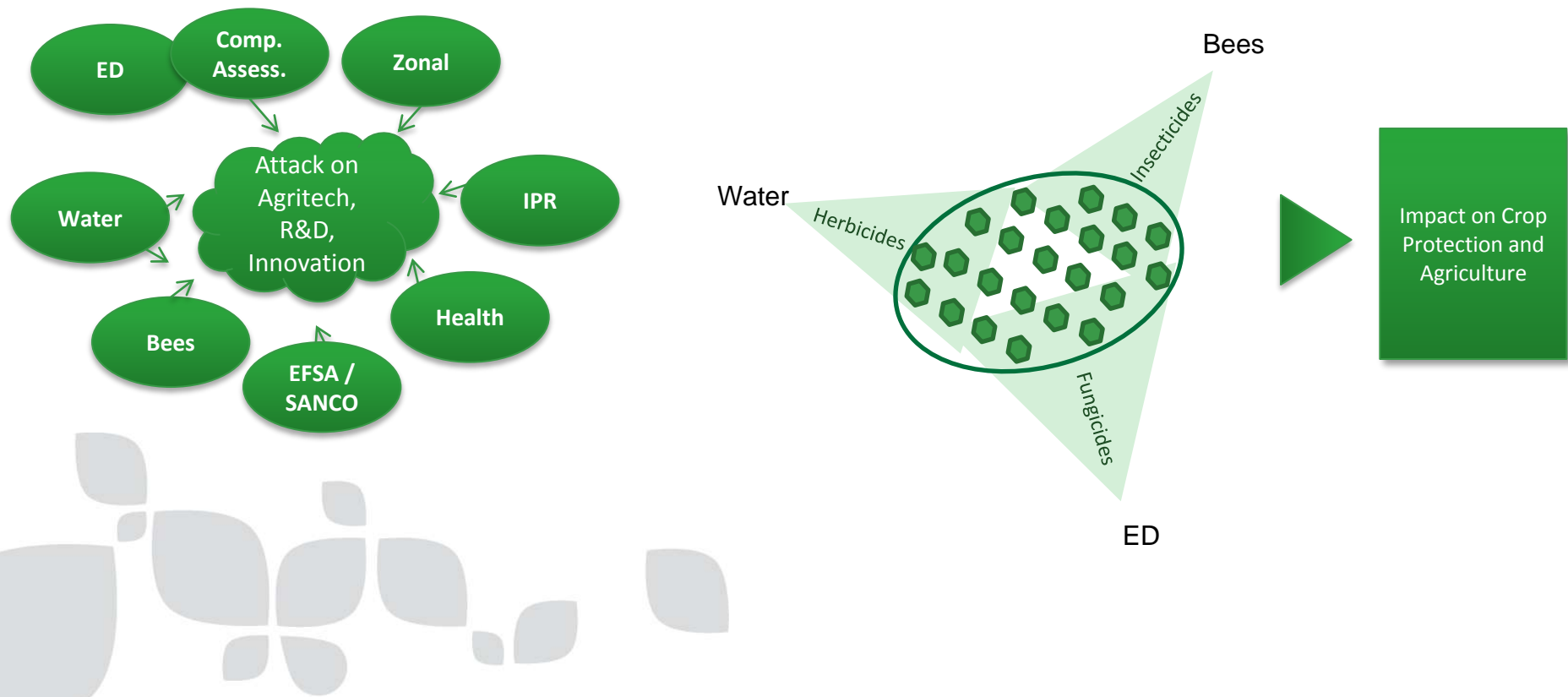
- Today's agriculture must be **sustainably productive**
- Europe has the **responsibility** to remain a world **leader in agriculture**
- A **regulatory** framework that **fosters innovation is crucial** to achieving these goals for the future

...BUT...



Concern!!

Impact of hazard-based legislation



Why those concerns?

- 10 years+ and > €250 million for a new solution
- EU is losing attractiveness (*McDOUGALL: EU 33% of global CPP R&D in early 80's versus 7.7% today!*)
- Current regulation not effective
- Delays in setting the rules (ED...)
- Precautionary principle application (NNI's...)
- Industry efforts and progress not enough recognized and taken into account

How to address those concerns?



- More science and pragmatism: decisions based on risk assessment and management supported by scientific evidence and expertise
- Check the workability of any regulation before proposing new ones!
- Work together: involve key actors and mobilize partners (eg farmers)
- Inform the debate for the 1107/2009 and 396/2005 revision



Our industry's vision

1. Science-based policy making
2. Smarter and better regulation
3. Consistency
4. Innovation
5. Agricultural productivity & competitiveness



*In spite of those **regulatory burdens and uncertainties...***

*...We remain committed for **innovation and responsible use of Crop protection products...***

*... to contribute to **sustainable agriculture in Europe***

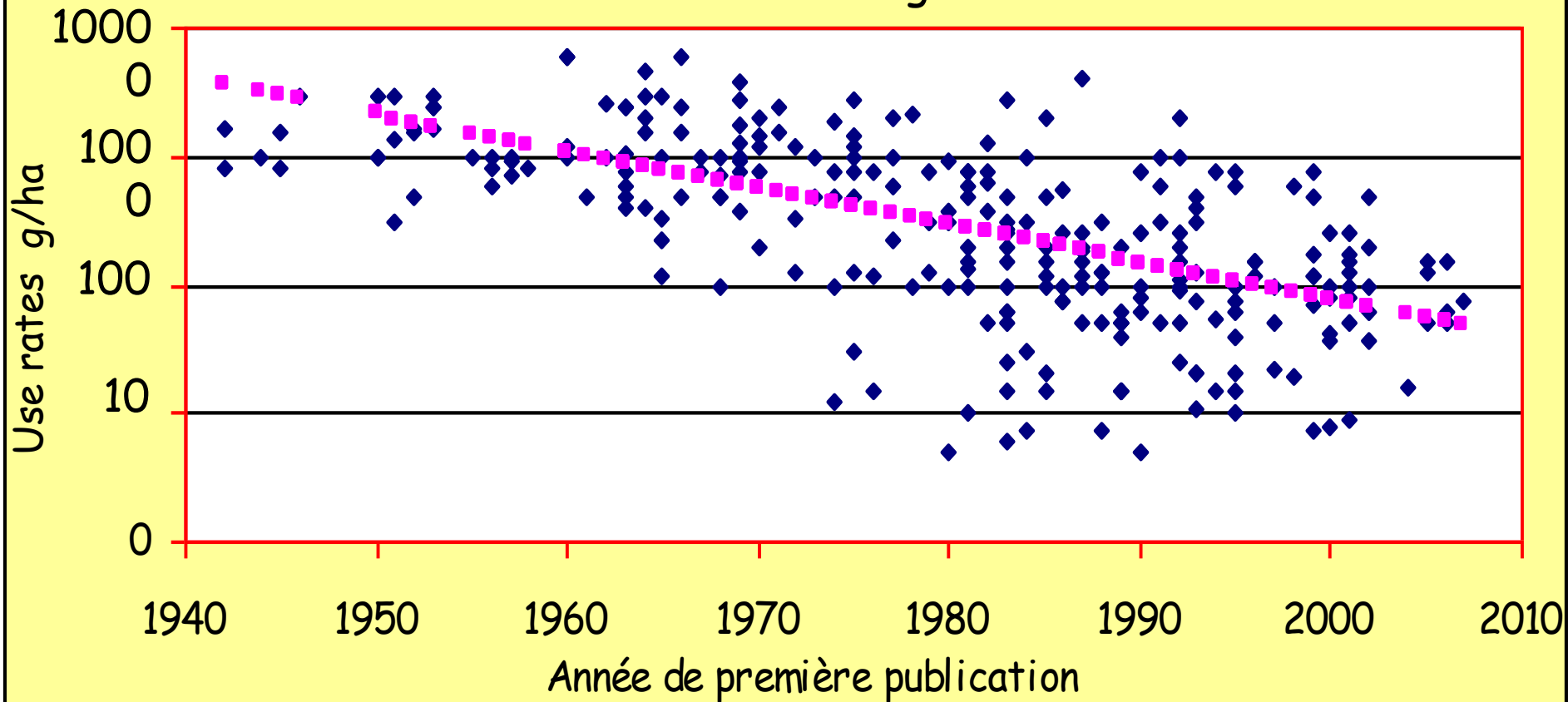


Crop protection industry: committed and responsible to place **new products** on the market

- Significant progress in products profile (AIs, formulations, packaging)
- Solutions provider for competitive and sustainable farming model
- One of the most regulated sectors
- A global R&D sector (seeds, classical chemistry, natural imitative chemistry, bio solutions, decision-making tools)

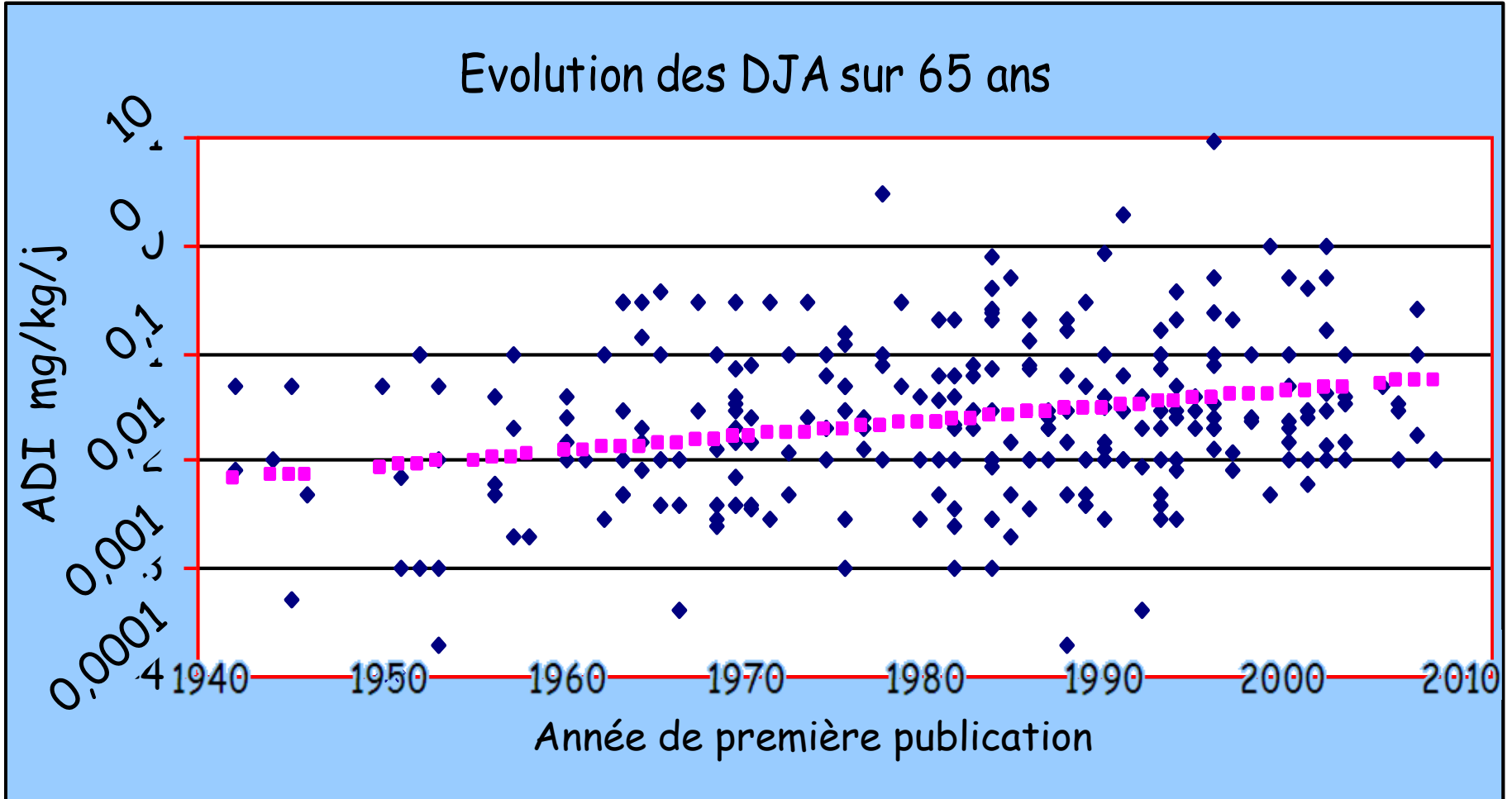
More targeted AIs: smaller doses

Evolution des doses d'homologation sur 65 ans



→ Average use rates 25 times lower today than 65 years ago

Tox profile improvement



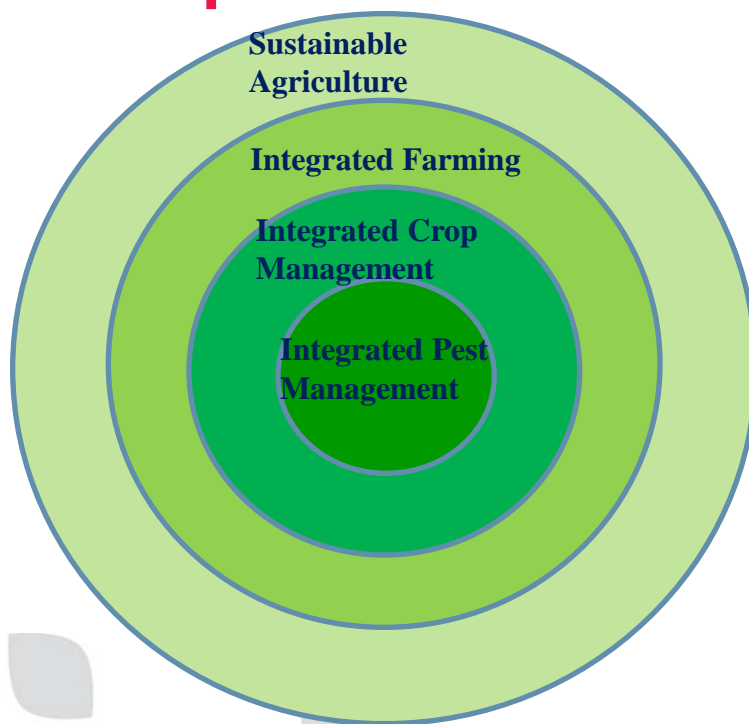
→ Products now 6 times safer

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Crop protection and sustainable agriculture

- ECPA members involved in the **use phase of the products**



Sustainable crop solutions

(BAYER CropScience slide)

Depending on specific market conditions, individual solutions for **customer needs** can be made available through different technology platforms

Molecular Biology

Molecular Biology, Chemicals and Biologics can be efficient solution-providers for unmet customer needs - each requiring a different expertise

Customer Needs

Disease control
Weed control
Pest control
Plant health

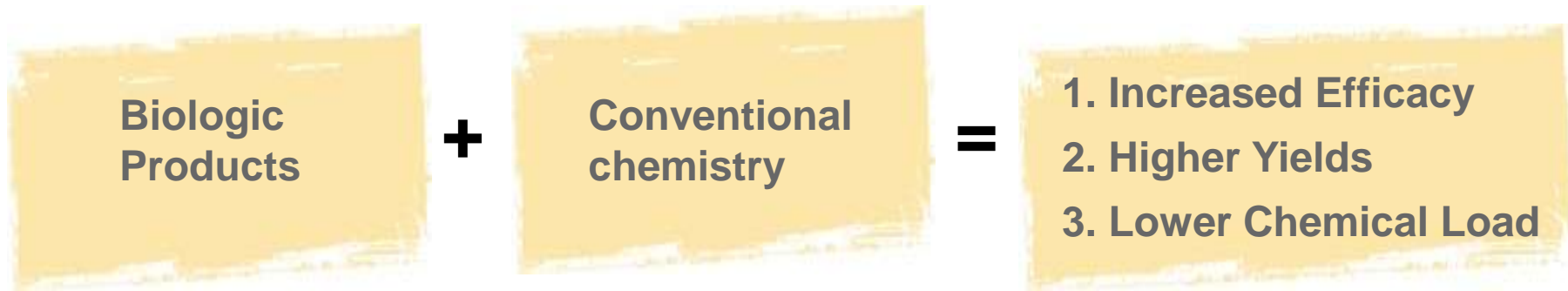
Synthetic Chemistry

Biologics*

Integrated Solution & offering for growers

*Suitable for conventional and organic agriculture

Biologic products can be used many ways *(BAYER CropScience slide)*



By Themselves

- Efficacious
- Shelf-stable
- Combination of metabolite and microbial MOA
- Access organic or “residue-free” production

In Tank Mixes

- Stable in mixes
- Compatible with chemistry
- Resistance management

In Alternation

- Broaden spectrum of control
- Fill in when there are limits on number of chemical sprays
- Cost effective

Organic and bio-control offer: a reality for our members



- Insecticides and fungicides authorized for organic farming in France supplied by UIPP (French CPA) members
 - 135/376 (**40 %**)
 - 16/21 UIPP members (*) are offering solutions for organic farming (**75%**)
- At end of 2012, 39 substances and 79 products available in France for the “NODU vert” (indicator for green products)
 - 37 products (**47%**) supplied by UIPP members

(*) :12 ECPA members/21 members are IBMA members

Integrated pest management (IPM)

IPM is a holistic approach to sustainable agriculture that focuses on managing insects, weeds and diseases through a combination of cultural, physical, biological and chemical methods that are cost effective, environmentally sound and socially acceptable. This includes the responsible use of crop protection and plant biotech products.

WHY IS IPM IMPORTANT?

GLOBAL POPULATION
is on the rise



and therefore so is
FOOD DEMAND



this means farmers must
INCREASE YIELDS
ON EXISTING LANDS



while
PROTECTING
BIODIVERSITY
AND LOOKING AFTER
THE ENVIRONMENT



IPM provides farmers with tools and strategies to

MINIMISE LOSSES
CAUSED BY INSECTS, WEEDS AND DISEASES

TO
SUSTAINABLY
MAXIMISE
PRODUCTION



KEY COMPONENTS OF IPM

FARMERS are the primary decision makers in implementing IPM strategies

PREVENT
the build-up
of pests

understand
conditions
select
varieties
manage
crops

MONITOR
crops for both
pests and
natural control
mechanisms

inspect
fields
identify
issues
determine
action

INTERVENE
when control
methods are
needed

choose
method
plan
approach
intervene
responsibly

**CONTROL
METHODS**

1. CULTURAL
2. PHYSICAL
3. BIOLOGICAL
4. CHEMICAL

ECPA members are solutions providers and engaged actors for IPM

Role of the crop protection industry



RESEARCH & DEVELOPMENT

- Developing innovative chemistry and other control agents to manage insects, weeds and diseases
- Improving crop varieties with pest and disease resistant traits



TRAINING

As part of an on-going commitment to stewardship, the crop protection industry has several initiatives in place providing for training on best management practices, including IPM strategies.



RESISTANCE MANAGEMENT

Over time, pests can develop resistance to different control methods. The plant science industry works to provide strategies and information that can help farmers manage insect, weed and disease resistance.



IPM TRAINING INCLUDES:

IDENTIFYING
beneficial insects



WHEN AND HOW
to manage pests



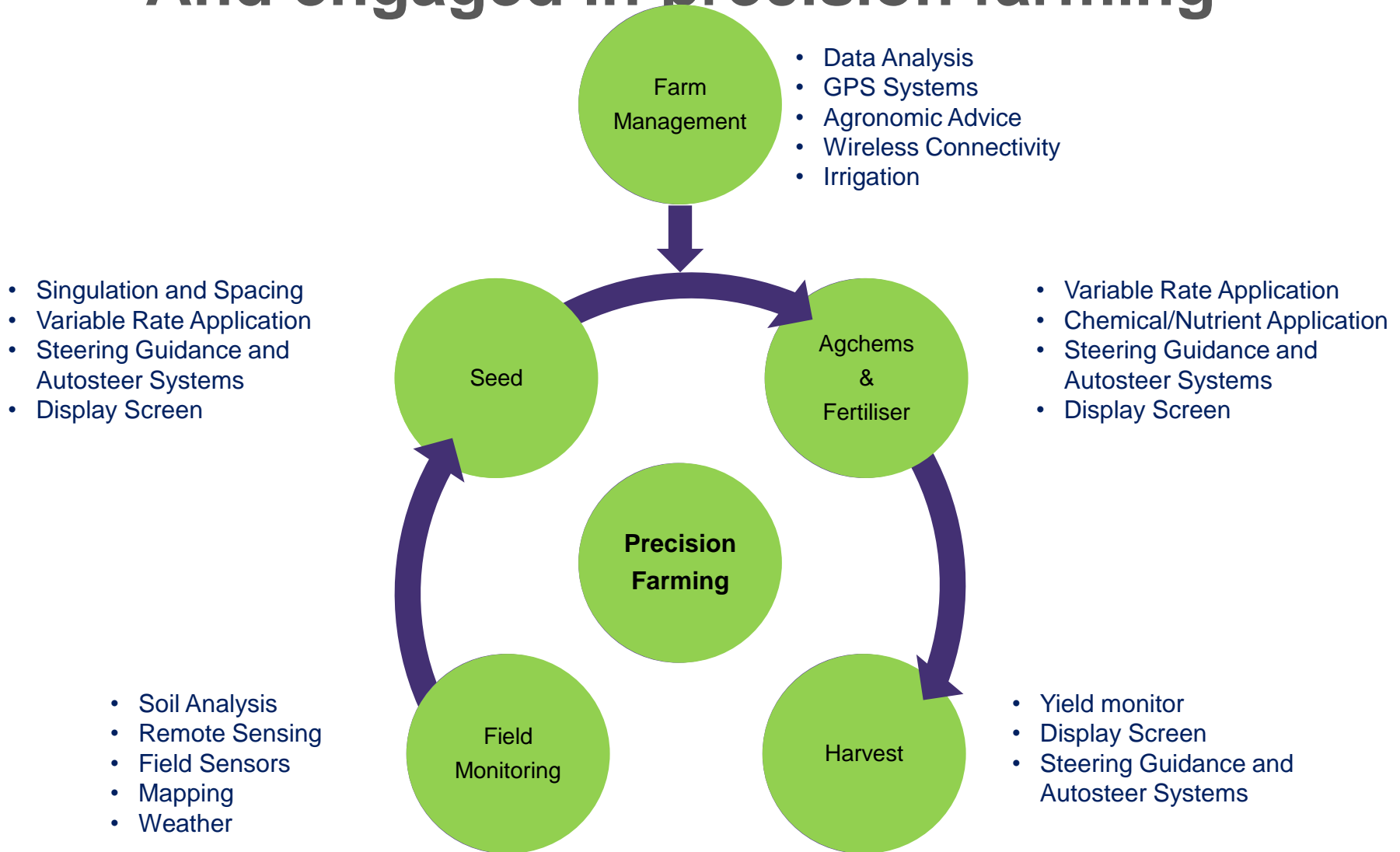
RESPONSIBLE USE
of crop protection products



PROPER DISPOSAL
of empty containers or unused products



And engaged in precision farming



H4C / Stewardship - Project Status



Area	Projects	Status - June 2015
Bio-diversity	European Index for Sustainable Productive Agriculture (INSPIA)	RUNNING
	Initiative on Bees	RUNNING
Food	Residues Management	RUNNING
	Minor Uses	RUNNING
	Anti-Counterfeit	RUNNING
Health	Container Management	THE TOPIC OF THE DAY
	Safe & Sustainable Use Initiative (SUI)	RUNNING
	Epidemiology	RUNNING
	Closed Transfer Systems (NEW!!)	standardising interface container/CTS starting with 63mm cap/bottle .Discussed today
Water	Train Operators & Promote best Practices & Sustainability (TOPPs)	PRESENTED TODAY
	Vegetative Buffer Strips	Integrate VBS promotion in TOPPS project
	Provision of Analytical Standards	Move into operating phase within ECPA
	Water Management at Production sites (EWS audit & certification)	No longer as ECPA managed project, companies can continue on individual basis
Cross cutting	Demonstration Farms	Company contact person Confirmation of commitment
	Company Training Programme	RUNNING

Agri-Food Chain initiatives

- Agri-food chain coalition : Raise awareness about modern agriculture and the importance of innovation
- PARII-EFSA : impacted sector joint work and proposals
- Agri-Food chain roundtable on CPP's
- Minor uses coalition



Thank you
and let's drive contribution
to Sustainable Agriculture
TOGETHER!

www.ecpa.eu

www.hungry4change.eu

