Commission on Integrated Production Guidelines
from basic research
to applied Integrated Production
(in memory of Frank Wijnands)

Carlo Malavolta – Pro tempore Chairman of IOBC/WPRS Commission
IP Guidelines

IOBC
www.iobc-wprs.org
In memory of Frank Wijnands

Our highly regarded and very passionate IOBC colleague Frank Wijnands passed away suddenly in a hospital in Nairobi in March 2019.

With an entire carrier dedicated to Integrated farming, Frank became member in 2005 of the IP Commission and Chairman from 2014 till his death.

We never forget him and continue his work in his memory.

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IP commission members

- Frank Wijnands (Chairman) †
  WUR, Wageningen University and Research Centre, The Netherlands

- Carlo Malavolta (pro-tempore Chairman)
  DG Agricoltura, Regione Emilia-Romagna, Bologna, Italy

- Aude Alaphilippe
  INRA, Institut National de la Recherche Agronomique - Valence, France

- Bärbel Gerowitt → candidate new chairman after GA nov 2019
  University of Rostock, Faculty of Agricultural and Environmental Sciences, Germany;

- Adriana Escudero → new member since october 2019
  IRTA - Girona, Spain

- Corresponding members:
  Ernst F. Boller (retired) and Robert Baur, Agroscope Research Station Wadenswill, Switzerland
  Jesus Avilla Centre UdL-IRTA de R+D de Lleida, Spain

 ➔ IP Comm is still looking for new members, possibly specialist in annual crops

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The IP guideline commission (1991- )

Objectives – support and facilitate implementation of IP/IPM

- To establish a reference (framework and guidelines) on the base of IOBC/WPRS WGs and Commissions work and knowledge
- To support any organisation or individual that seeks to implement IP in practice by developing tools that enables and supports the implementation of IP into practice (Toolbox)
- To promote IPM and IP and support steps towards practical implementation of IP and IPM undertaken by governments, NGO’s, farmers organisations, companies or retailers.
- To benchmark any regional organisations that aim to produce certified IP products (endorsement procedure of Guidelines, not of the entire system)

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Report on the Activity
Period 2018 – 2019
The entire set of basic and related documents from IP Commission was updated. It consists of 3 documents:

- **IP objectives and principles**: general concept/framework of IP
- **General technical guidelines for IP production of annual & perennial crop**: provide the general agronomic rules and minimum requirements (mandatory) & recommendation
- **Crop specific guidelines**: are prepared on the basis of the ‘General technical guidelines for IP production’ with crop specific aspects and contain a list of ‘must’ and ‘should’ items.

The three levels in the guidelines belong together and should be considered and applied integrally.

- Guidelines are compiled based on expertise of the WGs.
IP&IPM sections of IOBC/WPRS Website was fully revised during same period 2018-2019 with a deep restyling made by IP Comm in agreement with Exec Comm (thanks to Madelein!).

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Integrated Production Objectives and Principles

Definition

IP (Integrated Production) is a concept of sustainable agriculture based on agro-ecology and a system approach that aims at contributing to sustainable, resilient, profitable and robust farming systems.

IPM (Integrated Pest Management) is the part of IP focusing on pests, pathogens and weeds.

Principles

- IP is an agro-ecology approach:
  That starts from the notion that a farm is an agro-ecosystem. IP focuses on managing ecological processes and their interactions within the farm and its related context (landscape and region), to optimise the use of internal farm resources, to minimise the need for external inputs and to avoid or minimise the effect of farming practices on the direct environment, future generations or conditions elsewhere in the world.

- IP is based on a system approach:
  Taking the farming system as a basic unit, the full potential of an agro-ecology approach can only be realized when all interactions between different elements of farming are utilized. Synergy between objectives might be realized.

Objectives

IP aims at contributing to sustainable, resilient, profitable and robust farming systems.

More can be found in download page.
Documents for Downloads

- Integrated Production Crop Specific Guidelines
  - Olives, 4th edition, 2018
  - Soft Fruits, 5th edition, 2018
  - Stone Fruits, 5th edition, 2019
  - Pome Fruits, 6th edition, 2019

  + Arable crops 2nd edition 2019
Framework – Standard for integrated production with 12 chapters

IP crop specific guidelines define the region specific details:

- site selection and site management
- biodiversity and ecological infrastructures
- propagation material, cultivar choice etc.
- rotation/cropping system
- soil management
- fertilisation
- irrigation
- integrated crop protection and weed control
- harvest
- post harvest management and storage
- GHG
- worker health, safety, welfare

+ New crops: soil less crops or in glasshouses.

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IP Crop specific guidelines: update!

- Updates made together with the WGs during their meeting:
  - Soft fruits: Riga (LT) Sep 2018
  - Pome & Stone fruits: Lisbon (PT) Jan 2019
  - Grapes: Vila real (PT) Nov 2019

- The arable crops guideline made by an expert group. (needs of a specific WGs!!)
  - Arable crops: Wageningen (NL) Mar 2019
IP Crop specific guidelines: update!

- **Future update:**
  - Field grown vegetables: 2020? (preliminary discussions during last WG meeting in UK Oct 2019)
  - Citrus: Sep 2020 (preliminary agreements with WG Chairman)
  - Protected crops 2020 (NEW!): (preliminary agreements with WG Chairmans for a specific adaptation of General IP GIs)

- **Future activities depend also on results of specific discussion during next Sunday morning about general objectives and strategy of IP Comm.**
Benchmark & endorsement

- In the past years, 4 growers’ organizations were endorsed:
  - 3 from Europe (Italy, Spain and France)
  - 1 from USA (Oregon)

- At present:
  - only 1 (LIVE – Oregon, USA) with simplified procedures

- From 2018, simplified endorsement procedure:
  - the IP Comm benchmarks only IP guidelines on request
  - declaration "Produced under IOBC IP endorsed guidelines"
    when the regional/organisation IP GIs sufficiently comply with
    the IOBC/WPRS IP GIs
  - IOBC does not endorse nor certify individual farmers practicing
    IP, but their organizations.

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Contacts with EU

- **IP Members were involved from the beginning** (2009) in the EU expert group on the Thematic Strategy on the sustainable use of pesticides (under *Directive 2009/128 – SUD*).

- **The documents produced by the IP Comm** are considered important as possible standard for both, a mandatory and a voluntary higher agro-environment level of IPM (or IP, respectively), as for example requested by SUD (including BTSF Training courses on SUD/IPM).

- **A possible future use of IP docs could be the future definition of the new “Ecoschemes” in future CAP 2021-2027** (contact with EU Comm to be taken to make influence on future EU policy)

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Contacts with other organisations

- After the first contacts with Europe in 2009, most of the contacts with EU representatives were facilitated by PAN Pesticide Action Network Europe representatives.
  - Main topic: the EU Directive on Sustainable Use of Pesticides.
- In agreement with the Ex Comm, the IP Comm has focused on supporting PAN’s constructive impact on policy making towards progress in implementing IP/IPM, but not in getting associated with the extreme “no pesticide”-attitude of PAN.
- Same approach was taken with IBMA, AREFLH and other similar organisation to collaborate in IPM and IP application.
Conclusions

- **IP Comm** could be an important tools to **promote IOBC output in IPM and IP** and also the image of our organization, but ...
  - ...we still need a **strong and continue support** from IOBC WGs and Commissions and also from Exec Comm.

- **A special thanks** all IOBC WG Chairmans and Members and to **Philippe Nicot** that always act as liaison in a very intensive and collaborative way!!
Thank you for your attention and join IOBC!

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