

Innovative design and management to boost functional biodiversity of organic



<http://coreorganicplus.org/researchprojects/ecoorchard/>

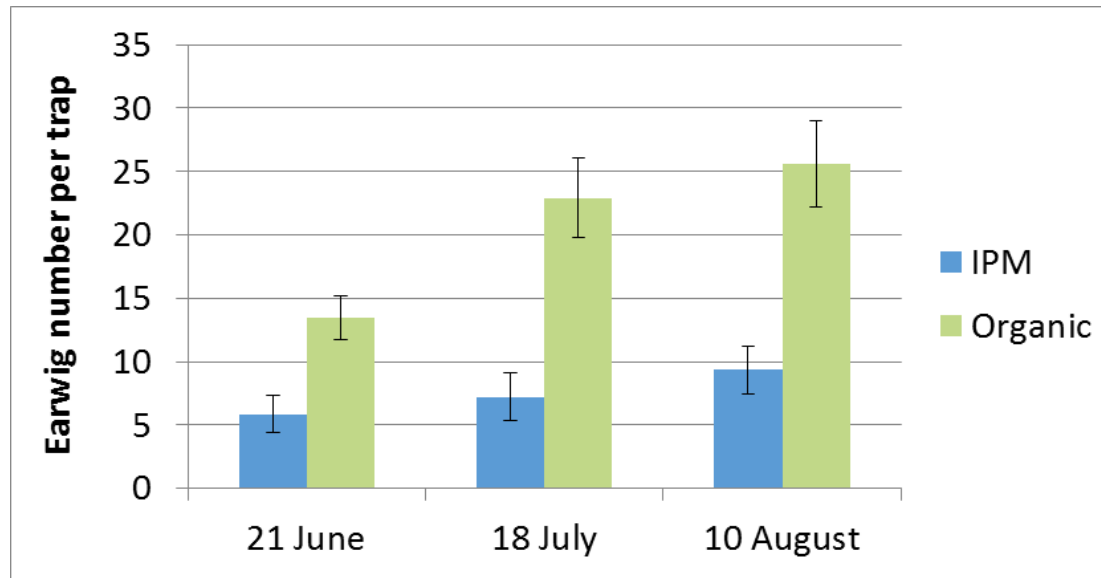


To assess how far functional biodiversity can reduce pest damage and pesticide use in organic apple orchards.

Laurent Jamar

WP2 Assessment of functional agrobiodiversity in apple and pear orchards in Belgium

- Survey and monitoring of key beneficials in 6 « Organic » vs « 6 IPM » professional orchards

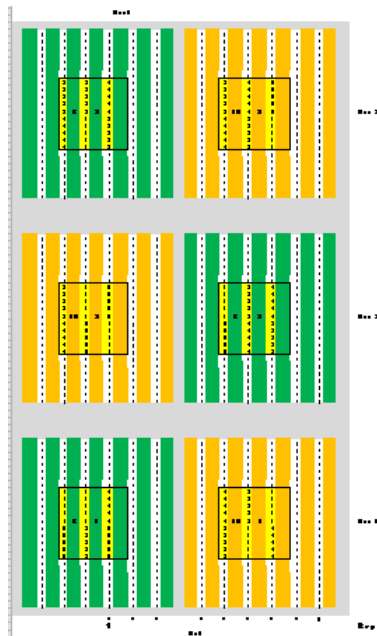


WP3 - Study of the influence of flower strips boosting functional biodiversity

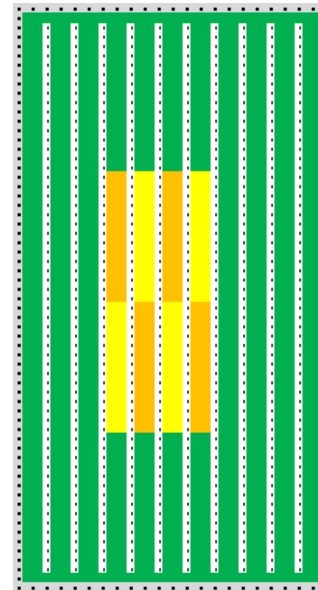
Experimental design – Influence of central flower strips placed between wheels of the tractor - Gembloux Belgium



ENTO



BOTA



- Sentinelle prey assessment
- Beating sampling
- Monitoring leaves and fruit pest symptoms





Fruit Tree Genetic Resources Private/Public Partnerships Projects boosting uses of Genetic Resources and Public Awareness

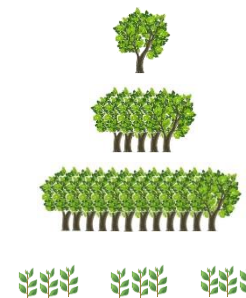
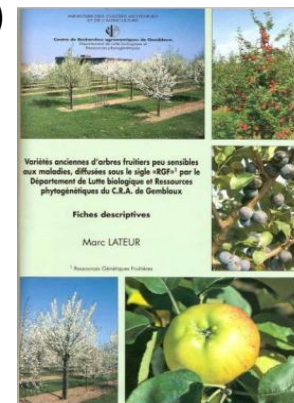
Marc Lateur

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<http://cra.wallonie.be/>

3. Promoting USES of FTGR – Public/Private/Partnership's

3.1. Partnership with SME nurseries:

- Creation of a kind of label on the new concept of « selected FTGR cvs »: **'RGF-Gembloux' = Fruit Genetic Resources**
- Since 1985 onward, releasing 2-3 old cvs per year, currently up to **32 'RGF-Gembloux' cvs** are released (apple, pear, plum, cherry,...)
- Building partnership with a network of **27** private SME nurseries.
- Building a partnership for producing quality propagation plant material : budwood mother trees.
- **5000 to 7000** budwood sticks are yearly produced
- **20-25.000 'RGF-Gembloux' cvs** trees are on the market.



3. Promoting USES of FTGR – Public/Private/Partnership's

3.1. Partnership with SME nurseries : *'Too many not true to type trees'*

- Building on a participative approach with a group of private nurserymen a

QUALITY CHARTER



that certified and promote:

- Selected robust and disease tolerant old cvs;
- **Guaranteed identity** of the cvs on the market by using **TRACEABILITY** along the chain : budwood, label, unique ID / nursery;
- Quality propagation material (CAC, Virus Tested & Virus Free)

3. Promoting USES of FTGR – Public/Private/Partnership's



Les anciennes variétés fruitières
RGF de Gembloux

Tolérantes aux maladies

L'Étiquette CERTIFRUIT
garantit l'identité
des variétés

cra-w

Toutes ces variétés sont à découvrir chez les pépiniéristes
& revendeurs CERTIFRUIT

www.certifruit.be

www.biodimestica.eu



CERTIFRUIT – Quality Charter for FTGR



Centre wallon de Recherches agronomiques

3. Promoting USES of FTGR – Public/Private/Partnerships

3.2. Partnership with fruit processing enterprises:

- Partnership with enterprises for screening old cvs for specific technologic properties and agronomic features (adaptation for semi-intensive industrial orchards):

- « Payottenlander »
(Organic Fruit juices)



- « STASSEN »: Cider & juice +
PPP breeding project red fleshed apple



- « Cidrerie du Condroz » : Cider &
Juice - Agroforestry



3. Promoting USES of FTGR – Public/Private/Partnerships

Transborder participatory breeding programme with private growers (Organic and IPM)

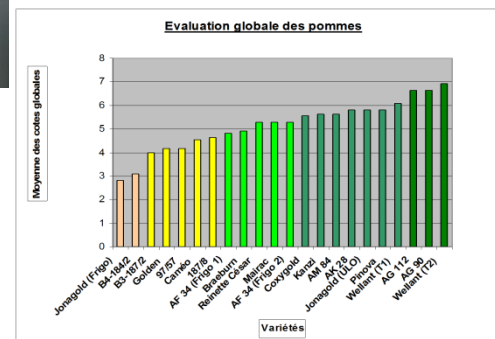


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Transborder participatory breeding programme with private growers (Organic and IPM)



First released cv:
‘Coxybelle’



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Transborder participatory breeding programme with private growers (Organic and IPM)

« NOVAFRUITS – Heritage & sharing innovation »

- Transborder participatory breeding association
- 23 organic regional growers
- 2 public Regional Institutes
- Collaboration Agreements

