

## WP9 - Dissemination and communication

# BOOKLETS & INSPIRATION SHEETS

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IWMPRAISE

EU grant agreement No.727321



## IWMPRAISE Booklets

**Booklet features (according to the *Grant Agreement – 727321*):**

- disseminate knowledge **in simple words** in order to communicate innovation aspects and strategies
- **locate and describe** objectives, layouts, experimental methodologies and results of the project trials
- a tool to involve and engage end-users of IWM in participatory **field days** with the highest transparency
- **freely** reproducible and made **freely** available
- **scientific rigor** and field experiments based

## IWMPRAISE Booklets

- The booklets describe and present the results of experimental trials carried out by partners from 8 European Countries (Spain, Italy, Slovenia, Switzerland, France United Kingdom, The Netherlands and Denmark).

### 4 EDITIONS

- Booklet **2018** edition:
  - published on 19 December 2018 on the project website
  - **86 pages**, presentation of **implemented trials**
- Booklet **2019** edition:
  - published on 20 August 2019 on the project website
  - **150 pages**, presentation of **all trials**

## IWMPRAISE Booklets

- Booklet **2020** edition:
  - published on **1 June 2020** on the project website
  - **200 pages**, intermediate results
- Booklet **2022** final edition:
  - published on **17 June 2022** on the project website
  - **250 pages**, final results

All 4 booklets are downloadable (<https://iwmpraise.eu/publications//>)

For each booklet: *Indesign* files uploaded on the project Intranet  
for **translation** in National languages



IWM PRAISE  
Integrated Weed Management: PRactical Implementation and Solutions for Europe

## EXPERIMENTAL TRIALS IN EUROPE 2018 EDITION



This project has received funding from the European Union's Horizon 2020 research and innovation programme under agreement no. 727321



IWM PRAISE  
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## EXPERIMENTAL TRIALS IN EUROPE 2019 EDITION



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IWM PRAISE  
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## EXPERIMENTAL TRIALS IN EUROPE 2020 EDITION



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IWM PRAISE

Integrated Weed Management: PRactical Implementation and Solutions for Europe

# EXPERIMENTAL TRIALS IN EUROPE 2022 FINAL EDITION



This project has received funding from the European Union's Horizon 2022 research and innovation programme under agreement no. 727321

## IWMPRAISE Booklets

More figures of the **2022 final edition**:

- **250** pages (+184% from first edition)
- **182** photos
- **40** maps/aerial photos
- **201** tables
- **191** graphs

## A collective work...

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## IWMPRAISE Inspiration Sheets (IS)

IS features (according to the *Grant Agreement – 727321*):

- **ultra-short** sheets (1-2 pages with minimal statements and good illustrations)
- can be used for **handouts** at participatory field days
- may be **downloaded** by interested users directly from the websites: <https://iwmpraise.eu/publications/>

## INTEGRATED WEED MANAGEMENT (IWM)

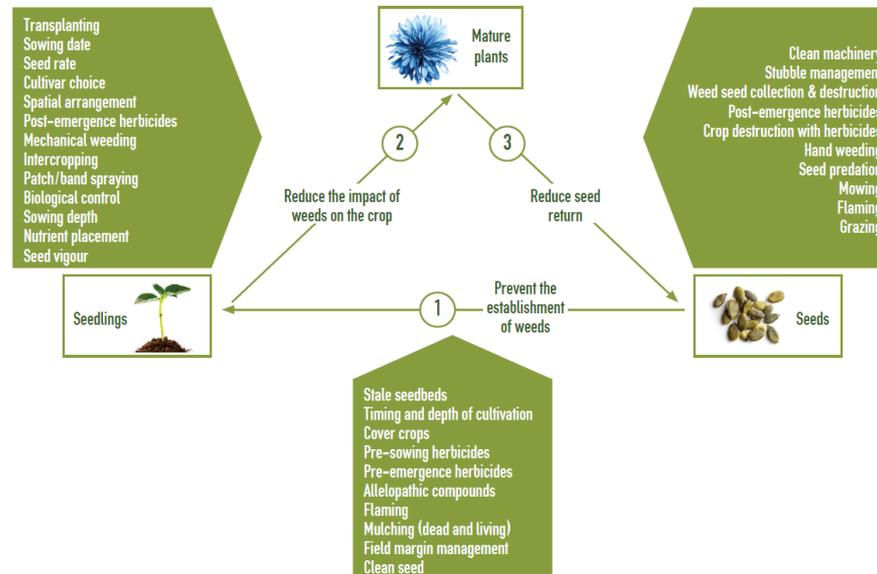
Integrated Weed Management (IWM) is a complex system approach in which many tools and tactics are combined to manage weeds. In order to support farmers in defining integrated weed management strategies we propose a framework consisting of 5 different pillars for integrated weed management. Each pillar contains a list of tactics. The tactics affect one or more parts of the weed life cycle (Figure 1) or affect the weed-crop interaction. The framework was developed based on literature review and expert interviews in participating countries.

### DID YOU KNOW?

The implementation of integrated weed management strategies using different tools and tactics can significantly reduce the use of herbicides

### SOME QUOTES FROM EXPERT INTERVIEWS PERFORMED THROUGHOUT EUROPE ABOUT THE MEANING OF IWM:

- “Using different strategies and tactics to manage weeds”
- “To know your fields and know what kind of problems there were last year. Build your plan on that experience and even better prevent that those weed problems come back again by growing crops that can control them and stabilize your soil”
- “It consists in minimizing the negative effect of weeds on the main crop with a viable agronomic management, economically profitable and preserving natural resources”
- “It implies the knowledge of the biology and ecology of weeds”
- “Use many tools at once, combination of chemical and mechanical control, prevent weeds establishment, combination of short and long term considerations”

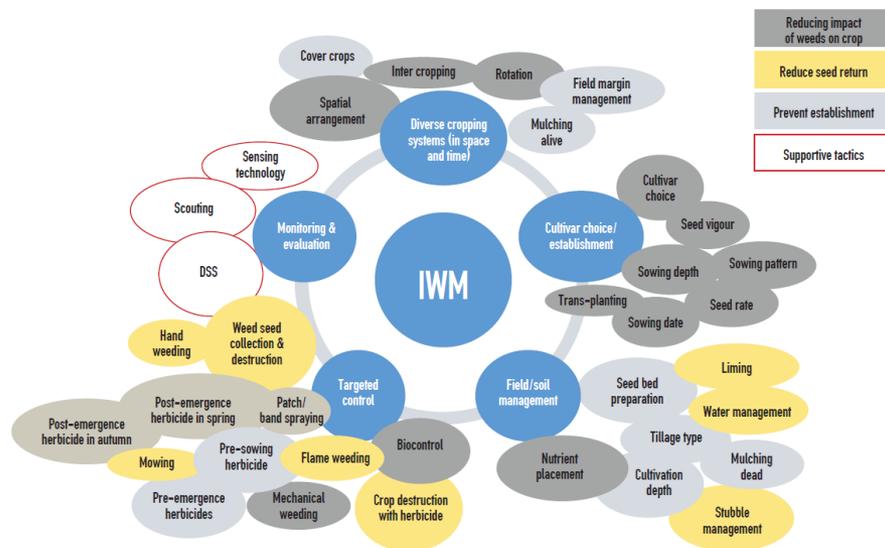


**Figure 1** - Integrated weed management tactics may affect one or more axes in the weed life cycle. They may prevent the establishment of seedlings from the seedbank (axis 1), reduce the impact established weeds have on the crop (axis 2), or reduce the weed seed/bud return to the soil (axis 3)

## INTEGRATED WEED MANAGEMENT (IWM)

### SUCCESSFUL IWM STRATEGIES WILL COMBINE TACTICS FROM ALL OR MOST OF THESE 5 PILLARS OF THE IWM FRAMEWORK (Figure 2):

1. Diverse cropping system for increased or equal crop yields or profitability compared to conventional systems
2. Cultivar choice and establishment: selecting weed-suppressive and tolerant crops
3. Field and soil management, enhancing crop growth
4. Targeted control tactics to disturb weeds life cycle
5. Monitoring & evaluation



**Figure 2** - Five pillars of Integrated Weed Management (blue) with examples of weed management tactics and the key mechanism with which the tactic contributes to reduce weed pressure in the crop

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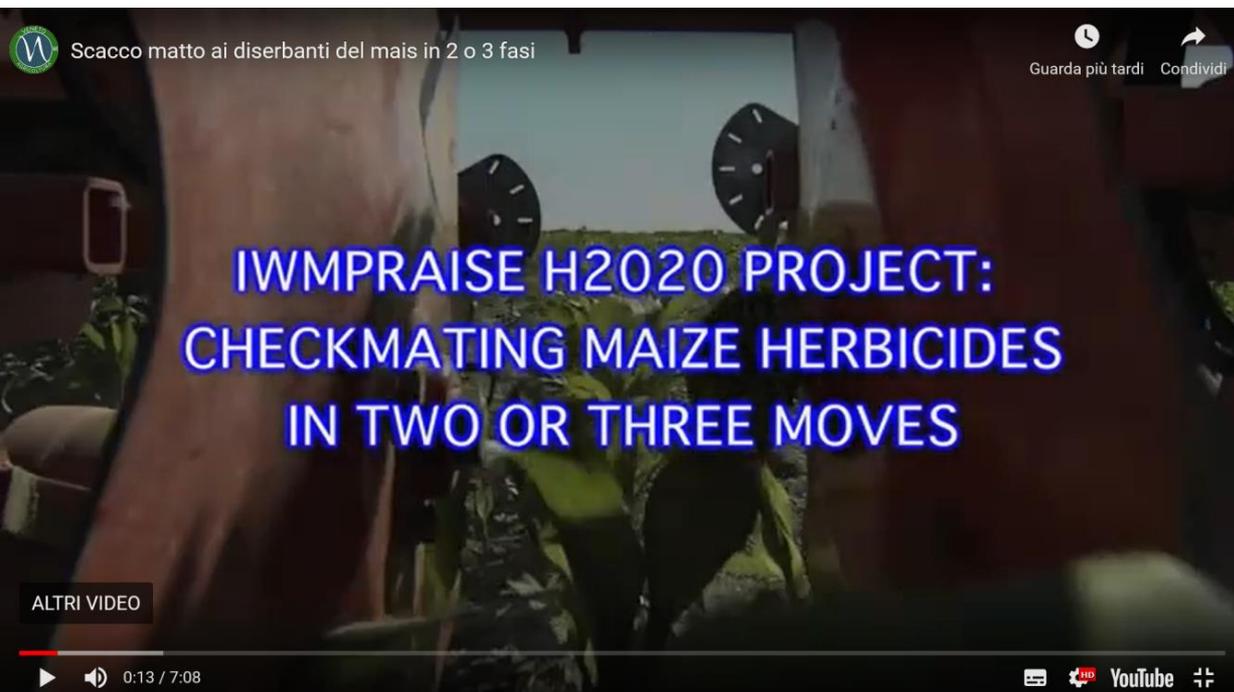
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## IWMPRAISE Inspiration sheets

The project produced **29** Inspiration sheets

- **8** monographs of weeds
- **5** on mechanical weeding
- **3** on cover crops and intercropping
- **3** on IWM in olive cultivation
- **2** on IWM in vineyards
- **2** on IWM without glyphosate
- **1** on biological weed control, rotations, hot-water application, sowing date delay, flame weeding and basic principles of IWM

## IWMPRAISE videos



[https://youtu.be/l\\_8SyhShbl4](https://youtu.be/l_8SyhShbl4)

## IWMPRAISE dissemination papers

Significant results have been published by the Italian Cluster on the most important agricultural magazine “L’Informatore Agrario”

### DIFESA DELLE COLTURE

● RISULTATI DEL PROGETTO EUROPEO HORIZON 2020 IWMPRAISE

## Quali soluzioni per una gestione integrata delle infestanti

Le tecniche colturali sperimentate in Italia nell’ambito del progetto IWMPRAISE (diversificazione dei sistemi colturali attraverso bulatura, pacciamatura viva e permanente e controllo mirato delle infestanti su mais e frumento) hanno evidenziato la possibilità di realizzare sistemi colturali più sostenibili e resilienti senza mettere a rischio la redditività delle colture

a cura del Cluster Italiano  
di IWMPRAISE

T applicazione dei principi del-

grata delle infestanti.  
IWMPRAISE (Gestione integrata delle  
malerbe: implementazione pratica  
e soluzioni per l’Europa) è un proget-

Spagna, Slovenia, Svizzera, Francia, Regno Unito, Olanda e Danimarca) e comprendono 11 Università e Istituti di ricerca, 14 industrie e piccole o medie imprese e 12 tra centri di assistenza agricola e associazioni di settore. Le informazioni sul Progetto IWMPRAISE sono disponibili oltre che nel sito principale (<https://iwmpraise.eu/>), anche in versione italiana sul sito di Veneto Agricoltura ([www.venetoagricoltura.org/progetti/iwmpraise/](http://www.venetoagricoltura.org/progetti/iwmpraise/)).

**Culture e scenari  
allo studio**

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Con la collaborazione di Dondi spa e Isea srl

<https://iwmpraise.eu/news-from-italian-cluster-january-2022/>

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# Thank you for your collaboration!



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RESEARCH



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& TERRITOIRES  
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