



1st CIRCULAR

The Agricultural Research Organization
of Israel and the European Weed
Research Society
cordially invite you to participate in the
International Workshop on:

SITE SPECIFIC WEED MANAGEMENT IN PRACTICE STATE OF ART AND NEW CHALLENGES IN THE TECHNOLOGICAL ERA

**A joint workshop of working groups:
Site specific weed management & Weed
management in arid and semi-arid ecosystem**

That will take place at

Newe Ya'ar Research Center, ARO, ISRAEL

7 - 10 July 2015

As a satellite workshop to the European
Conference of Precision Agriculture (ECPA) that
will be held in Israel on 12-17 July 2015



We are pleased to invite you to our next working groups workshop. The objective of the workshop is to discuss available technologies and methods for site specific weed management in irrigated row crops and to demonstrate it in practice in the field. This technology includes various scales of remote sensing like remote sensing, UAV carried sensing, proximal sensing and local meteorological data collection, to be integrated into spatio-temporal decision models. Key barriers preventing wider adoption of site specific weed management in farm level will be discussed.

A forum of weed scientists, engineers and socio-economic scientists will be active in the workshop. We believe that the integration of both WG's will lead to a synergy and will create a fruitful environment for discussion and further collaboration.

The workshop will be focused on data collection (temporal and spatial), data analysis and development of a decision support system for site specific weed management. Activities will be based on shared data obtained from field experiments specially prepared in advanced for the workshop.

The structure of the workshop will include hands-on activities in small groups as well as general discussions of the collected data.

***The official language of the conference is
English***

Participation

If you would like to participate and contribute to the workshop please contact Hanan Eizenberg (eizenber@volcani.agri.gov.il) or Svend Christiansen (svc@plen.ku.dk) for more details. In order to allow high quality discussion and activities the number of participants is limited to 40. Participants will be asked to state their

contribution to the workshop and will be selected by the scientific committee. We hope to have enough funds to support up to 10 students and young scientists according to the EWRS rules. Please encourage your students to attend the joint workshop.

If you are interested, please send your application and a short abstract (up to 100 words) before 1st April, 2015 to Hanan Eizenberg (eizenber@volcani.agri.gov.il) or Svend Christiansen (svc@plen.ku.dk).

The abstract should include:

- Your experience in SSWM and relevant publications.
- A statement how can you contribute to the workshop.

Participants are expected to attend all activities and to share their expertise in SSWM.

Expected output

- Common understanding of different sensing methods, data processing, decision models, spatial application methods
- Joint publications
- Preparation for joint grant applications
- Networking

Venue

The workshop will be located near **Newe Ya'ar Research Center**, Agricultural Research Organization - the Volcani Center ARO, Israel. Newe Ya'ar is the northern Research Institute of the Volcani Center, located in the heart of an intensive agricultural area of field crops, vegetables and woody perennials (150,000 ha). Field experiments will be established especially for the workshop in a farm of Kibbutz Ein-Harod Ihud, which is equipped with modern tools of precision agriculture technology and site specific weed management.

Temperature ranges in the Yizre'el valley in July between 34°C during the day and 20°C during the night.

Accommodation

Participants will be accommodated in 'Pina Ba'emek' country lodging, Kibbutz Mizra that is located about 20 minutes from the field, 15 minutes from Nazareth and 40 minutes from Haifa (<http://www.mizrabb.co.il/indexe.html>). Mizra is connected by public bus transportation to Haifa train station that is further connected to all parts of Israel. The area is surrounded by many touristic attractions e.g. Nazareth, the Sea of Galilee, the Mediterranean coast, Haifa (the Baha'i gardens), 75 minutes from Tel Aviv and Jerusalem, and many national parks. There are several room standards. Prices include free WIFI and breakfast:

	Price in Euros
Standard room for single	77
Standard room for two	90
Twin room with garden view for single	92
Double room with garden view	108
Room with view for single	109
Room with view for two	129
Deluxe + Jacuzzi for single	101
Deluxe + Jacuzzi for two	119

Registration

No registration fee will be collected. The organizing committee will cover all other expenses, including transportation (only during the workshop), lunch box and dinner.

Provisional program

Before the workshop

Field preparation for experimental campaigns will be established in advance, one month before the workshop. The experiments will include two maize fields at different phenological stages that will be naturally infested by weeds. Data of remote sensing will be collected by satellite, unmanned aerial vehicle (UAV), and from a proximal sensing system. Raw data, the output of the remote sensing will be stored in an ftp server for the use and practice of participants.

During the Workshop

There will be no opportunity to give a formal presentation of your research or a poster. The following topics will be discussed in small groups and also as a general discussion:

- Challenges and opportunities in site specific weed management
- Data collection and dataset from the field experiments.
- Socio-economic aspects in site specific weed management - from the lab to wide use of the technology.
- Measurements and observations in experimental site.
- Pros and cons of different sensing methods, data processing, decision models and spatio-temporal application methods.
- Demonstration of remote sensing equipment.

Local Scientific and Organizing Committee:

Hanan Eizenberg (chair), Baruch Rubin, Shay Meytal, Victor Alchanatis, Eitan Avivi

Scientific Committee:

Hanan Eizenberg (Chair), Svend Christiansen, Baruch Rubin



Sponsors:



European Weed Research Society



Faculty of Science, University of Copenhagen



Newe Ya'ar Research Center, ARO

