

**EWRS JOINT WORKSHOP IN HUESCA (SPAIN)**  
**PROGRAM**

**Sunday 4<sup>th</sup> September**

- 18:30 **Registration** at the ABBA Hotel in Huesca
- 19:30 **Welcome drink** at the ABBA Hotel and dinner on your own

**Monday 5<sup>th</sup> September**

07:45 Bus departure to EPS (venue of Workshop) from “Estación Intermodal” of Huesca (5 minutes walking from ABBA Hotel)

08:00 Registration at EPS (Polytechnic School of Huesca)

08:30 **Opening Address:** University of Zaragoza and Local Authorities, Prof. B. Rubin, Dr. E. Pannacci, Dr. C. Zaragoza Coordinators of Working Groups and Scientific Organizers.

09:00 **Keynote address:**

(1) **Restrictions on herbicide use in the European Union.** Andreu Taberner, University of Lleida and Plant Protection Center.

**Session 1 - Weed biology, ecology and modelling** – Chair S. Vrbnicanin, C. Zaragoza

09:30 (2) **Effect of nicosulfuron on biological production of *Xanthium strumarium* L.** D. Bozic, S. Vrbnicanin, M. Saric, E. Onc-Jovanovic

09:50 (3) **Effect of soil burial depth on seedling emergence of *Amaranthus retroflexus*.** A. Taab, M. Mottaghi Shahir;

10:10 (4) **Seedling emergence of *Amaranthus blitoides* affected by soil burial depth.** A. Taab, M. Akbari, S. Anbari

10:30 Coffee break

11:00 (5) **Spread of weed seeds by cattle manure- is there a danger of infesting farmers' fields with weeds?** Y. Goldwasser, J. Miron, M. Sibony, P. Sorek, E. Yosef and B. Rubin

11:20 (6) **Persistence of main weeds in dryland cereals despite of high predation by harvester ants (*Messor barbarus* L.).** V. Atanackovic, B. Baraibar and P.R. Westerman

11:40 (7) **A time thermal model for predicting the parasitism of *Orobanche cumana* in sunflower- five years of field validation.** H. Eizenberg, J. Hershenhorn, G. Achdari, and J. E. Ephrath.

12:00 (8) **Assessing arable plant richness during 3 years in no-till and till fields.** J. Torra, A. Juarez, A. R. Esnal, X. O. Solé, J. A. Conesa and J. Recasens

12:20 Discussion

12:40 Lunch

- 14:30 **Poster Session 1 (see Poster titles at the end).** Session organizer: H. Eizenberg, J. Torra
- 16:30 Coffee break
- 17:00 **Round table: Present situation of weed science in Mediterranean climate areas (B. Rubin, E. Pannacci, J. Recasens, A. Uludag)**
- 19:00 Bus departure to “Estación Intermodal” of Huesca
- 20:00 Dinner on your own

## **Tuesday 6<sup>th</sup> September 2011**

- 08:15 Bus departure to EPS from “Estación Intermodal”
- 08:30 Registration
- 09:00 **Keynote address:**  
(9) **Evolution of herbicide-resistant weeds in the Mediterranean region – causes, mechanisms and management.** Baruch Rubin

### **Session 2 - Herbicide resistance and integrated weed management in arid and semi arid farming systems: dry-land crops and irrigated crops – Chair S. Knezevic, A. Taberner**

- 09:30 (10) **Multiple herbicide resistance in ryegrass (*Lolium rigidum*) in Israel.** M. Matzrafi and B. Rubin
- 09:50 (11) ***Conyza bonariensis* glyphosate-resistant: the need for a new approach.** M.A. Sevillano, J. Trigo, G. Pardo, J.M. Urbano
- 10:10 (12) **Effect of deficit irrigation practice on the weed flora in corn (*Zea mays* L.).** V. E. Kotoulas, I. S. Travlos, D. Voloudakis and G. Economou
- 10:30 Coffee break
- 11:00 (13) **Effects of long term irrigation with reclaimed wastewater on the efficacy and fate of ALS inhibiting herbicides in the soil.** G. Dvorkin, M. Manor, M. Sibony, B. Chefetz and B. Rubin
- 11:20 (14) **Changes on plant assemblages in dryland landscape depending on irrigation gradients.** X. Solé-Senan, A. Juarez, J. A. Conesa, A. Royo-Esnal, J. Torra, J. Recasens
- 11:40 (15) **Weed control with flaming and cultivation in corn.** S. Knezevic, A. Datta, S. Stepanovic, C. Bruening, B. Neilson, and G. Gogos
- 12:00 Discussion
- 12:30 Lunch
- 15:00 **Poster Session 2.** Session organizer: J.M. Urbano
- 16:00 Coffee break
- 16:30 **Meeting of working group “Weed management in arid and semi-arid climate”**

- 17:30 **Meeting of working group “Weed management systems in vegetables”**
- 18:30 Bus departure to “Estación Intermodal” of Huesca
- 20:00 Dinner on your own

### **Wednesday 7<sup>th</sup> September 2011**

- 08:45 Bus departure to EPS from “Estación Intermodal” of Huesca
- 09:00 **Keynote address:**  
(16) **Integrated weed management systems in vegetables in the Mediterranean area.** E. Pannacci and F. Tei
- Session 3 - Integrated weed management in vegetables and other minor crops – Chair G. Economou,**
- 09:30 (17) **Application of residual herbicide by mechanical soil incorporation in drip irrigated crops.** Y. Kleifeld and the "Netafim" Agriculture Department team
- 09:50 (18) **Applying herbicides by chemigation via low flow drip irrigation.** Y. Kleifeld and the "Netafim" Agriculture Department Team
- 10:10 (19) **Purple nutsedge (*Cyperus rotundus* L.) can be controlled by paper mulch in tomato crop.** A. Cirujeda, J. Aibar, C. Zaragoza
- 10:30 Coffee break
- 11:00 (20) **Broomrape control - difficulties and solutions.** Y. Goldwasser
- 11:20 (21) **The problematic of weeds in the cultivation of saffron (*Crocus sativus*) and mechanical solutions for control.** A. Marí, A. Cirujeda, J. Aibar, S. Fernández-Cavada, C. Zaragoza
- 11:40 Discussion
- 12:00 **Poster Session 3.** Session organizer: E. Pannacci, J. Aibar
- 13:00 Lunch
- 14:30 **Field excursion:** To an extensive vegetable production area. Organizers: J. Aibar, C. Zaragoza, S. Fernández-Cavada.
- 20:30 Farewell dinner (Restaurant La Confianza. Downtown Huesca).

### **Thursday 8<sup>th</sup> September 2011**

- 09:00 **Keynote address:**  
(22) **Eye on Earth: A citizen science tool for invasive alien species invasions.** A. Uludag, M. Bruun
- Session 4 - Invasive and parasitic weeds - Chair S. Fernández-Cavada**

- 09:30 (23) **Weed invasions in the Mediterranean with selected examples.** A. Uludag , I. Uremis , and H. Zengin
- 10:10 (24) **Management practices of field dodder (*Cuscuta campestris*).** B. Rubin
- 10:30 Coffee break
- 11:00 (25) **How does irrigation management influence on alien species assemblages?** A. Juarez, X. O. Solé, J. A. Conesa
- 11:20 Discussion
- 12:30 Plans for the future and concluding remarks
- 13:30 Lunch

## List of Posters

### Poster Session 1 - Weed biology, ecology and modelling

- (26) **Ecobiological study of cereal weed flora: Case of grassy weeds in West Algeria.** Y. Bouchikh, J. Anteur, A. Labani, M. Terras
- (27) **Corn yield components as influenced by the competitive weed species and the time of their emergence.** I. S. Travlos and G. Economou
- (28) **Influence of velvetleaf (*Abutilon theophrasti* Medik.) density in corn on its growth and seed production.** S. Vrbnicanin, E. Onc-Jovanovic, Z. Gavrilovic, M. Saric, D. Bozic
- (29) **Temperature effects on common cocklebur (*Xanthium strumarium* L.) seed germination.** M. Saric, D. Bozic, S. Vrbnicanin, D. Pavlovic
- (30) **Simulation of climate change impacts on weeds distribution. Studying the case of wild oat in Greece.** D.S. Voloudakis, V.E. Kotoulas, I.S. Travlos and G. Economou
- (31) **The role of interspecific competition on *Tribulus terrestris* seedling emergence and survival rate in an uncropped field.** M.T. Mas ans A.M.C. Verdú
- (321) **Changes on weed flora from 1976 and thirty years later in Spanish winter cereals.** A. Cirujeda, A. Marí, J. Aibar, C. Zaragoza
- (33) **Seasonal changes in weed vegetation on arable Pannonian sand and loess lands in Hungary.** A. Tóth, Á. Balogh, B. Wichmann, I. Dancza, K. Penksza
- (34) **Weed composition on arable lands and on pastures as a special subset of invasive plants in Hungary.** Á Balogh, A. Tóth, K. Penksza, B. Wichmann, I. Dancza
- **Poster Session 2 - Herbicide resistance and integrated weed management in arid and semi arid farming systems: dry-land crops and irrigated crops**
- (35) **Management of delay sowing date in rainfed cereal systems in NE of Spain for control of *Bromus diandrus*.** A.L. García, A. Royo-Esnaol, J. Torra, and J. Recasens
- (36) **Effects of the weed density on grass yield of Alfalfa (*Medicago sativa* L.) in different row spacing applications.** S. Zorer Celebi, I. Kaya, A. Korhan Sahar and R. Yergin

- (37) **Successful establishment of alfalfa through the selection of weed competitive cultivars and early herbicide application.** I. S. Travlos, G. Economou and A. Gatos
- (38) **Validation of PCR reaction for detection of genetically modified crops.** K. Chul Cho, S. Ee Han, D. Hyuk Seo, J. Eun Park, A Reum Han, M. Hyun Cho, E. Koo, J. Jeong, J. Hee Hwang, S. Jung Kang, D. Hyun Cho
- (39) **Herbicide resistant *Lolium rigidum* integrated control in extensive rainfed crops.** J.M. Montull, and A. Taberner.
  
- **Poster Session 3 - Integrated weed management in vegetables and other minor crops**
  
- (40) **Solutions to the loss of active ingredients for weed control in field vegetable and fruit crops.** J. Atwood, L.Tatnell, A. Richardson, C.Knott, T. O'Neill and A. Huckle
- (41) **Allelopathic effects of mugwort (*Artemisia vulgaris* L.) on seed germination and growth of *Sinapis alba* L.; *Triticum aestivum* L. and *Lolium multiflorum* Lam.** E. Pannacci; D. Pettorossi; L. Regni; F. Tei
- (42) **Determination of alfalfa dodder (*Cuscuta approximata* Bab.) damage on alfalfa (*Medicago sativa* L.) grown in Van, Turkey.** E. Anac, I. Kaya and I. Tepe