

FIRST INTERNATIONAL RAGWEED CONFERENCE
10-13 September 2008
Budapest, Hungary

FINAL PROGRAM

Wednesday, 10 September 2008

17:00 – 19:00
Registration

19:00 – 21:00
Welcome reception

Thursday, 11 September 2008

9:00 – 9:10
Opening remarks

9:10 – 9:20
Welcome address

Session 1

Introduction to the ragweed problem

Chairs: Zsuzsa Basky & Bruno Chauvel

9:20 – 9:40

**THE AMBROSIA ARTEMISIIFOLIA INVASION IN EUROPE:
GENETIC PATTERNS OF COLONISATION AND ECOLOGICAL FACTORS
PROMOTING INVASION SUCCESS**

Jacqui A. Shykoff¹, Benjamin J. Genton¹, Tatiana Giraud¹ and Levente Kiss²

¹*Université de Paris-Sud/CNRS, Orsay, France*

²*Plant Protection Institute of the Hungarian Academy of Sciences, Budapest, Hungary*

9:40 – 10:00

**AN OVERVIEW OF RISING CARBON DIOXIDE, CLIMATIC CHANGE AND
RAGWEED BIOLOGY**

Lewis H. Ziska

USDA-ARS, Crop Systems and Global Change Laboratory, Beltsville, MD, USA

10:00 – 10:20

**RAGWEED (*AMBROSIA* SPP.) ERADICATION AND THE FRAIBERG'S
JUDGEMENT OF 2007**

Paul Comtois

Département de Géographie, Université de Montréal, Montréal, Canada

10:20 – 10:40

Coffee break

*Session 1****Introduction to the ragweed problem (cont.)***

Chairs: Lewis H. Ziska & Levente Kiss

10:40 – 11:00

EFFECT OF NATIVE APHID SPECIES ON THE DEVELOPMENT OF INVASIVE RAGWEED (*AMBROSIA ARTEMISIIFOLIA* L.) IN HUNGARY

Zsuzsa Basky

Plant Protection Institute of the Hungarian Academy of Sciences, Budapest, Hungary

11:00 – 11:20

EFFECT OF SEED BURYING ON SEEDLING EMERGENCE OF *AMBROSIA ARTEMISIIFOLIA* L.Jean-Philippe Guillemin¹, C. Reibel¹ & Bruno Chauvel²¹*ENESAD – UMR Biologie et Gestion des Adventices, Dijon, France*²*INRA - UMR Biologie et Gestion des Adventices, Dijon, France*

11:20 – 11:40

***AMBROSIA ARTEMISIIFOLIA* IS JOINT HOST OF TOMATO SPOTTED WILT TOSPOVIRUS (TSWV) AND OF ITS TRANSMITTERS, *THRIPS TABACI* AND *FRANKLINIELLA OCCIDENTALIS* IN HUNGARY**Gábor Jenser¹, Balázs Kiss¹ & András Takács²¹*Plant Protection Institute Hungarian Academy of Sciences, Budapest, Hungary*²*Pannon University, Georgikon Faculty of Agricultural Sciences, Keszthely, Hungary*

11:40 – 12:00

WHAT ARE THE KEYS OF THE SUCCESS OF *AMBROSIA ARTEMISIIFOLIA* IN FRANCE?

Bruno Chauvel

INRA - UMR Biologie et Gestion des Adventices, Dijon, France

12:00 – 12:20

THE EFFECT OF EMERGENCE TIME ON THE PHENOPHASES, POLLEN AND SEED PRODUCTION OF COMMON RAGWEED (*AMBROSIA ARTEMISIIFOLIA*)

Gabiella Kazinczi & Imre Béres

University of Pannonia, Georgikon Faculty, Keszthely, Hungary

12:20 – 13:40

Lunch*Session 2****The ragweed pollen: factors influencing its production and spreading***

Chairs: Anna Páldy & Michel Thibaudon

13:40 – 14:00

FRANCE–RAGWEED: A LONG TIME FIGHT

Michel Thibaudon & Gilles Oliver

Réseau National de Surveillance Allergique, St Genis l'Argentière, France

14:00 – 14:20

WIND DISPERSAL AND CLUMPING OF RAGWEED POLLEN

Michael D. Martin¹, Marcelo Chamecki¹, Grace S. Brush¹, Charles Meneveau¹ & Marc. B. Parlange²

¹*Johns Hopkins University, Baltimore, MD, USA*

²*Ecole Polytechnique Fédérale de Lausanne, Switzerland*

14:20 – 14:40

AEROBIOLOGICAL MARKERS OF RAGWEED INVASION IN SWITZERLAND

Bernard Clot¹ & Barbara Pietragalla²

¹*MeteoSwiss, Payerne, Switzerland*

²*MeteoSwiss, Zürich, Switzerland*

14:40 – 15:00

RAGWEED POLLUTION IN HUNGARY, 1992-2007

Anna Páldy & Dóra Apatini

National Institute of Environmental Health, Budapest, Hungary

15:00 – 15:20

INTERNATIONAL COLLABORATION PROJECT FOR FORECASTING AMBROSIA POLLEN

Regula Gehrig¹, Annalisa Ariatti², Joe Russo³ & Bernard Clot⁴

¹*MeteoSwiss, Zürich, Switzerland*

²*Pennsylvania State University, USA*

³*ZedX, Payerne, USA*

⁴*MeteoSwiss, Payerne, Switzerland*

15:20 – 15:40

Coffee break

Session 3

The ragweed pollen allergy: immunological and public health issues

Chairs: Anna Erdei & Lorenzo Cecchi

15:40 – 16:00

THE IMMUNOLOGY OF ALLERGIC REACTIONS AND POSSIBILITIES FOR INTERVENTION

Anna Erdei

¹*Eötvös Loránd University, Budapest, Hungary and Immunology Research Group of the Hungarian Academy of Sciences at Eötvös Loránd University*

16:00 – 16:20

BURDEN OF RAGWEED ALLERGY IN HUNGARY

Kristóf Nékám¹ & Anna Páldy²

¹*Hospital of the Hospitaller Brothers in Buda, Budapest, Hungary*

²*National Institute of Environmental Health, Budapest, Hungary*

16:20 – 16:40

RAGWEED POLLEN ALLERGENS FOR DIAGNOSIS AND THERAPY

Gabriele Gadermaier, Fatima Ferreira & Nicole Wopfner
Christian Doppler Laboratory for Allergy Diagnosis and Therapy, University of Salzburg, Salzburg, Austria

16:40 – 17:00

HOW DO METEOROLOGICAL PARAMETERS AND BIOLOGICAL AND CHEMICAL AIR POLLUTANTS INFLUENCE THE INCIDENCE OF ASTHMA AND RHINITIS?

L. Makra¹, Sz. Tombácz¹, B. Bálint², Z. Sümeghy¹, T. Sánta¹
¹*Dept. Climatology and Landscape Ecology, University of Szeged, Hungary*
²*Thorax Surgery Hospital, Deszk, Hungary*

17:00 – 17:20

OPEN QUESTIONS IN RAGWEED ALLERGY

Lorenzo Cecchi^{1,2}, Tommaso Torrigiani Malaspina¹ & Simone Orlandini¹
¹*Interdepartmental Centre of Bioclimatology, University of Florence, Italy*
²*Allergy Clinic, Azienda Sanitaria Firenze, Florence, Italy*

19:30 – 22:00

Conference dinner

Friday, 12 September 2008

Session 4

Ragweed problems and regulatory measures in different parts of the world: country reports

Chairs: Edita Stefanic & Gellért Gólya

9:00 – 9:20

SPREAD OF, AND CONTROL MEASURES AGAINST, COMMON RAGWEED IN HUNGARY

Gellért Gólya¹, István Dancza² & Paula Lászlóné Pécsi²
¹*Ministry of Agriculture and Rural Development, Budapest, Hungary*
²*Central Agricultural Office, Directorate of Plant Protection, Soil Conservation and Agri-environment, Budapest, Hungary*

9:20 – 9:40

AMBROSIA SPECIES IN AUSTRALIA AND THEIR CONTROL

Rachel McFadyen
CRC for Australian Weed Management, Brisbane, Australia

9:40 – 10:00

RAGWEED IN CROATIA – AGRICULTURAL AND PUBLIC HEALTH PROBLEM

Edita Stefanic, Sanda Rasic & Ivan Stefanic
J.J. Strossmayer University, Faculty of Agriculture, Osijek, Croatia

10:00 – 10:20

COMMON RAGWEED IN CANADA

Alan K. Watson

Department of Plant Science, McGill University, Ste-Anne-de-Bellevue, QC, Canada

10:20 – 10:40

Coffee break

Session 4

Ragweed problems and regulatory measures in different parts of the world: country reports (cont.)

Chairs: Gabriella Kazinczi & Christian Bohren

10:40 – 11:00

AMBROSIA CONTROL AND LEGAL REGULATION IN SWITZERLAND

Christian Bohren, N. Delabays & G. Mermillod

Research Station Agroscope Changins-Wädenswil ACW, Nyon Switzerland

11:00 – 11:20

COMMON RAGWEED (*AMBROSIA ARTEMISIIFOLIA* L.) IN RUSSIA: SPREAD, DISTRIBUTION, ABUNDANCE, AND CONTROL MEASURES

Sergey Ya. Reznik

Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia

11:20 – 11:40

THE ACTION PROGRAMME *AMBROSIA* IN GERMANY

Uwe Starfinger

Julius Kuehn Institute, Braunschweig, Germany

11:40 – 12:00

HERBICIDE RESISTANCE IN RAGWEED (*AMBROSIA* SPP.) – A REVIEW

Baruch Rubin

RH Smith Institute of Plant Science and Genetics in Agriculture, Fac. Agric., Food & Environm. Sci., Hebrew University of Jerusalem, Rehovot, Israel

12:00 – 13:40

Lunch

Session 4

Ragweed problems and regulatory measures in different parts of the world: country reports (cont.)

Chairs: Rachel McFadyen & Gábor Csornai

13:40 – 14:00

RAGWEED MONITORING BY REMOTE SENSING IN HUNGARY

Gábor Csornai, Gábor Mikus, Gizella Nádor, Irén Hubik & István László

Institute of Geodesy, Cartography and Remote Sensing (FÖMI), Budapest, Hungary

14:00 – 14:20

MONITORING RAGWEED AT A LOCAL SCALE: LESSONS FROM A PROGRAM CARRIED OUT IN THE RHONE ALPES REGION (FRANCE)

C. Sausse¹, D. Chollet², P. Delval³, Y. Drieu⁴, P. Jupont⁵, L. Masson⁶, B. Real⁷, R. Reau⁸ & N. Schmitt¹

¹*Centre Technique Interprofessionnel des Oléagineux Métropolitains (CETIOM), Thiverval Grignon, France*

²*CETIOM, Lyon, France*

³*Association de Coordination Technique Agricole (ACTA), Marcy l'Etoile, France*

⁴*Arvalis Institut du Végétal, Lyon, France*

⁵*CETIOM, Dijon, France*

⁶*Chambre d'Agriculture de l'Isère, Antenne de Vienne, France*

⁷*Arvalis Institut du Végétal, Estrées Mons, France*

⁸*Unité Mixte de Recherche Agronomie INRA / AgroParisTech, Thiverval Grignon, France*

14:20 – 14:40

FRENCH ASSOCIATION FOR RAGWEED STUDY: THE FIRST IN FRANCE TO HAVE STUDY SHORT RAGWEED AND ALERT INSTITUTIONS SINCE 1982

C. Déchamp¹ & H. Méon^{1,2}

¹*Association Française d'Etude des Ambrosiées (AFEDA), Saint-Priest, France*

^{1,2}*Université Lyon, UMR CNRS PEPS 5125, Villeurbanne Cx France*

14:40 – 15:00

STUDIES ON SPREAD, POPULATION BIOLOGY AND MANAGEMENT OF *AMBROSIA ARTEMISIIFOLIA* L. IN AUSTRIA

Melinda Vitalos & Gerhard Karrer

University of Natural Resources and Applied Life Sciences, Vienna, Austria

15:00 – 15:20

PRESENT SITUATION OF RAGWEED PROBLEMS AND POTENTIAL BIOLOGICAL CONTROL IN KOREA

Hyeon-Dong Shin

Division of Environmental Sciences and Ecological Engineering, Korea University, Seoul, Korea

15:20 – 15:40

***AMBROSIA* SPECIES, A NEW HEALTH AND ENVIRONMENTAL THREAT IN ISRAEL**

Toby Yaacoby

Plant Protection and Inspection Services (PPIS), Bet Dagan, Israel

15:40 – 16:00

Coffee break

16:00 – 17:00

POSTER SESSION

Moderator: TBA

17:00 – 19:00

ROUND-TABLE DISCUSSION ON THE RAGWEED PROBLEM

Moderator: Jacqui A. Shykoff

Saturday, 13 September 2008

10:00 – 18:00 (approximately)

Scientific excursion, including lunch, and transfer to Osijek, Croatia