

## 13th International Rapeseed Congress - Crop Management

### Monday, 6 June, 13:45 - 15:30, Crop Management I.

Harker	K. Neil	Seeding speed and seeding depth effects on canola emergence and yield
O'Donovan	John	A comparison of a glyphosate-tolerant system with more conventional herbicide regimes in direct-seeded canola in western Canada
Koch	Simone	Effects of different tillage after oilseed rape on the increase of diseases and pests
Lande	Nathalie	Sustainability assessment of oilseed rape in reduced tillage cropping systems in France
Tavakkol Afshari	Reza	Canola seed priming by abscisic acid improved antioxidant enzymes activity under low temperature stress

### Monday, 6 June, 15:50 - 17:30, Crop Management II.

Bremer	Hagen	The Clearfield® production system in oilseed rape - a new herbicide generation in oilseed rape in Europe
Gruber	Sabine	Following the trace of harvesting seed losses – a model to predict the soil seed bank and oilseed rape volunteers
Blackshaw	Robert	Canola response to polymer-coated urea versus urea in a four-year zero-tillage cropping system on the Canadian prairies
Gunnarson	Albin	Increased nitrogen fertilization at autumn can reduce need for nitrogen fertilisation at spring
Flenet	Francis	The variability of the energy efficiency and of the greenhouse gas emissions in winter oilseed rape produced in France

### Monday, 6 June, 17:50 - 19:15, Crop Management III.

Pellet	Didier	Effects of temperature on oilseed rape fatty acid composition
Baux	Alice	Effects of nitrogen nutrition on oilseed rape fatty acid composition
Sausse	Christophe	Estimation of oilseed rape seed losses before and during harvest in France in various conditions
Leaper	David	The impact of Clearfield® production system on the quality of winter oilseed rape oil

### Tuesday, 7 June, 11:00 - 12:45, Crop Management IV.

Allirand	Jean-Michel	Modelling carbon and nitrogen accumulation during winter oilseed rape reproductive phase
Berry	Pete	Predicting the optimum rate and timing of nitrogen fertiliser for oilseed rape
Bottcher	Ulf	Analysis of growth and nitrogen uptake of winter oilseed rape before winter using a dynamic crop growth model
Mathieu	Amelie	Model calibration on two oilseed rape varieties ( <i>Brassica Napus L.</i> ), comparison and perspectives
Pahlmann	Ingo	An offline algorithm for site-specific nitrogen fertilization of winter oilseed rape based on autumnal canopy nitrogen uptake

### Tuesday, 7 June, 13:45 - 15:30, Crop Management V.

Albert	Benjamin	Nitrogen metabolism fingerprinting of oilseed rape leaves under nitrogen and/or water limiting conditions
Allirand	Jean-Michel	The importance of oilseed rape branching and branches characteristics on genotype nitrogen interactions
Sieling	Klaus	Optimizing N fertilization of winter oilseed rape
Song	Laiqiang	Effect of Combining Use of Nitrogen, Phosphorus, Potassium and Boron on Yield, Yield components of Rapeseed and Fertilization Use Efficiency
Avice	Jean-Christophe	Responses of rapeseed to sulphur restriction: contribution of sulphur reserves and role of sulphate transporters for sustain seed yield

### Wednesday, 8 June, 11:00 - 12:45, Crop Management VI.

Kryvulko	Ruslan	Agronomic characteristics of WOSR Semi Dwarf hybrids versus conventional hybrids and Open Pollinated varieties under Ukraine conditions
Sharma	Pushp	Morpho-physiological responses of oilseed rape ( <i>Brassica napus L.</i> ) genotypes to drought stress
Zanetti	Federica	Morphological bases of yield in new oilseed rape hybrids with different shoot vigour
Iriarte	Liliana	National network of rapeseed evaluation in the Republic of Argentina
Riffkin	Penny	Identifying important traits for canola in a new cropping environment in Australia

## 13th International Rapeseed Congress - Crop Management

### Wednesday, 8 June, 14:15 - 16:00, Crop Management VII.

Hossard	Laure	Designing sustainable management scenarios to control blackleg of winter oilseed rape from a combination of participative design and model simulations
Ijaz	Muhammad	Effect of different fungicides on seed yield and grain quality of rapeseed under two levels of nitrogen fertilization
Létourneau	Louis-Pierre T.	Impact of soil tillage systems and nitrogen fertilization on insect pests in canola in Eastern Canada
McDonald	Mary Ruth	Suppressive effects of boron application and temperature on the development of <i>Plasmodiophora brassicae</i> in canola and pak choy
Gruber	Sabine	Seed eaters on our fields – how many rapeseeds are consumed by what creatures?

## 13th International Rapeseed Congress - Feed Quality Extraction Meal

### Monday, 6 June, 17:50 - 19:15, Feed Quality Extraction Meal I.

Andersen	Keld Ejdrup	Optimization of rapeseed processing in oilmills, oppurtunities and limitation
Labalette	Francoise	Glucosinolates content, an important quality parameter monitored at each stage of the French rapeseed production chain
Quinsac	Alain	Effect of long-term feeding with regular rapeseed meal on the performances of reproduction of sows and growth of piglets
Schöne	Friedrich	Rapeseed press cake – Composition and results in pig testing

### Wednesday, 8 June, 16:20 - 17:50, Feed Quality Extraction Meal II.

Slawski	Hanno	Replacement of fish meal with rapeseed protein concentrate in fish diets
Slominski	Bogdan	Chemical composition and nutritive value of low-fiber yellow-seeded <i>B. napus</i> and <i>B. juncea</i> canola for poultry
Boros	Danuta	Effect of long-term feeding of black and yellow types of full-fat rapeseed on growth and reproduction of rats
Sudekum	Karl-Heinz	Estimation of intestinal protein digestibility of rapeseed and soybean products using a three-step enzymatic in vitro procedure

## 13th International Rapeseed Congress - Food Quality and Nutrition

### Monday, 6 June, 13:45 - 15:30, Food Quality and Nutrition I.

Laakso	Into	Beneficial health effects of rapeseed oil on hemostasis
Delplanque	Bernadette	Rapeseed-rich or ALA-poor dams diets modulate brain DHA levels of new-born, weaning and post-weaning young rats reared on different diets
Schweizer	Martin	Toxicity studies of cruciferin-rich and napin-rich canola protein isolates
Matthäus	Bertrand	Effect of canolol (4-vinylsyringol) on the oxidation of edible oils
Frandsen	Heidi Blok	Bioavailability of glucosinolates in feed used to piglets; uptake and metabolism of intact glucosinolates

### Monday, 6 June, 15:50 - 17:30, Food Quality and Nutrition II.

Matthäus	Bertrand	Impact of HOLL rapeseed oil during frying on product quality during storage
Schöne	Friedrich	Carotenoids and vitamin E in rapeseed, sunflower, flax and safflower – Comparison of HPLC and photometric determination of carotenoids
Li	Peiwu	Rapid assays based on monoclonal antibodies for pyrethroid insecticide residues in rapeseeds
Huang	Fenghong	Varietal and processing effects on the volatile profile of Rapeseed Oils

## 13th International Rapeseed Congress - Genetics and Breeding

### Monday, 6 June, 13:45 - 15:30, Genetics and Breeding I.

Bissuel-Belaygue	Christine	Response of leaf area index of 96 oilseed rape genotypes submitted to limiting or non limiting nitrogen input
Xu	Fangsen	Dissection of quantitative trait loci for Brassica napus in response to low phosphorus stress
Zhang	X.	Drought effect on yield and its components in winter rapeseed (Brassica napus L.)
Zhang	Xue-Kun	Association between drought-related genes expression and physiological indicators in different drought tolerance varieties (Brassica napus L.)
Singh	Vijay Veer	Population improvement approaches for moisture stress tolerance in Indian mustard

### Monday, 6 June, 15:50 - 17:30, Genetics and Breeding II.

Nelson	Matthew	Dissecting photoperiod response in a European x Australian doubled haploid population of canola using a novel glasshouse-based approach
Kaur	Gurpreet	Transfer of resistance to seed shattering from Brassica carinata to B. napus
Jestin	Christophe	Combined linkage and association mapping to assess the diversity of winter oilseed rape quantitative resistance factors to stem canker
Obermeier	Christian	Mapping and marker development for breeding of oilseed rape with resistance to Verticillium longisporum
Liu	Shengyi	Nature of resistance to Sclerotinia sclerotiorum and strategies for breeding in oilseed rape

### Monday, 6 June, 17:50 - 19:15, Genetics and Breeding III.

Barbetti	Martin	Host resistance in oilseed Brassicas against Sclerotinia - renewed hope for managing a recalcitrant pathogen
Buchwaldt	Lone	QTLs contributing to sclerotinia stem rot resistance in Brassica napus Zhongyou 821
Falak	Igor	Field performance of Brassica napus spring canola hybrids with improved resistance to Sclerotinia stem rot
Singh	Dhiraj	Genetic diversity in indigenous and exotic oilseed brassica germplasm in relation to Sclerotinia rot resistance

### Tuesday, 7 June, 11:00 - 12:45, Genetics and Breeding IV.

Li	Ruiyuan	A dynamic and complex network regulates the heterosis of yield-correlated traits in rapeseed (Brassica napus L.)
Hong	Dongfeng	Molecular validation and marker development of a multiple-allelism recessive genic male sterility locus (BnRf) in Brassica napus L.
Hu	Qiong	Marker assisted breeding of restorer lines for NSA cytoplasmic male sterility in oilseed rape
Ni	Xiyuan	Fine mapping and candidate gene identification of a recessive genic male sterility gene (Bnms3) in rapeseed
Zou	Jun	Towards utilize intersubgenomic heterosis in rapeseed production

### Tuesday, 7 June, 13:45 - 15:30, Genetics and Breeding V.

Chen	Sheng	Distinct patterns of behaviour for specific and general combining ability in hybrid oilseed rape evaluated in Australia, China and India
Bots	Marc	Epigenetic selection as a tool in hybrid canola breeding
Ma	C.	Hybrid breeding using a two-line-self-incompatibility system in Brassica napus
Varenne	P.	Breeding for a seed pod shattering resistance in OGU-INRA WOSR hybrids
Singh Chauhan	Jitendra	An overview of hundred years of rapeseed-mustard breeding in India: Accomplishments and future strategies

### Wednesday, 8 June, 11:00 - 12:45, Genetics and Breeding VI.

Chevre	Anne-Marie	Dynamics of rDNA loci in oilseed rape synthetics
Rahman	Habibur	Untraditional approaches of interspecific hybridization in Brassica for introgression of traits from allied species
Wang	Youping	Molecular characterization and utilization of introgression lines with yellow seeds derived from somatic hybrids between Brassica napus and Sinapis alba
Bennett	Rick	Broadening genetic diversity in canola: double-low quality recombinant inbred lines from Brassica napus x B. oleracea cross
Mason	Annaliese	Creating trigonomic hexaploid plants from tetraploid Brassica species

## 13th International Rapeseed Congress - Genetics and Breeding

### Wednesday, 8 June, 14:15 - 16:00, Genetics and Breeding VII.

Moellers	Christian	Mapping of QTL for NDF, ADF and ADL content in a winter oilseed rape doubled haploid population
Plieske	Joerge	SNP discovery and multiplex SNP genotyping in the allopolyploid species Brassica napus
Cowling	Wallace	Development of methods for genomic analysis of canola F1 hybrid data from multi-environment trials
Hernacki	Blazej	Genetic and molecular analysis of specific-origin yellow-seeded winter rapeseed ( <i>B. napus</i> L. var. <i>oleifera</i> )
Weston	Brigitte	Development of CLB-1: a novel single gene herbicide tolerance trait in oilseed rape conferring imidazolinone tolerance and ease of breeding

### Thursday, 9 June, 8:30 - 10:10, Genetics and Breeding VIII.

Agnihotri	Abha	The oil and meal quality improvements in rapeseed-mustard: Status in India
Gan	Lu	Differential proteomic analysis of two Brassica napus varieties differing in the oil contents
Spasibonek	Stanislaw	Breeding of oilseed rape for new seed oil quality
Jiana	Li	The new achievements of the research on the yellow-seeded <i>B. napus</i> L. in SWU
Rakow	Gerhard	Review and update on the development of yellow seed Brassica napus canola

## 13th International Rapeseed Congress - Genomics and Biotechnology

### Tuesday, 7 June, 11:00 - 12:45, Genomics and Biotechnology I.

Liu	Shengyi	Whole genome sequencing and comparative analysis of Brassica oleracea and B. rapa and B. napus
Sharpe	Andrew	Sequencing and assembly of Brassica crop genomes
Chen	Fei	Genetic linkage mapping of Arabidopsis lipid related genes in Brassica napus
Zhao	Jianyi	Fine mapping of an oil content quantitative trait locus in the linkage group 7 of Brassica napus
Heneen	Waheeb	Development and characterization of all nine monosomic addition lines of Brassica rapa – B. oleracea var. alboglabra

### Tuesday, 7 June, 13:45 - 15:30, Genomics and Biotechnology II.

Liu	Zhongsong	Fine mapping and positional cloning of the genes controlling seed coat color in Brassica juncea
Harloff	Hans	Application of a Brassica napus L. TILLING platform for the detection of mutations in sinapine biosynthesis genes
Chai	You-Rong	Cloning and functional comparative genomic study of TRANSPARENT TESTA 16 genes from Brassica species
Lu	Kun	Expression quantitative trait loci analysis of BAN, F3H and TT19 genes in Brassica napus
Zhang	Kai	Antisense suppression of BnTT10 family genes causes retarded pigmentation and lignin reduction in seed coat of Brassica napus

### Wednesday, 8 June, 11:00 - 12:45, Genomics and Biotechnology III.

Leckband	Gunhild	Omics based strategies for increasing the seed oil content and seed yield in rapeseed
Wang	Hanzhong	Construction of a high-density linkage map for genome assembling and QTL mapping of yield-correlated traits in rapeseed (Brassica napus L.)
Laga	Benjamin	A reverse genetics approach allows fine-tuning of seed shatter reduction in canola (Brassica napus) to optimal levels
Snowdon	Rod	Associative expression and systems analysis of complex traits in oilseed rape / canola
Parkin	Isobel	Analysis of seed quality traits of Brassica napus by genome-wide gene expression quantitative trait locus mapping

### Wednesday, 8 June, 14:15 - 16:00, Genomics and Biotechnology IV.

Wagner	Geoffrey	New insight into the Brassica napus / Plasmodiophora brassicae interaction through genetical metabolomics
Kirti	P.B.	Mustard NPR1 modulates NF- $\kappa$ B activation in human GBM cell lines and enhances resistance to diseases in cotton, mungbean and rice
Fritsche	Steffi	A candidate-gene association study identifies single nucleotide polymorphisms associated with Brassica napus tocopherol content and composition
Tong	Chaobo	Comprehensive analysis revealed a gene network centralized by PDF1 in gametogenesis of Brassica napus and Arabidopsis thaliana
Raman	Harsh	Genetic dissection of natural variation for flowering time in rapeseed

## 13th International Rapeseed Congress - Oilbased Biofuels

### Monday, 6 June, 15:50 - 17:30, Oilbased Biofuels I.

Potter	Trent	Development of Brassica juncea as a biodiesel feedstock in low rainfall areas of Australia
Pabst	Christoph	Ultrafine particle emissions from biodiesel exhaust gas
Munack	Axel	Methods to modify FAME fuels – Survey on recent developments
Jevic	Petr	Current situation of the production and marketing of biodiesel in Czechia

### Monday, 6 June, 17:50 - 19:15, Oilbased Biofuels II.

Thuneke	Klaus	Exhaust gas emission behaviour of rapeseed oil fuelled tractors
Kastl	Johannes	Additives for rapeseed oil fuel
Gassner	Thomas	Standard DIN 51605 for Rapeseed Oil Fuel
Pickel	Peter	The use of rapeseed fuel in agriculture machines – strategy of a producer of tractors

## 13th International Rapeseed Congress - Oilmill and Refining Process

### Thursday, 9 June, 8:30 - 10:10, Oilmill and Refining Process

Muhmel	Heike	Rapeseed morphology parameters influencing oil pressing
Quinsac	Alain	Effects of the seeds drying prior the rapeseed crushing process. Potential benefits for energy consumption, meal quality and solvent emission
Sorensen	Jens	Bioprocessing technology in industrial scale processing of rapeseed resulting in added value products
Witt	Karen	Sterol glucoside content in vegetable oils as a risk for the production of biodiesel – study of the technological chain impact

## 13th International Rapeseed Congress - Plant Protection

### Tuesday, 7 June, 11:00 - 12:45, Plant Protection I.

Doring	Alexander	Host plant quality of various brassicaceous species for the larvae of cabbage stem flea beetle ( <i>Psylliodes chrysocephala</i> L.)
Heimbach	Udo	Pyrethroid resistance of oilseed rape pest insects from 2005-2010 and German insecticide resistance management strategy
Tansey	James	Differential responses by some insect pests to novel insect-resistant <i>Brassica napus</i> L.
Ulber	Bernd	Effect of host plant cultivar and phenology on population growth of pollen beetle <i>Meligethes aeneus</i> in oilseed rape
Valentin-Morison	Muriel	To reinforce natural regulation of insects in agro-ecosystems with oilseed rape, considering crop management at large scale is needed

### Tuesday, 7 June, 13:45 - 15:30, Plant Protection II.

Balesdent	Marie-Helene	AvrLm7 allelic diversity in <i>Leptosphaeria maculans</i> nevertheless allows survey of virulent isolates using the HRM (High Melting Resolution) method
Brun	Hortense	Durability assessment of oilseed rape resistance to blackleg: eight years of recurrent selection of <i>Leptosphaeria maculans</i> populations in field experiments
Van de Wouw	Angela	Evolution of linked avirulence effectors in <i>Leptosphaeria maculans</i> is affected by genomic environment and exposure to resistance genes in hosts
Huang	Yonghju	Effects of <i>Leptosphaeria maculans</i> race structure and fitness cost of virulence on management of phoma stem canker in oilseed rape
Jedryczka	Malgorzata	Monitoring of inoculum of fungal pathogens in the air – a support tool for decisions on OSR protection – an overview of the current situation in central and eastern Europe

### Wednesday, 8 June, 11:00 - 12:45, Plant Protection III.

Fitt	Bruce	Invasion by <i>Leptosphaeria maculans</i> (phoma stem canker on brassicas); from genome to worldwide crop
Marcroft	Steve	Rotation of blackleg resistance sources minimises disease severity in canola ( <i>Brassica napus</i> ) in Australia
Sasek	Vladimir	Signalling in the immune system of <i>Brassica napus</i> during infection with bacterial and fungal pathogens
Rietz	Steffen	Improving resistance of rapeseed ( <i>Brassica napus</i> ) against <i>Sclerotinia sclerotiorum</i> by use of resistance traits from wild <i>Brassica</i> species
Sandhu	Prabhjodh Singh	Phenotyping <i>Brassica juncea</i> introgression lines for <i>Sclerotinia</i> resistance

### Wednesday, 8 June, 14:15 - 16:00, Plant Protection IV.

Liu	Shengyi	The transcription factor ERF56 confers resistance to necrotrophic fungi via salicylate and ethylene signaling pathways, but not jasmonate pathway
Strelkov	Stephen	Clubroot in the Canadian canola ( <i>Brassica napus</i> ) crop: challenges and successes in dealing with an emerging disease
Atri	Chhaya	Assessing and utilizing variation available in wild crucifers for alternaria blight resistance to enhance <i>Brassica</i> germplasm
Diederichsen	Elke	Genetics of resistance to <i>Verticillium longisporum</i> in <i>Arabidopsis</i> and <i>Brassica</i>
Thurau	Tim	A new approach for developing resistance against <i>Verticillium longisporum</i> in oilseed rape ( <i>Brassica napus</i> )

### Thursday, 9 June, 8:30 - 10:10, Plant Protection V.

Hughes	David	Resistance to <i>Pyrenopeziza brassicae</i> (light leaf spot) in <i>Brassica napus</i> (oilseed rape) stops asexual but not sexual sporulation
Hanzlik	Kristin	Weediness and weed diversity in oilseed rape fields – results of a three year survey in Germany
Harker	Neil	Cool temperatures favour hybrid canola competition with weeds
Voisin	Marie	Host specificity and genetic diversity of the parasitic plant <i>Phelipanche ramosa</i> on winter oilseed rape in France
Auger	Bathilde	On the way to sustainable control of broomrape seed germination by root exudates of oilseed rape

## 13th International Rapeseed Congress - Trading Policies and Economics

### Monday, 6 June, 13:45 - 15:30, Trading Policies and Economics

Kuehl	Rainer	Innovations and developments in supply chain organization in emerging oilseed rape markets
Linhart	Zdenek	Rules for policy and technology development to feed growing global population
Ramos	N. Patrizia	Assessment of social and environmental impacts of canola on the biodiesel production chain in Southern Brazil
Hughes	David	Disease control on UK winter oilseed rape contributes to climate change mitigation
Kharytonov	Dmytro	Ukrainian rapeseed & EU biodiesel markets prospects