2017 CORESTA AGRO-PHYTO JOINT STUDY GROUPS MEETING - Santa Cruz do Sul, Brazil - 22-26 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
OPENING		Opening	Brazilian tobacco production	SCHÜNKE I.	SindiTabaco - Interstate Tobacco Industry Union, Santa Cruz do Sul, RS, Brazil
IG	**01**	GAP	Comparison of intra-crop year variability in NNN in tobacco and NNN levels in smokeless tobacco products	MORTON M.J.; PHILLIPS D.J.; JORDAN J.L.; OLDHAM M.J.; LION III K.E.; LUSSO M.F.; FRANKE J.E.; STRICKLAND J.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
AP	**01**	GAP	Investigation and research of microbial information in tobacco-planted soil from different ecological regions in Guizhou province	LI Xiang; LIU Yanxia; SHI Junxiong; ZHANG Heng; CAI Liuti; ZOU Yan	Guizhou Academy of Tobacco Science of CNTC, Guiyang, Guizhou, P.R. China
AP	**02**	GAP	Reverse logistics - receiving program for empty containers of pesticides from tobacco growers in southern Brazil	SEHN C.A.	SindiTabaco - Interstate Tobacco Industry Union, Santa Cruz do Sul, RS, Brazil
AP	**03**	GAP	Project SOSTAB: innovative traceability on the tobacco production chain in Italy	BURLA G.(1); MILLI G.(2)	(1) TTI - Italian Consortium of Tobacco Processing, Città di Castello, Italy; (2) Fattoria Autonoma Tabacchi (FAT), I-06012 Città di Castello, Italy
AP	**04**	GAP	Contributions to the study of gall wasp occurrence in Eucalyptus woodlots in southern Brazil	ROESCH F.(1); FEUERBORN M.(1); KOEHLER A.(2); RAUBER M.(2); FARIAS J.(3); WELTER C.A.(3); TEIXEIRA D.S.(3)	(1) Japan Tobacco International (JTI), Santa Cruz do Sul, RS, Brazil; (2) Universidade de Santa Cruz do Sul (UNISC), Laboratory of Entomology, Santa Cruz do Sul, RS, Brazil; (3) Universidade Federal de Santa Maria (UFSM), Centro de Pesquisas Florestais, Campus Universitário, Santa Maria, RS, Brazil
AP	**05**	TSNA	Effect of storage environment on nitrogen oxides formation in cured tobacco leaves	SHI Hongzhi(1); WANG Jun(1); ZHANG Mengyue(1); YANG Huijuan(1); ZHOU Jun(2); JIN Tong(1); BAI Ruoshi(2); ZHANG Chen(2)	(1) Henan Agricultural University / China National Tobacco Cultivation & Physiology & Biochemistry Research Center / Tobacco Cultivation Key Laboratory of China Tobacco, Zhengzhou, P.R. China; (2) Beijing Cigarette Factory of Shanghai Tobacco Group Co., Ltd., Beijing, P.R. China
AP	**06**	TSNA	Dark air-cured and dark fire-cured tobacco TSNA levels in response to potassium source and rate	KEENEY A.B.; BAILEY W.A.	University of Kentucky, Plant Science Building, 1405 Veterans Drive, Lexington, KY, U.S.A.; University of Kentucky Research and Education Center, 1205 Hopkinsville Street, Princeton, KY, U.S.A.
AP	**07**	TSNA	NNN levels in stable reduced converter (SRC) and low converter (LC) lines cured under conditions that favor NNN formation	LUSSO M.F.; LION K.E.; ADAMS A.; MORRIS W.; WAREK U.; STRICKLAND J.A.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
AP	**08**	TSNA	N-nitrosonornicotine reduction in dark tobacco varieties and smokeless product prototypes	LUSSO M.F.; ADAMS A.; LEWIS B.; POYNER T.; LION K.E.; DELOACH L.; DANIELSON T.; FRANKE J.E.; WAREK U.; STRICKLAND J.A.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
AP	**09**	TSNA	The effect of farm vehicle exhaust emissions on TSNAs	FISHER C.R.(1); KINNEY J.(1); JACK A.M.(2)	(1) University of Kentucky, Department of Plant and Soils, Lexington, KY, U.S.A.; (2) University of Kentucky, Kentucky Tobacco Research and Development Center, KTRDC Building, Lexington, KY, U.S.A.
AP	**10**	Biotech	Genetic strategies for sucker control and evaluation	SHEN Y.; YANG J.; KUDITHIPUDI C.; XU D.; FREDERICK J.; WAREK U.; STRICKLAND J.A.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
AP	**11**	Biotech	Effects of genotype and environment on metabolite profiling of Nicotiana tabacum	JIN Jingjing; LIU Pingping; LU Peng; LI Zefeng; ZHANG Jianfeng; XU Yalong; ZHOU Huina; CAO Peijian	Zhengzhou Tobacco Research Institute of CNTC, China Tobacco Gene Research Center, Zhengzhou 450001, P.R. China
AP	**12**	Biotech	Genetic and biochemical analysis of low alkaloid lines with improved leaf quality	KUDITHIPUDI C.(1); QI D.(1); SHEN Y.(1); PAYYAVULA R.(2); XU D.(1); WAREK U.(1); STRICKLAND J.A.(1)	(1) Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.; (2) Eurofins Lancaster Laboratories, c/o Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond VA23219, U.S.A.
AP	**13**	Biotech	The inhibitory effects of salicylic acid on the potassium outflow from tobacco	ZHAO Jiehong	Key Laboratory of Molecular Genetics of CNTC, Guizhou Academy of Tobacco Science, Guanshanhu District, Guiyang, Guizhou, P.R. China
AP	**14**	Production Practices 1	Chemically topping Burley tobacco	RICHMOND M.D.(1); PEARCE R.C.(1); BAILEY W.A.(2)	(1) University of Kentucky, Department of Plant and Soil Sciences, Lexington, KY, U.S.A.; (2) University of Kentucky Research and Education Center, Princeton, KY, U.S.A.
AP	**15**	Production Practices 1	Effect of priming as a practice for improving yield and quality of flue-cured tobacco in Malawi	MTONGA Y.P.; MUMBA J.B.; GOMONDA R.W.J.	Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi
AP	**16**	Production Practices 1	Impact of removal of the lower stalk leaves, time of topping and leaf number on yield and quality of flue-cured Virginia	MENEZES E.L.; TEIXEIRA D.V.; FRANTZ E.; OLIVEIRA V.; BERETTA O.I.	Alliance One Brasil Exp. de Tabacos Ltda, Passo do Sobrado, RS, Brazil
AP	**17**	Production Practices 1	Effect of bottom leaf removal and fertiliser rates on the yield and quality of flue-cured tobacco in Zimbabwe	KOGA C.; RUKUNI D.	Tobacco Research Board, Harare, Zimbabwe
AP	**18**	Production Practices 1	The effect of lower leaf removal and nitrogen application to flue-cured tobacco yield, crop throw, and economic return	FINCH C.E.(1); VANN M.C.(1); FISHER L.R.(1); INMAN M.D.(1); WELLS R.(1); BROWN A.B.(2)	(1) North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.; (2) North Carolina State University, Department of Agricultural & Resource Economics, Raleigh, NC, U.S.A.
AP	**19**	Production Practices 2	Organic fertilizer programs for tobacco seedling production	VANN M.C.(1); FISHER L.R.(1); SEAGROVES R.(1); McGINNIS M.(2)	(1) North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.; (2) North Carolina Department of Agriculture & Consumer Services, Agronomic Division, Raleigh, NC, U.S.A.

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Group	Num	Session	Abstract Title	Authors	Source
AP	20	Production Practices 2	Is float bed aeration beneficial to organic seedling production?	INMAN M.D.(1); VANN M.C.(1); FISHER L.R.(1); SEAGROVES R.(1); McGINNIS M.(2)	(1) North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.; (2) North Carolina Department of Agriculture & Consumer Services, Agronomic Division, Raleigh, NC, U.S.A.
AP	21	Production Practices 2	Polypot system: a cost saving practice for improved tobacco seedling quality in Malawi	MTONGA Y.P.; MUMBA J.B.; GOMONDA R.W.J.	Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi
AP	22	Production Practices 2	Evaluation of soil solarisation as a tool for Integrated Pest Management (IPM) in small tobacco farms in southern Brazil	BERGER I.J.(1); OLIVEIRA G.H.N.(1); SEHN C.A.(1); SILVA D.J.(1); TEIXEIRA D.V.(1); SARTORI L.(1); SCHMITT M.A.(1); COUGO L.F.(1); FRANCHINI E.(1); CHAVES I.C.P.V.(2); CHAVES L.C.S.V.(2); CARDOZA Y.F.(3); ANDRADE C.C.L.(3); DUARTE V.(3); SANTIN R.C.M.(3)	(1) SindiTabaco - Interstate Tobacco Industry Union, Santa Cruz do Sul, RS, Brazil; (2) SANTAGRO, Santa Cruz Agrícola Comercial Ltda, Santa Cruz do Sul, RS, Brazil; (3) Agronômica - Phytosanitary Laboratory and Consulting, Porto Alegre, RS, Brazil
AP	23	Production Practices 2	Resistance and control of yellowing stunt disease in flue-cured tobacco in southern Brazil	ESPINDULA L.F.; OLIVEIRA E.D.; PANIZ C.; LORENCETTI C.	Alliance One Brasil Exp. de Tabacos Ltda, Vera Cruz, RS, Brazil
Video		Production Practices 2	Environmentally friendly biomolecules from agricultural wastes as substitutes of pesticides for plant diseases control EVERGREEN Project LIFE13 ENV/IT/000461	TEGLI S.(1); BIRICOLTI S.(1); IZQUIERDO C.G.(2); MILLI G.(3); BARGIACCHI E.(4); TISSELLI V.(5); BANCI E.(6); MIELE S.(4)	(1) DiSPAA-UniFI, Lab Molecular Plant Pathology, Firenze, Italy; (2) CSIC-CEBAS, Espinardo, Spain; (3) Fattoria Autonoma Tabacchi (FAT), I-06012 Città di Castello, Italy; (4) Consortium for Science and Technology of Materials (INSTM), I-50121 Firenze, Italy; (5) ASTRA, Reg. Emilia-Romagna, 6 MondoVerde Casa e Giardino, Firenze, Italy; (6) MondoVerde Casa e Giardino, Firenze, Italy
AP	25	Molecular Breeding	Tobacco genomic resources for gene discovery	BROMLEY J.R.(1); EVANS A.D.(1); FERNANDEZ-POZO N.(2); HUMPHRY M.E.(1); BOMBARELY A.(3); HOSMANI P.S.(2); DIAMANTAKIS S.K.(1); MUELLER L.A.(2); EDWARDS K.D.(1)	(1) British American Tobacco Company, Plant Biotechnology Division, Cambridge, U.K.; (2) Boyce Thompson Institute for Plant Research, Ithaca, NY, U.S.A.; (3) Virginia Tech, Department of Horticulture, Blacksburg, VA, U.S.A.
AP	26	Molecular Breeding	Combining gene expression, metabolomics, and conventional breeding to increase the nitrogen use efficiency of Burley tobacco	KUDITHIPUDI C.; FREDERICK J.; XU D.; ADAMS A.; PRAMOD S.; WAREK U.; STRICKLAND J.A.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
AP	27	Molecular Breeding	Insights of whole genomic studies in Burley recurrent selection program	PADUA J.M.V.; PULCINELLI C.E.; FERREIRA R.A.C.D.; BOARETTO L.F.; BARBOSA P.K.A.; WEISS V.A.	Souza Cruz Ltda, British American Tobbaco, Group R&D, Rio Negro, Brazil
AP	28	Molecular Breeding	Identification of the genes underlying the yellow Burley phenotype in Nicotiana tabacum	LEWIS R.S.(1); DRAKE-STOWE K.(1); HUMPHRY M.E.(2); EDWARDS K.D.(2); KERNODLE S.P.(1)	(1) North Carolina State University, Crop Science Department, Raleigh, NC, U.S.A.; (2) British American Tobacco Company, Cambridge, U.K.
AP	29	Molecular Breeding	Comparative proteomic analysis reveals differential protein and energy metabolisms from two tobacco cultivars in response to cold stress	HU Risheng(1); ZHU Xianxin(2); XIANG Shipeng(1); YANG Chengwei(3); LAI Jianbin(3); ZHANG Xianwen(2); LIU Zhi(2); ZHU Lieshu(2)	(1) Central South Agricultural Experiment Station of CNTC, Changsha, P.R. China; (2) Hunan Agricultural University, Changsha, P.R. China; (3) South China Normal University, Guangzhou, P.R. China
AP	30	Molecular Breeding	Feasibility to develop ultra-low nicotine tobacco leaf complying with proposed future nicotine regulation - a review of genetic approaches	GILLES T.	British American Tobacco Company, Plant Biotechnology Division, Cambridge, U.K.
AP	31	Nutrients	Growth and nutrient absorption by flue-cured tobacco in field conditions	COELHO F.S.; OLIVEIRA V.B.; BERGER I.J.	Souza Cruz Ltda, Global Leaf R&D, Cachoeirinha, RS, Brazil
AP	32	Nutrients	Evaluation of various NPK fertilizer formulations applied as side dressing to tobacco in Santa Cruz do Sul region, RS, Brazil	MOORE J.M.(1); BAFALLUY R.(2); REAL R.(2); CHAVES L.C.S.V.(3)	(1) University of Georgia, Tifton, GA, U.S.A.; (2) SQM, Alphaville, Barueri, Santana de Parnaíba, SP, Brazil; (3) SANTAGRO, Santa Cruz Agrícola Comercial Ltda, Santa Cruz do Sul, RS, Brazil
AP	33	Nutrients	The effect of chloride application rate to the yield, quality, and chemical constituents of flue-cured tobacco	PACE C.R.(1); VANN M.C.(1); FISHER L.R.(1); SEAGROVES R.(1); HARDY D.H.(2)	(1) North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.; (2) North Carolina Department of Agriculture & Consumer Services, Agronomic Division, Raleigh, NC, U.S.A.
AP	34	Nutrients	Humic and fulvic acid as biostimulants in tobacco production	COELHO F.S.; OLIVEIRA V.B.; BERGER I.J.	Souza Cruz Ltda, Global Leaf R&D, Cachoeirinha, RS, Brazil
AP	35	Virus 1	Spotted wilt control update	BERTRAND P.F.; MOORE J.M.	University of Georgia, Crop and Soil Sciences, Tifton, GA, U.S.A.
AP	36	Virus 1	Study on the anti-TMV activity of the alkaloids from Nicotiana glutinosa	ZHOU Wenbing; JI Sigui; LI Jiangzhou; CUI Yonghe; ZHANG Limeng	Yunnan Tobacco Company, Yuxi Branch, Yuxi City, P.R. China
AP	37	Virus 1	Loss-of-function of a tobacco eukaryotic translation initiation factor confers resistance to tobacco bushy top virus	SHINJO A.; TAKAKURA Y.; UDAGAWA H.; KOGA K.	Japan Tobacco Inc., Leaf Tobacco Research Center, Oyama, Tochigi, Japan
AP	38	Breeding	Agronomic performance of doubled haploid lines and their use as parental lines of hybrids	OLIVEIRA E.D.(1); MILLER R.D.(2)	(1) Alliance One Brasil Exp. de Tabacos Ltda, Vera Cruz, RS, Brazil; (2) University of Kentucky, Kentucky Tobacco Research and Development Center, Lexington, KY, U.S.A.
AP	39	Breeding	Identification of genetic determinants controlling cadmium accumulation in tobacco	BERTRAND J.(1); JULIO E.(2); COTUCHEAU J.(2); DORLHAC DE BORNE F.(2); BERTHOMIEU P.(1)	(1) UMR de Biochimie et Physiologie Moléculaire des Plantes, INRA/CNRS/Montpellier SupAgro/Université Montpellier, Montpellier, France; (2) Imperial Tobacco Limited, Leaf Research, La Tour, Bergerac, France
AP	40	Breeding	Genetic screening for tobacco breeders	DORLHAC DE BORNE F.; COTUCHEAU J.; JULIO E.	Imperial Tobacco Limited, Leaf Research, La Tour, Bergerac, France
AP	41	Breeding	Greenhouse method to screen for resistance to Granville wilt in tobacco	MARTINEZ-OCHOA N.; MILLER R.D.	University of Kentucky, Department of Plant and Soils, Lexington, KY,

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AP	42	Breeding	Progress in development of a high-throughput phenotyping test as breeding tool for broomrape resistance in tobacco: an overview of results	MALPICA A.(1); VERRIER J.-L.(1); BACHET S.(1); BEN JEMAA F.(2); POUVRAUD J.-B.(2); SIMIER P.	(1) Bergerac Seed & Breeding, Bergerac, France; (2) Laboratoire de Biologie et de Pathologie Végétale, Nantes University, Nantes, France
AP	43	CPAs	Evaluation of dark tobacco transplanting intervals following 2,4-D and saflufenacil herbicide applications	BAILEY W.A.; RODGERS J.C.; KEENEY A.B.; RICHMOND M.D.	University of Kentucky Research and Education Center, Princeton, KY, U.S.A.
AP	44	CPAs	Plant related factors impacting MH residues in flue-cured tobacco	REED T.D.	Virginia Tech, Southern Piedmont Center, Blackstone, VA, U.S.A.
AP	45	CPAs	Preliminary study on the metabolites of Spirotetramat in tobacco for possible residue definition	OYAMA K.(1); NAKABAYASHI T.(1); NAKAJIMA K.(1); VANN M.C.(2)	(1) Japan Tobacco, Inc., Leaf Tobacco Research Center, Oyama-shi, Tochigi, Japan; (2) North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.
AP	46	CPAs	Pesticide residues in and on tobacco – a mystery?! Part I	DECLERCQ M.; BILLENKAMP N.	NiCoTa GmbH, Rheinstetten, Germany
AP	47	CPAs	Pesticide residues in and on tobacco – a mystery?! Part II	BILLENKAMP N.; DECLERCQ M.	NiCoTa GmbH, Rheinstetten, Germany
AP	48	CPAs	High performance amino acid application and its relationship with flumetralin residues in flue-cured tobacco: impact in sucker control and tobacco sustainability in Brazil	GUERRA J.(1); GUERRA T.(1); COSTA C.E.(1); THIESEN M.(1); BRONDANI DA ROCHA A.(2)	(1) LBE Biotecnologia Brasil Ltda, Bairro Areias, São José, SC, Brazil; (2) Plantarum Desenvolvimento e Tecnologias, Bairro Centro, Sinimbu, RS, Brazil
AP	49	Bio-control	Potential alternative control for Ephestia spp. using parasitoid wasps	KÖHLER A.(1); PEZZINI C.(1); ROESCH F.(2); FEUERBORN M.(2)	(1) Universidade de Santa Cruz do Sul (UNISC), Laboratory of Entomology, Santa Cruz do Sul, RS, Brazil; (2) Japan Tobacco International (JTI), Santa Cruz do Sul, RS, Brazil
AP	50	Bio-control	Trichome extracts from Nicotiana hybrids - a resource for testing disease/insect resistance	MIHAYLOVA-KROUMOVA A.B.; WAGNER J.G.	University of Kentucky, KTRDC, Lexington, KY, U.S.A.
AP	51	Bio-control	Change of microbial community composition in bacterial wilt infected tobacco-planting soils and regulation of the functional bio-organic fertiliser	WANG Rui(1); TAN Jun(1); SHI Heli(1); ZHAO Xiuyun(2)	(1) Enshi Tobacco Company of Hubei Province of CNTC, Enshi, Hubei, P.R. China; (2) College of Life Science and Technology, Huazhong Agricultural University, Wuhan, P.R. China
AP	52	Bio-control	Biological control of soil borne diseases in tobacco	REDDY BSR.; SWAMY S.; MANI M.	ITC Limited, Research Department, Agri Business Division-ILTD, Rajahmundry, Andhra Pradesh, India
AP	53	Virus 2	Interactions between tobacco bushy top virus and its satellite RNA	MO Xiaohan(1); ZHANG Lifang(1,2); ZHAO Xingneng(1,2); XU Ping(1,2); LI Yanqiong(1,2); XIA Zhenyuan(1); QIN Xiyun(1); CHEN Hairu(2)	(1) Yunnan Academy of Tobacco Agricultural Sciences, Kunming, P.R. China; (2) College of Plant Protection, Yunnan Agricultural University, Kunming, P.R. China
AP	54	Virus 2	Cucumber mosaic virus-IB induced endoplasmic reticular stress in Nicotiana benthamiana	SHEN Lili; LI Fangfang; HE Qingyun; LI Ying; YANG Jinguang; WANG Fenglong	Tobacco Research Institute, Chinese Academy of Agricultural Sciences, Qingdao, Shandong, P.R. China
AP	55	Virus 2	Genetic and functional analysis of va resistance durability to Potato virus Y in tobacco	JULIO E.(1); MICHEL V.(2); COTUCHEAU J.(1); DORLHAC DE BORNE F.(1); GLAIS L.(3.4); JACQUOT E.(5); DECROOCQ V.(2); CANDRESSE T.(2); GERMAN-RETANA S.(2)	(1) Imperial Tobacco Limited, Leaf Research, La Tour, Bergerac, France; (2) INRA et Université de Bordeaux, UMR 1332 BFP, BP81, Villenave d'Ornon, France; (3) FN3PT/RD3PT, Paris, France; (4) INRA, UMR1349 IGEPP, Le Rheu, France; (5) INRA-Cirad-Supagro Montpellier, UMR BGPI, Montpellier, France
AP	56	Virus 2	Cloning and expression induced by TMV of a pathogenesis related protein gene NtPR10 in tobacco (Nicotiana tabacum)	ZHANG Yu; ZHANG Zenglin; JIANG Caihong; CHANG Aixia; YANG Aiguo; LUO Chenggang; WANG Shaomei; WANG Yuanying	Tobacco Research Institute, Chinese Academy of Agricultural Sciences, Qingdao, Shandong, P.R. China
APW	01	Workshop - Sustainable Tobacco Production (STP)	Delivering positive change through the Sustainable Tobacco Programme	YIEND O.; CLARKE H.; AHMED S.; KUSIAK A.	AB Sustain, Peterborough, U.K.
APW	02	Workshop - Sustainable Tobacco Production (STP)	Agronomic data collection, management, and analysis: an overview of the MobiLeaf system	SCOTT G.L.	Universal Leaf Tobacco Co., Inc., Richmond, VA, U.S.A.
APW	03	Workshop - Sustainable Tobacco Production (STP)	Actions against child labour and alternatives to rural youth	SCHÜNKE I.	SindiTabaco - Interstate Tobacco Industry Union, Santa Cruz do Sul, RS, Brazil
APW	04	Workshop - Sustainable Tobacco Production (STP)	Reshaping pest management in the tobacco agro system: biological control and judicious use of pesticides	NDLELA S.; JAZI Z.; MURANGI T.	Tobacco Research Board, Harare, Zimbabwe
APPOST	01	Poster	Nicotine reduction: use of modelling approach to evaluate unintended consequences, a focus on illicit trade	GUO M.; VERRON T.; CAHOURS X.; COLARD S.	SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
APPOST	03	Poster	Sponged tobacco: meteorological and altitude influence on curing methods in flue-cured systems in South Africa	DU PLESSIS H.(1); ROOS H.J.(2)	(1) Limpopo Tobacco Processors (Pty) Ltd, Rustenburg, South Africa; (2) Tobacco Producer, Rustenburg, South Africa
APPOST	04	Poster	Developing flue-cured tobacco hybrids with combined resistance to granville wilt and root-knot nematodes and angular leaf spot in Malawi	SIBANDE L.A.G.O.; CHAMANGO A.M.Z.; GOMONDA R.W.J.	Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi

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APPOST	**05**	Poster	Effect of FMC Crop+ on reduction of oxidative stress in tobacco seedlings exposed to low and high temperatures	EBLING M.(1); BLASZCZAK A.(2); WOZNIAK E.M.(2); BRONDANI DA ROCHA A.(3)	(1) FMC Agricultural Products, Campinas, SP, Brazil; (2) Cytozyme Laboratories, Inc., Salt Lake City, UT, U.S.A.; (3) Plantarum Desenvolvimento e Tecnologias, Bairro Centro, Sinimbu, RS, Brazil
APPOST	**06**	Poster	Soil applications of maleic hydrazide do not control tobacco axillary bud growth	VANN M.C.; WHITLEY D.S.	North Carolina State University, Department of Crop & Soil Sciences, Raleigh, NC, U.S.A.
APPOST	**07**	Poster	Effects of fertigation and micro-spraying on growth of flue-cured tobacco, soil properties and water use efficiency	SHI Hongzhi(1); ZHANG Mengyue(1); XIE Zhan(1); YANG Huijuan(1); DUAN Weidong(2); DUN Songyang(3); LI Hongliang(3)	(1) Henan Agricultural University / Tobacco Cultivation Key Laboratory of China Tobacco, Zhengzhou, P.R. China; (2) Henan Tobacco Industry Co. Ltd, Zhengzhou, P.R. China; (3) Xuchang Tobacco Company of Henan Province, Xuchang, P.R. China
APPOST	**09**	Poster	Sustaining low TSNA levels in Malawi Burley tobacco using the LC Protocol	CHAMANGO A.M.Z.(1); SIBANDE L.A.G.O.(1); JACK A.M.(2); GOMONDA R.W.J.(1); JI H.(2); MPHEMBERA A.(1); MWANYONGO A.(1); MSANGOSOKO K.R.(1); KHUMBANYIWA A.G.(1); KUMWENDA R.L.N.(1)	(1) Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi; (2) University of Kentucky, Kentucky Tobacco Research and Development Center, Lexington, KY, U.S.A.
APPOST	**10**	Poster	Degradable characterisation and risk assessment of suckercides residues in tobacco leaf	LI Yiqiang; XIANG Zhenbo; XU Guangjun; XU Jinli; ZHENG Xiao; SUI Chengcheng; JIANG Huatao; ZHANG Guangyu	Tobacco Research Institute, Chinese Academy of Agricultural Sciences, Qingdao, Shandong, P.R. China
APPOST	**12**	Poster	Di@gnoPlant® Tobacco: a mobile tool to identify tobacco diseases	BLANCARD D.(1); ARMAND J.M.(1); MARIGNAC E.(2)	(1) INRA, UMR Santé et Agroécologie de la Vigne, ISVV - IFR103, Villenave-d'Ornon, France; (2) CORESTA, Paris, France
APPOST	**13**	Poster	Fungal diversity analysis of yellow sun-cured tobacco leaves during curing	MI Qili; QIAN Yingying; ZHU Zhouhai; GUAN Ying; GAO Qian; CHEN Jianhua; XIE Lihua; LI Xuemei; YAO Jianhua	Yunnan Industrial Co. Ltd of CNTC, Technology Center, Kunming 650106, P.R. China
APPOST	**15**	Poster	Effect of AZACT CE on fungus gnats larvae (Bradysia impatiens) control in tobacco seedlings production in floating systems	CURY L.A.(1); DE ABREU H.(2)	(1) LACSA, Cravinhos, SP, Brazil; (2) Universidade de Cantareira, Catumbi, São Paulo, SP, Brazil

Name underlined = Presenter when the main author (listed first) is not presenting the paper