



Poster sessions

A. Strawberry Physiology, Breeding and Phenotyping

- A1** Characteristics of fruit texture and cell wall polysaccharide composition in cultivated *Fragaria x ananassa* 'Camarosa' and *F. chiloensis* 94BAU-1A'. Nishizawa T., Kondo Y., Lavín A., Retamales J.
- A2** Screening of new strawberry varieties/selections for open field production at pcfruit. Boonen M., Bylemans D., Gallace N.
- A3** Response of short-day strawberry cultivars to Prohexadione-Calcium. Gallace N., Boonen M., Lieten P., Remy S., Verjans W.
- A4** Chilling requirement of Strawberry cv. 'Opera'. Lieten P., Gallace N.
- A5** 'Renaissance' - a result of strawberry breeding using instrumental analysis and consumer assisted selection. Olbricht K., Ulrich D.
- A6** 'Photosynthetic characteristics of Dutch greenhouse-grown strawberries during the winter season. Weerheim K.
- A7** Relationship between runner plants' (ramet), plant architecture and carbohydrate accumulation in June-bearing and everbearing cultivars of strawberry (*Fragaria x ananassa*, Duch). Zucchi P., Datchev I., Datcheva M., Pantezzi T.
- A8** Phenotyping in different octoploid strawberry populations for QTLs detection. Serra P.R., Monfort A.
- A9** Growing the everbearer Murano: a closer look at the technical aspects. Leida C.
- A10** Vegetative growth for three mexican strawberry cultivars grown in two bed systems. Alvarado-Raya H. E., Calderon-Zavala G., Ramirez-Arias A., Rivera del Rio R.
- A11** Plantologica 'flower mapping' service: describing strawberry plant architecture. Meurs E.J.J. (Bert)

B. Fertilisation and water use

- B1** Recirculation on strawberry trayfields to prevent emissions of drain water. Melis P., Stoffels K., Vervoort M.
- B2** pH buffering capacity differences between different substrates. Bremmer R.
- B3** Does water stress increase fruit quality in open field grown strawberry? Janssens P., Boonen M., Bylemans D., Elsen A., Hertog M.
- B4** Identification and expression of new *Fragaria x ananassa* aquaporins in different tissues and during strawberry fruit development. Merlaen B., De Keyser E., Van Labeke M. C.
- B5** Spent growing media as a resource for composting: recycling C and nutrients for sustainable horticulture. Vandecasteele B., Debode J., Reubens B., Van Delm T., Viaene J.

C. Fruit quality and health, Post-harvest

- C1** Character impact compounds of strawberry aroma. New insights from consumer studies. Ulrich D., Olbricht K.
- C2** Shape evaluation of strawberries. van Dael M., Anthonis J., Nicolai B., Sijbers J., Verboven P.
- C3** Strawberry phytochemical composition and its related healthy effects. Mazzoni L., Balducci F., Battino M., Capocasa F., Di Vittori L., Mezzetti B.

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- C4** A two-years study on the evaluation of vitamin C content in four different strawberry varieties.
Mazzoni L., Balducci F.

D. New technologies and innovative developments

- D1** LED assimilation lighting for strawberries. Joosen B.
D2 Strawberry 2030 – Redesigning a sustainable and resilient production system for glasshouse strawberries. Beerling E., Evenhuis B., Hofland-Zijlstra J., Janse J., Kruidhof M.
D3 High quality LED lamps as an alternative for the incandescent glow bulb. Melis P., Stoffels K., Vervoort M
D4 Feasibility study to grow strawberry outdoors in soilless raised beds under northern climate. Gaudreau L., Veilleux G., Desjardins Y., Dorais M., Gosselin A., Van Sterthem A.
D5 Evaluation of micro-propagation for production of strawberry plants in Victoria, Australia Milinkovic M., Mattner S., Greenhalgh F.
D6 Sap flow and diameter variation sensors. Begerem O.
D7 Crown fructooligosaccharides (FOS) in *F. x ananassa* Mexican cultivars and their potential as substrate. Guevara P., López M.G.
D8 Strawberry production in a plant factory (closed environment) condition. Ikeda T.

E. IPM, pests and diseases

- E1** Effect of biological control measures on *Drosophila suzukii* egg survival and development in strawberry. Braet E., Hanssens J.
E2 Global opportunities, markets, and experiences with dimethyl disulfide (DMDS) soil fumigant in strawberry. Horvath A.
E3 Overhead irrigation for the control of Strawberry powdery mildew: The Swiss experience. Michel V., Ançay A., Baroffio C.
E4 Entomopathogenic fungi in the control of thrips in strawberry. Clymans R., Bangels E., Boonen M., Bylemans D., Craeye S.
E5 Improved control of Spotted Wing *Drosophila* (SWD) in strawberry. Van Kerckvoorde V., Clymans R., Alhmedi A., Bangels E., Thys T., Berkvens N., De Ro M., Casteels H., Bylemans D., Belien T.
E6 Suppressive substrate to control root diseases in strawberry cultivation in tunnel. Khalil S., Svensson B.
E7 *Pestalotiopsis* sp., the causal agent of a new crown rot disease on strawberry in Belgium. Vanwallegem T., Bylemans D., Van Hemelrijck W., Vancampenhout J.
E8 Dimethyl Disulfide (DMDS) straight and in mixtures for strawberry fumigation in Spain. Zanon M.J., de los Santos B., Talavera M., Miranda L., Bernabeu J., de Tommaso N., Myrta A.
E9 Local field survey of parasitoids of *Drosophila suzukii* in five different fruit crops across Belgium. Baets D., Wäckers F., Verstrepen K. J., Jacquemyn H., Lievens B.
E10 Preventing plant loss due to *Phytophthora* infections by choosing the right substrate. Vervoort M., Melis P., Stoffels K., Van Delm T.
E11 Agrobody-mediated crop protection. Van Daele I., Geerinck J., Peferoen M.
E12 Transplantation of soil microbiota to hydroponically grown strawberry. Van Gerrewey T., Geelen D., Petit C., Schouteten J., Van Baeveghem P.
E13 Dimethyl Disulfide (DMDS) to control nutsedge (*Cyperus* spp.) in Europe. Pitrel B., van de Griend P., Santori A., Sunder P., Hendriks E., de Tommaso N., Myrta A.

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