

## Programme overview

### Tuesday 29 September 2009

### SuproFruit2009 - programme

18.00-20.00 hrs Pre-registration  
20.00-21.00 hrs Welcome drink

### Wednesday 30 September 2009

08:30 - 09:30 hrs Registration

#### Opening session Session leader Doruchowski, G.

#### Guest speakers

#### Title of presentation

09:30 - 09:35 hrs	Doruchowski, G.	Convenor – opening of workshop Dutch ministry of agriculture, nature and food quality - spray technique in the authorisation process of ppp
09:35 - 09:55 hrs	Heer, H. de	
09:55 - 10:10 hrs	Heijne, B.	Ten workshops spray application techniques in fruit growing
10:10 - 10:20 hrs	Koning, S.	Director Dutch fruit growers association (NFO) – Importance of spray technique developments for the fruit growers
10:20 - 10:35 hrs	Rousseau, J-C.	Exel-Group (Hardi, Tecnomia, Berthoud) An industry view on sprayer development
10:35 - 10:50 hrs	Corelli Grapadelli, L.	ISAFRUIT – Role of spray technique research in safe and environmental friendly production of fruit
10:50 - 11:10 hrs	Coffee break	

#### Session: ISAFRUIT Session leader Landers, A.

#### Authors

#### Title of presentation

11:10 – 11:30 hrs	Balsari, P., Doruchowski, G., Marucco, P., Tamagnone, M., Zande, J.C. van de, Wenneker, M.	Assessment of spray deposits and biological efficacy in apple orchard using a crop identification system (CIS)
11:30 – 11:50 hrs	Doruchowski, G., Swiechowski, W., Godyn, A., Holownicki, R.	Spray deposit in apple canopies as affected by low drift application strategies with environmentally dependent application system
11:50 – 12:10 hrs	Zande, J.C. van de, Meuleman, J., Wenneker, M.	Early detection of apple scab in apple leaves; development of a crop health sensor (CHS)
12:10 – 12:30 hrs	Wenneker, M., Zande, J.C. van de, Poulsen, M.	Effect of nozzle type on pesticide residues on fruits
12:30 – 14:00 hrs	Lunch and Posters	

<b>Session:</b>	<b>Authors</b>	<b>Title of presentation</b>
<b>Spray drift</b>		
<b>Session leader</b>		
<b>Gil, E.</b>		
14:00 – 14:20 hrs	Michielsen, J.M.G.P., Zande, J.C. van de, Wenneker, M.	Nozzle classification for drift reduction in orchard spraying; effect of nozzle type in a dormant stage orchards
14:20 – 14:40 hrs	Stallinga, H., Zande, J.C. van de, Michielsen, J.M.G.P., Lans, A.M. van der, Velde, P. van, Massink, G.	Spray drift caused by a mast sprayer adapted to high trees
14:40 – 15:00 hrs	Solanelles, F., Gregorio, E., Sanz, R., Rosell, J. R., Arnó, J., Planas, S., Escolá, A., Masip, J., Ribes-Dasi, M., Gracia, F., Camp, F.	Spray drift measurements in tree crops using a lidar system
15:00 – 15:20 hrs	Salyani, M., Miller, D., Farooq, M.	Effects of spraying parameters on drift potential of citrus air-carrier sprayers
15:20 – 15:40 hrs	Dröge, K., Nobbmann, J., Schmidt, K., Ganzelmeier, H.	Environmental friendly plant protection with innovative spraying systems – results of a four years project funded by BLE Germany
15:40 – 16:00 hrs	Wenneker, M., Zande, J.C. van de, Stallinga, H., Michielsen, J.M.G.P., Joosten, N.	Comparison of spray drift between an axial fan and a cross flow sprayer
16:00 – 16:20 hrs	Pergher, G., Petris, R.	An air-assisted tunnel sprayer for vineyards: spray recovery rate under static and dynamic conditions
16:40 – 17:10 hrs	Break and posters	
<b>Session:</b>	<b>Authors</b>	<b>Title of presentation</b>
<b>Small fruits</b>		
<b>Session leader</b>		
<b>Pergher, G.</b>		
17:10 - 17:30 hrs	Nuyttens, D., Braekman, P., Foqué, D.	Comparison between novel and traditional spray application techniques in strawberries
17:30 - 17:50 hrs	Bjugstad, N., Hermansen, P.	Potential operator exposure when spraying raspberries in a tunnel system
<b>Session: Residue &amp; Dosage</b>	<b>Authors</b>	<b>Title of presentation</b>
<b>Session leader</b>		
<b>Pergher, G.</b>		
17:50 - 18:10 hrs	Simonse, R. Cross, J.	Residue and retail Outline report of the first meeting of the Tree Fruits Dose Adjustment Discussion Group, Wageningen, 29 September 2009
18.10 - 18:30 hrs		
19:00 hrs	Joint dinner	

**Thursday  
1 October 2009**

**Programme  
Excursion**

08.00 hrs	Departure Wageningen bus 1 and bus 2 to Fruitmasters Geldermalsen
09.00-09.30 hrs	Arrival at Fruitmasters coffee and presentation
09.30-11.00 hrs	Tour around Fruitmasters
11.00-12.00 hrs	Departure bus 1 to Wageningen
11.00-12.00 hrs	Departure bus 2 to Echteld
	Lunch will be provided in the busses
12.00-13.00 hrs	Arrival bus 1 at Wageningen For a tour and presentation at the spraying lab
12.00-13.00 hrs	Arrival bus 2 at Echteld For a tour and presentation at the fruit grower
13.00-13.30 hrs	Departure bus 1 to Echteld
13.00-13.30 hrs	Departure bus 2 to Wageningen
13.30-14.30 hrs	Arrival bus 1 Echteld For a tour with the fruit grower
13.30-14.30 hrs	Arrival bus 2 Wageningen For a tour around spraying lab
14.30-15.00 hrs	Departure and arrival bus 1 and bus 2 to PPO Randwijk
15.00-22.00 hrs	Arrival bus 1 and bus 2 and start programme PPO Randwijk, including presentations, drinks and dinner
22.00-22.30 hrs	End of the programma excursion Departure and arrival bus 1 and bus 2 at Hof van Wageningen

**Friday  
2 October 2009  
Session: spray  
deposition +  
biological efficacy  
Session leader  
Balsari, P.**

	<b>Authors</b>	<b>Title of presentation</b>
8:30 - 8:50 hrs	Marucco, P., Balsari, P.	Spray application of micro encapsulated pheromones in apple orchards
8:50 - 9:10 hrs	Walklate, P.J., Cross, J., Harris, A.L., Richardson, G.M.	The variation of leaf deposit with volume application rate and the onset of saturation during tree fruit spraying with an air- assisted knapsack
9:10 - 9:30 hrs	Ioriatti, C., Angeli, G., Rizzi, C., Salgarollo, V., Calvi, P., Wohlhauser, R., Wolf, S.	Management of pesticide dosages and water volumes in relation to the vegetative development of pome fruit trees in Italian orchards
9:30 - 9:50 hrs	Loquet, B., Siham, M., Zavagli, F., Gleizer, B.	Reducing drift during spray application in orchard: efficiency of nozzles
9:50 - 10:10 hrs	Coffee break	
10:10 -10:30 hrs	Kaul, P., Gebauer, S., Moll, E., Ralfs, J-P., Dröge, K.	Adjustment of the quantity of chemicals according to the density and extension of the canopy
10:30 -10:50 hrs	Chueca, P., Garcerá, C.,	Optimization of water volume used in

10:50 - 11:10 hrs	Pina, T., Urbaneja, A., Jacas, J., Moltó, E. Fourie, P.H., Brink, J.C., Schutte, G.C., Grout, T.G.	mineral oil applications tot control <i>Tetranychus urticae</i> in citrus Optimal use of spray machines in South African citrus orchards
<b>Session: new spray technology Session leader Salyani, M.</b>	<b>Authors</b>	<b>Title of presentation</b>
11:10 - 11:30 hrs	Landers, A.	In pursuit of the inevitable – the development of an autonomous sprayer for fruit crops
11:30 - 11:50 hrs	Tamagnone, M., Balsari, P., Marucco, P., Oggero, G.	Homogenisation of air flow generated by axial fans used on orchard sprayers
11:50 - 12:10 hrs	Gil, E., Llorens, J., Llop, J.	Variable rate technology for vineyard sprayers: challenges of electronic devices for crop characterization
12:15 - 13:15 hrs 13:15 - 13:35 hrs	lunch + posters Escolà, A., Arnó, J., Sanz, R., Camp, F., Masip, J., Solanelles, F., Rosell, J.R., Planas, S.	Real time foliage density estimation with a lidar sensor for precision fructiculture/horticulture applications. A methodology for field validation
13:35 - 13:55 hrs	Melese Endalew, A., Debaer, C., Rutten, N., Vercammen, J., Delele, M.A., Ramon, H., Nicolai, B., Verboven, P. Smit, G.R.J.	CFD evaluation of the airflow from three types of sprayers in pear orchard trees using 3D canopy architecture
13:55 - 14:15 hrs 14:15 - 14:30 hrs	Coffee break	Pulstec technology – A new way of controlling liquids in agricultural spraying
<b>Session: environment and technique Session leader Holownicki, R.</b>	<b>Authors</b>	<b>Title of presentation</b>
14:30 - 14:50 hrs 14:50 – 15:10 hrs	Balsari, P., Tamagnone, M. Roettele, M., Balsari, P., Doruchowski, G., Petersen, P.H.	Reducing noise from air-assisted sprayers Technical improvements to reduce surface water pollution with Plant Protection Products (ppp) from point sources
15:10 - 15:30 hrs	Klausen, N.E., Høy, J.J., Andersen P.G.	Test of equipment for internal rinsing of sprayers – three systems for subsequent installation
15:30 - 15:50 hrs 15:50 – 16:10 hrs	Kole, J.C. Leendertse, P.C, Visser, A., Balkhoven, H., Aalbers, P., Valstar, L.	Orchard sprayer inspection in the Netherlands Fruit crop and water protection in the region of the Bommelerwaard: new spraying techniques, integrated pest management and selection of pesticides
16:10 hrs 16:20 - 17:00 hrs	Doruchowski, G. Farewell drink	Convenor – closing of workshop