

## Table of Contents

<b>Preface</b>	<b>3</b>
Ganzelmeier, H.	
<b>Table of Contents</b>	<b>5</b>
<b>Summary</b>	<b>8</b>
Ganzelmeier, H.	
<b>Acknowledgement</b>	<b>8</b>
<b>Opening</b>	<b>9</b>
Ganzelmeier, H.	
<b>Welcoming address</b>	<b>11</b>
Hnizdil, M.	
<b>Introduction to the Workshop</b>	<b>12</b>
Ganzelmeier, H.	

## Round Table

<b>Framework Directive on the Sustainable Use of Pesticides</b>	<b>14</b>
European Commission Tongelen, B. van	
<b>Directive of the European Parliament and of the Council on machinery for pesticide application, amending Directive 2006/42/EC of 17 May 2006 on machinery for pesticide application</b>	<b>24</b>
Fraser, I.	
<b>Efficient application equipment in good condition - a prerequisite in crop protection - an ECPA view</b>	<b>30</b>
Hagenvall, H.	
<b>Inspection of individual sprayers - recommendation Paper</b>	<b>41</b>
Oldenkamp, P.	
<b>European farming sector with mixed views of new rules on plant protection</b>	<b>43</b>
Rademacher, J.	
<b>Actual survey about inspection of sprayers in the European countries</b>	<b>48</b>
Wehmann, H.-J.	

## Session 1: Inspection at regular intervals – Inspection of new equipment (according article 8/1 and 8/2)

<b>Introduction paper</b>	<b>53</b>
Ganzelmeier, H.; Wehmann, H.-J.	
<b>The implementation §1,2 &amp; 3 of article 8 of the sustainable use of pesticide directive in Sweden</b>	<b>70</b>
Wahländer, J.	
<b>Conclusions of session 1</b>	<b>73</b>
Ganzelmeier, H.; Wehmann, H.	

## Session 2: Member States may apply different timetables and inspection intervals with exceptions following a risk assessment and exempt handheld pesticide application equipment or knapsack sprayers (according article 8/3)

<b>Introduction paper</b>	<b>75</b>
Huyghebaert, B.; Bjugstad, N.	
<b>Test performance of handheld pesticide application equipment or knapsack sprayers in practical use in Norway</b>	<b>76</b>
Bjugstad, N.; Skuterud, M.	

<b>Pesticide application horticultural and floricultural farms of Liguria Region: Current situation and results of one year of sprayer inspections</b>	<b>82</b>
Balsari, P.; Oggero, G.; Marucco, P.	
<b>Conclusions of session 2</b>	<b>89</b>
Huyghebaert, B.; Bjugstad, N.	
<b>Session 3: The inspections shall verify that pesticide application equipment satisfies the relevant requirements (according article 8/4) 92</b>	
<b>Introduction paper</b>	<b>92</b>
Harasta, P.; Polvêche, V.	
<b>EN 13790 as a basic for inspection of pesticide application equipment (PAE) functioning similar to field crop and air-assisted sprayers</b>	<b>97</b>
Osteroth, H.-J.	
<b>Conclusions of Session 3</b>	<b>102</b>
Harasta, P.; Polvêche, V.	
<b>Optional evening activities - Presentations</b>	
<b>Training of sprayer inspectors – a Swedish approach</b>	<b>103</b>
Nilsson, E.	
<b>Electronic inspection reports in the Netherlands. Efficient and uniform data transfer of performed inspections to the owner of the sprayer and the supervising organization</b>	<b>107</b>
Kole, J.C.	
<b>Sprayer-Testing - Electronic analysis of the test reports</b>	<b>110</b>
Herbst, E.; Herbst, K.	
<b>Software for inspections of sprayers: needs and solution.</b>	<b>112</b>
Langenakens, Ir. Jan	
<b>Posters</b>	
<b>IrroMono-IrroNet: a software to manage the inspections of sprayers already in use</b>	<b>119</b>
Biocca, M.	
<b>An overview of the compulsory inspection of sprayers in Belgium</b>	<b>122</b>
Declercq, J.; Huyghebaert, B.; Nuyttens, D.	
<b>Sprayer inspection in Portugal</b>	<b>123</b>
Moreira, J.F.; Funenga, M.A.; Martins, M.C.; Nunes, P.; Gonçalves, A.; Aguiar, M.; Baptista, V.; Pacheco, F.	
<b>Inspection of Pesticide Application Equipment in Czech Republic</b>	<b>124</b>
Jedlička, T.	
<b>UK National Sprayer Testing Scheme</b>	<b>125</b>
Lane-Nott, R.	
<b>Inspection, calibration and other ways of improving the efficiency of air assistance sprayer in the purpose of applying small and medium application rates in fruit production</b>	<b>126</b>
Sedlar, A.; Đukić, N.; Bugarin, R.	
<b>Exhibition</b>	
<b>Ernst Herbst Prüftechnik e.K. - Plant protection equipment, test engineering, agricultural technology</b>	<b>127</b>
Herbst, E.; Herbst K.	
<b>ITEQ - Comprehensive solutions for the inspection of sprayers</b>	<b>130</b>
Mostade, O.; Briffeuil, P.	

<b>ITEQ Sprayer Diagnostic Software</b>	<b>133</b>
Mostade, O.; Briffeuil, P.	
<b>Session 4: Regular calibration and technical checks of pesticide application equipment (according article 8/5)</b>	
<b>Introduction paper</b>	<b>148</b>
Andersen, P.G.; Nilsson, E.	
<b>Calibration of sprayers</b>	<b>143</b>
Andersen, P.G.; Jørgensen, M.K.	
<b>Conclusions of Session 4</b>	<b>153</b>
Nilsson, E.; Andersen, P.G.	
<b>Session 5: Member States shall establish certificate systems for mutual recognition of the certificates (according article 8/6)</b>	
<b>Introduction paper</b>	<b>154</b>
Kole, J.C.; Lesnik, M.	
<b>An overview of the defects on tested field sprayers in Belgium</b>	<b>157</b>
Declercq, J.; Huyghebaert, B.; Nuytens, D.	
<b>Conclusions of Session 5</b>	<b>164</b>
Kole, J.C.; Lesnik, M.	
<b>Session 6: Defining criteria for rejecting pesticide application equipment, authorization and monitoring of workshop</b>	
<b>Introduction paper</b>	<b>165</b>
Balsari, P.	
<b>The evaluation of sprayers inspection procedure in Italy</b>	<b>177</b>
Balsari, P.; Marucco, M.; Oggero, G.	
<b>Conclusions of Session 6</b>	<b>181</b>
Balsari, P.	
<b>Closing Session</b>	
<b>Concluding remarks of the workshop</b>	<b>182</b>
Ganzelmeier, H.; Balsari, P.; Harasta, P.	
<b>Recommendations of the Workshop “Standardised Procedure for the Inspection of Sprayers in Europe – SPISE 3”</b>	<b>184</b>
<b>Exkursion for visiting inspection centres</b>	<b>184</b>
<b>List of authors</b>	<b>188</b>
<b>Email addresses</b>	<b>189</b>