

# Table of contents

<b>Preface</b>	<b>13</b>
<b>Health and consumer behaviour</b>	<b>15</b>
<b>Nutritionally relevant aspects of potatoes and potato constituents</b> H.J. Buckenhüskes	<b>17</b>
<b>The potential of potatoes for attractive convenience food: focus on product quality and nutritional value</b> J. van Gijssel	<b>27</b>
<b>Adding value to potatoes by processing for the benefit of the consumer</b> M.J.H. Keijbets	<b>33</b>
<b>Potato: a dull meal component?!</b> Wiro G.J. Sterk	<b>39</b>
<b>Understanding consumer behaviour is not optional: do we change it or does it change us?</b> David F. Walker	<b>45</b>
<b>Breeding and seed production</b>	<b>53</b>
<b>Genomic resources in potato and possibilities for exploitation</b> E. Ritter, F. Lucca, I. Sánchez, J.I. Ruiz de Galarreta, A. Aragonés, S. Castañón, G. Bryan, R. Waugh, V. Lefebvre, F. Rousselle-Bourgoise, C. Gebhardt, H. van Eck, H. van Os, J. Taco, E. Bakker and J. Bakker	<b>55</b>
<b>Breeding for quality improvement: market fitness and nutritional quality</b> T.R. Tarn	<b>66</b>
<b>Breeding and diagnostic developments for better storage of potatoes to meet future industry needs</b> N.W. Kerby, M.F.B. Dale, A.K. Lees, M.A. Taylor and J.E. Bradshaw	<b>76</b>
<b>Seed potato systems in Latin America</b> Marcelo Huarte	<b>86</b>
<b>Technology driving change in the seed potato industry</b> David McDonald	<b>93</b>

<b>Managing Intellectual Property portfolios in potato</b>	<b>95</b>
R. Korenstra	
<b>Decision support systems</b>	<b>105</b>
<b>Present role and future potential of decision support systems in managing resources in potato production</b>	<b>107</b>
A.J. Haverkort	
<b>Calibration of a crop growth simulation model to study irrigation scheduling effects on potato yield</b>	<b>117</b>
R. Rocha-Rodríguez, J.A. Quijano-Carranza and J. Narro-Sánchez	
<b>Setting out the parameters of IRRINOV®, a method for irrigation scheduling</b>	<b>122</b>
J.M. Deumier, F.X. Broutin and D. Gaucher	
<b>Presentation of a Decision-Support System (DSS) for nitrogen management in potato production to improve the use of resources</b>	<b>134</b>
J.P. Goffart, M. Olivier and J.P. Destain	
<b>NemaDecide: a decision support system for the management of potato cyst nematodes</b>	<b>143</b>
T.H. Been, C.H. Schomaker and L.P.G. Molendijk	
<b>Production and storage</b>	<b>157</b>
<b>Technology developments in potato yield and quality management</b>	<b>159</b>
V.T.J.M. Achten	
<b>Comparing the effects of chemical haulm desiccation and natural haulm senescence in potato by the use of two different skin set methods</b>	<b>169</b>
Eldrid Lein Molteberg	
<b>Volunteer potatoes</b>	<b>172</b>
Melvyn F. Askew	
<b>Present state and future prospects of potato storage technology</b>	<b>179</b>
A. Veerman and R. Wustman	
<b>Comparison of different transport and store-filling methods</b>	<b>190</b>
T. Horlacher and R. Peters	

<b>Crop protection</b>	<b>201</b>
<b>Integrated management of potato tuber moth in field and storage</b> A. Hanafi	<b>203</b>
<b>Purple top disease and beet leafhopper transmitted virescence agent (BLTVA) phytoplasma in potatoes of the Pacific Northwest of the United States</b> J.E. Munyaneza	<b>211</b>
<b>Survival and disease suppression of potato brown rot in organically and conventionally managed soils</b> N.A.S. Messiha,, J.D. Janse, A. van Diepeningen, F.G. Fawzy, A.J. Termorshuizen and A.H.C. van Bruggen	<b>221</b>
<b>Survival of <i>Ralstonia solanacearum</i> biovar 2 in canal water in Egypt</b> D.T. Tomlinson, J.G. Elphinstone, M.S. Hanafy, T.M. Shoala, H. Abd El-Fatah, S.H. Agag, M. Kamal, M.M. Abd El-Aliem, H. Abd El-Ghany, S.A. El-Haddad, F.G. Fawzi and J.D. Janse	<b>228</b>
<b>Survival of the potato brown rot bacterium (<i>Ralstonia solanacearum</i> biovar 2) in Egyptian soils</b> D.T. Tomlinson, J.G. Elphinstone, H. Abd El-Fatah, S.H.A. Agag, M. Kamal, M.Y. Soliman, M.M. Abd El-Aliem, H. Abd El-Ghany, S.A. El-Haddad, Faiza G. Fawzi and J.D. Janse	<b>233</b>
<b>The influence of <i>Solanum sisymbriifolium</i> on potato cysts nematode population reduction</b> Elzbieta Malinowska, Jozef Tyburski, Bogumil Rychcik and Jadwiga Szymczak-Nowak	<b>239</b>
<b>Late blight</b>	<b>243</b>
<b>Late blight: the perspective from the pathogen</b> Francine Govers	<b>245</b>
<b>Breeding for foliage late blight resistance in the genomics era</b> J.J.H.M. Allefs, M.W.M. Muskens and E.A.G. van der Vossen	<b>255</b>
<b>Control of <i>Phytophthora infestans</i> in potato</b> H.T.A.M. Schepers	<b>268</b>
<b>Primary outbreaks of late blight and effect on the control strategy</b> Peter Raatjes	<b>276</b>

<b>The Netherlands Umbrella Plan Phytophthora in (inter)national perspective</b>	<b>282</b>
Piet M. Boonekamp	
<b>Eucablight: a late blight network for Europe</b>	<b>290</b>
L.T. Colon , D.E.L. Cooke, J. Grønbech-Hansen, P. Lassen, D. Andrivon, A. Hermansen, E. Zimnoch-Guzowska and A.K. Lees	
<b>Potato blight populations in Ireland and beyond</b>	<b>299</b>
L.R. Cooke, and K.L. Deahl	
<b>Late blight resistance in Sárpo clones: an update</b>	<b>311</b>
D.S. Shaw and D.T. Kiezebrink	
<b>Infinito®: a novel fungicide for long-lasting control of late blight in potato</b>	<b>315</b>
S. Tafforeau, M.P. Latorse, P. Duvert, E. Bardsley, T. Wegmann and A. Schirring	
<b>The role of spray technology to control late blight in potato</b>	<b>324</b>
J.C. van de Zande, J.M.G.P. Michielsen, H. Stallinga, R. Meier and H.T.A.M. Schepers	
<b>Trade</b>	<b>339</b>
<b>General trends in the European potato trade</b>	<b>341</b>
Jörg Renatus	
<b>Serving the potato market: Danespo-Denmark view</b>	<b>348</b>
Peter van Eerd	
<b>Production of potato and seed potato in Russia</b>	<b>352</b>
Boris V. Anisimov	
<b>Production and marketing of potato in the process of full membership of Turkey to the European Union</b>	<b>359</b>
Aziz Satana	