

# CITATION REPORT

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## Evolved Glyphosate Resistance in Plants: Biochemical and Genetic Basis of Resistance

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#	Paper	IF	Citations
193	Glyphosate, paraquat and ACCase multiple herbicide resistance evolved in a <i>Lolium rigidum</i> biotype. <b>2007</b> , 225, 499-513		158
192	Structural basis of glyphosate tolerance resulting from mutations of Pro101 in <i>Escherichia coli</i> 5-enolpyruvylshikimate-3-phosphate synthase. <b>2007</b> , 282, 32949-55		69
191	Widespread occurrence of multiple herbicide resistance in Western Australian annual ryegrass ( <i>Lolium rigidum</i> ) populations. <b>2007</b> , 58, 711		152
190	Review of Glyphosate and Als-inhibiting Herbicide Crop Resistance and Resistant Weed Management. <i>Weed Technology</i> , <b>2007</b> , 21, 547-558	1.4	69
189	Evolution of Glyphosate-Resistant Johnsongrass ( <i>Sorghum halepense</i> ) in Glyphosate-Resistant Soybean. <i>Weed Science</i> , <b>2007</b> , 55, 566-571	2	57
188	Using Trifloxysulfuron with Glyphosate for Cotton Weed Control. <i>Weed Technology</i> , <b>2007</b> , 21, 431-436	1.4	3
187	Mechanisms of Resistance to Glyphosate in a Ryegrass ( <i>Lolium Multiflorum</i> ) Biotype from Chile. <i>Weed Science</i> , <b>2007</b> , 55, 435-440	2	92
186	Consultant Perspectives on Weed Management Needs in Arkansas Cotton. <i>Weed Technology</i> , <b>2007</b> , 21, 825-831	1.4	40
185	Glyphosate-resistant Hairy Fleabane ( <i>Conyza Bonariensis</i> ) in Spain. <i>Weed Technology</i> , <b>2007</b> , 21, 396-401	1.4	54
184	Environmental impacts of transgenic herbicide-resistant crops.. <b>2007</b> , 2,		5
183	Review of potential environmental impacts of transgenic glyphosate-resistant soybean in Brazil. <b>2007</b> , 42, 539-49		38
182	Herbicide research and development: challenges and opportunities. <b>2007</b> , 47, 271-275		79
181	Resistance to glyphosate from altered herbicide translocation patterns. <i>Pest Management Science</i> , <b>2008</b> , 64, 372-6	4.6	99
180	Simulation modelling to understand the evolution and management of glyphosate resistance in weeds. <i>Pest Management Science</i> , <b>2008</b> , 64, 392-401	4.6	51
179	Glyphosate: a once-in-a-century herbicide. <i>Pest Management Science</i> , <b>2008</b> , 64, 319-25	4.6	946
178	Evolved glyphosate-resistant weeds around the world: lessons to be learnt. <i>Pest Management Science</i> , <b>2008</b> , 64, 360-5	4.6	308
177	Sustainable use of glyphosate in North American cropping systems. <i>Pest Management Science</i> , <b>2008</b> , 64, 409-16	4.6	39

176	Glyphosate sustainability in South American cropping systems. <i>Pest Management Science</i> , <b>2008</b> , 64, 422-4.6	4.6	42
175	Functional biodiversity: An agroecosystem approach. <b>2008</b> , 127, 7-21		197
174	Green and blue light photoreceptors are involved in maintenance of dormancy in imbibed annual ryegrass ( <i>Lolium rigidum</i> ) seeds. <i>New Phytologist</i> , <b>2008</b> , 180, 81-89	9.8	31
173	Shikimate accumulation in nine weedy species following glyphosate application. <b>2008</b> , 48, 455-460		13
172	Glyphosate and Multiple Herbicide Resistance in Common Waterhemp ( <i>Amaranthus rudis</i> ) Populations from Missouri. <i>Weed Science</i> , <b>2008</b> , 56, 582-587	2	108
171	Glyphosate-Resistant Italian Ryegrass ( <i>Lolium multiflorum</i> ) in California: Distribution, Response to Glyphosate, and Molecular Evidence for an Altered Target Enzyme. <i>Weed Science</i> , <b>2008</b> , 56, 496-502	2	85
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169	Resistência ao glyphosate em biótipos de <i>Conyza bonariensis</i> e <i>Conyza canadensis</i> no Estado do Rio Grande do Sul, Brasil. <i>Planta Daninha</i> , <b>2008</b> , 26, 467-471	0.7	38
168	Microwave-assisted solvent extraction and analysis of shikimic acid from plant tissues. <i>Planta Daninha</i> , <b>2009</b> , 27, 987-994	0.7	17
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163	Distinct non-target site mechanisms endow resistance to glyphosate, ACCase and ALS-inhibiting herbicides in multiple herbicide-resistant <i>Lolium rigidum</i> . <b>2009</b> , 230, 713-23		117
162	Weed control in glyphosate-tolerant maize in Europe. <i>Pest Management Science</i> , <b>2009</b> , 65, 1047-58	4.6	33
161	Evolution of glyphosate resistance in a <i>Lolium rigidum</i> population by glyphosate selection at sublethal doses. <b>2009</b> , 103, 318-25		102
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159	Horseweed with reduced susceptibility to glyphosate found in the czech republic. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 6957-61	5.7	10

158	Soybean Seeding Rate Effects on Weed Management. <i>Weed Technology</i> , <b>2009</b> , 23, 17-22	1.4	44
157	Confirmation and Resistance Mechanisms in Glyphosate-Resistant Common Ragweed ( <i>Ambrosia artemisiifolia</i> ) in Arkansas. <i>Weed Science</i> , <b>2009</b> , 57, 567-573	2	23
156	Pitted and Hybrid Morningglory Accessions Have Variable Tolerance to Glyphosate. <i>Weed Technology</i> , <b>2009</b> , 23, 592-598	1.4	11
155	Role of Translocation as A Mechanism of Resistance to Glyphosate. <i>Weed Science</i> , <b>2009</b> , 57, 118-123	2	133
154	Tribenuron-Methyl Resistant Flixweed ( <i>Descurainia sophia</i> ). <b>2009</b> , 8, 488-490		4
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150	The response of <i>Bromus diandrus</i> and <i>Lolium rigidum</i> to dalapon and glyphosate I: baseline sensitivity. <b>2010</b> , 50, 312		6
149	Selection and characterization of a novel glyphosate-tolerant upland cotton ( <i>Gossypium hirsutum</i> L.) mutant (R1098). <b>2010</b> , 129, 192-196		5
148	Herbicidas alternativos para controle de biótipos de <i>Conyza bonariensis</i> e <i>C. canadensis</i> resistentes ao glyphosate. <i>Planta Daninha</i> , <b>2010</b> , 28, 167-175	0.7	23
147	Crescimento diferencial de biótipos de <i>Conyza</i> SPP. resistente e suscetível ao herbicida glifosato. <b>2010</b> , 69, 591-598		7
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127	Herbicide Application Strategies for the Control of Rigid Ryegrass ( <i>Lolium rigidum</i> ) in Wide-Row Faba Bean ( <i>Vicia faba</i> ) in Southern Australia. <i>Weed Technology</i> , <b>2012</b> , 26, 284-288	1.4	4
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97	Variation in <i>Elymus repens</i> susceptibility to glyphosate. <b>2014</b> , 64, 211-219		
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92	Characterization of multiple-herbicide-resistant Italian ryegrass ( <i>Lolium perenne</i> spp. multiflorum). <i>Pest Management Science</i> , <b>2014</b> , 70, 1145-50	4.6	17
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85	Strategic tillage in no-till farming systems in Australia's northern grains-growing regions: I. Drivers and implementation. <i>Soil and Tillage Research</i> , <b>2015</b> , 152, 104-114	6.5	56
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63	Investigation of glyphosate resistance levels and target-site based resistance (TSR) mechanisms in <i>Conyza canadensis</i> (L.) from apple orchards around areas of Bohai seas and Loess Plateau in China. <i>Pesticide Biochemistry and Physiology</i> , <b>2018</b> , 146, 7-12	4.9	5
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59	Glyphosate-Resistant Junglerice ( <i>Echinochloa colona</i> ) from Mississippi and Tennessee: Magnitude and Resistance Mechanisms. <i>Weed Science</i> , <b>2018</b> , 66, 603-610	2	8
58	Influence of Airspeed and Adjuvants on Droplet Size Distribution in Aerial Applications of Glyphosate. <i>Applied Engineering in Agriculture</i> , <b>2018</b> , 34, 507-513	0.8	5
57	Non-target-site glyphosate resistance in <i>Echinochloa colona</i> from Western Australia. <i>Crop Protection</i> , <b>2018</b> , 112, 257-263	2.7	10
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54	Co-expression of P173S Mutant Rice and Genes Results in Higher Glyphosate Tolerance in Transgenic Rice. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 144	6.2	20
53	Multiple target site resistance to glyphosate in junglerice ( <i>Echinochloa colona</i> ) lines from California orchards. <i>Pest Management Science</i> , <b>2018</b> , 74, 2747-2753	4.6	9
52	Fate of Glyphosate during Production and Processing of Glyphosate-Resistant Sugar Beet ( <i>Beta vulgaris</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 2061-2065	5.7	10
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47	Evaluation of Methods to Assess Activity of Engineered Genome-Editing Nucleases in Protoplasts. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 110	6.2	8
46	Growth-stage and temperature influence glyphosate resistance in <i>Conyza bonariensis</i> (L.) Cronquist. <i>South African Journal of Botany</i> , <b>2019</b> , 121, 248-256	2.9	7
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44	Response of glyphosate-resistant and susceptible biotypes of <i>Echinochloa colona</i> to low doses of glyphosate in different soil moisture conditions. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233428	3.7	13
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