

Appendix L

Bibliography of Submitted Fate and Ecotoxicity Studies

(Organized by salt and then by guideline number)

Glyphosate Acid (PC Code 417300)

71-1 Avian Single Dose Oral Toxicity

MRID	Citation Reference
108204	Fink, R.; Beavers, J.; Brown, R. (1978) Final Report: Acute Oral LD50--Bobwhite Quail: ?Technical Glyphosate : Project No. 139- 140. (Unpublished study received Jul 14, 1978 under 524-308; prepared by Wildlife International, Ltd. and Washington College, submitted by Monsanto Co., Washington, DC; CDL:234395-A)
44320626	Johnson, A. (1997) Glyphosate Acid: Acute Oral Toxicity (LD50) to Bobwhite Quail: Lab Project Number: ISN 400/963658: ISN 400/963858. Unpublished study prepared by Huntingdon Life Sciences Ltd. 18 p.

71-2 Avian Dietary Toxicity

MRID	Citation Reference
37765	Fink, R. (1973) Final Report: Eight-Day Dietary LCI50^--Mallard Ducks= Project No. 241-107. (Unpublished study received on un- known date under 4G1444; prepared by Hazleton Laboratories, Inc., submitted by Monsanto Co., Washington, D.C.; CDL:093848-Q)
108107	Fink, R. (1973) Final Report: Eight-day Dietary LC50--Mallard Ducks: ?Technical CP67573 : Project No. 241-107. (Unpublished study received Jul 12, 1974 under 5F1536; prepared by Environ- mental Sciences Corp., submitted by Monsanto Co., Washington, DC; CDL:094171-I)
44320627	Johnson, A.; Dawe, I. (1997) Glyphosate Acid: Dietary LD50 to the Mallard Duck: Lab Project Number: ZCA 23: ZCA 23/971766. Unpublished study prepared by Huntingdon Life Sciences Ltd. 34 p.
44320628	Johnson, A.; Dawe, I. (1997) Glyphosate Acid: Dietary LD50 to the Bobwhite Quail: Lab Project Number: ISN 395/963857. Unpublished study prepared by Huntingdon Life Sciences Ltd. 39 p.

71-4 Avian Reproduction

MRID	Citation Reference
108207	Fink, R.; Beavers, J. (1978) Final Report: One-generation Reproduction study--Bobwhite Quail: ?Glyphosate Technical . Project No. 139-141. (Unpublished study received Nov 13, 1978 under 524-308; prepared by Wildlife International, Ltd., submitted by Monsanto Co., Washington, DC; CDL:235924-B)
111953	Fink, R.; Beavers, J. (1978) Final Report: One-generation Reproduction Study--Mallard Duck: ?Glyphosate Technical . Project No. 139-143. (Unpublished study received Nov 13, 1978 under 524-308; prepared by Wildlife International Ltd., submitted by Monsanto Co., Washington, DC; CDL:235924-A)
113457	Fink, R. (1975) Final Report: One-generation Reproduction Study--Mallard Duck: Project No. 139-101. (Unpublished study received Sep 25, 1975 under 6G1679; prepared by Truslow Farms, Inc., submitted by Monsanto Co., Washington, DC; CDL:094683-N)

72-1 Acute Toxicity to Freshwater Fish

MRID	Citation Reference
108105	Monsanto Co. (1973?) Summary of Fish and Wildlife Studies: ?Round-up . Summary of studies 094171-B through 094171-E, 094171-H through 094171-N, 120371-A, and 050131-B. (Unpublished study received Jul 12, 1974 under 5F1536; CDL:094171-A)
108106	U.S. Fish and Wildlife Service, Fish Control Laboratories (1969) Summary Results of Preliminary Bioassays. (Unpublished study; CDL:094171-C)
108126	Russell, M. (1949?) ?CP 67573 and Toxaphene: Toxicity to Fish . (Unpublished study received Jul 12, 1974 under 5F1536; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL:094161-A)
108195	Russell, M. (1972) Report to Monsanto Company: Four-day Static Fish Toxicity Studies with CP 67573 in Rainbow Trout and Bluegills: IBT No. R2278. (Unpublished study received Jun 21, 1978 under 524-308; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL:234144-A) Rausina, G. (1973) Report to Monsanto Company: Four-day Static Fish

MRID	Citation Reference
108196	Toxicity Study with CP 67573 in Carp: IBT No. 665-03629. (Unpublished study received Jun 21, 1978 under 524-308; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL:234147-A)
108205	McAllister, W.; Forbis, A. (1978) Acute Toxicity of Technical Glyphosate to Bluegill Sunfish (<i>Lepomis macrochirus</i>): Static Acute Bioassay Report. (Unpublished study received Jul 14, 1978 under 524-308; prepared by Analytical Bio Chemistry Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL: 234395-B)
111942	Russell, M. (1972) Report to Monsanto Company: Four-day Static Fish Toxicity Studies with CP 67573 in Rainbow Trout and Bluegills: IBT No. R2278. (Unpublished study received Jul 12, 1974 under 5F1536; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL:094171-B)
111944	Rausina, G. (1974) Report to Monsanto Company: Four-day Static Fish Toxicity Study with Mon 2139 in Channel Catfish: IBT No. 621- 05412. (Unpublished study received Sep 25, 1975 under 6G1679; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, DC; CDL:094683-M)
44125704	Ward, T.; Magazu, J.; Boeri, R. (1996) Acute Toxicity of Glygran WDG to the Fathead Minnow, <i>Pimephales promelas</i> : Lab Project Number: 1008-LP. Unpublished study prepared by T.R. Wilbury Labs., Inc. 41 p.
44125705	Boeri, R.; Magazu, J.; Ward, T. (1996) Acute Toxicity of Glygran WDG to the Rainbow Trout, <i>Oncorhynchus mykiss</i> : Lab Project Number: 1056-LH. Unpublished study prepared by T.R. Wilbury Labs., Inc. 39 p.
44320629	Kent, S.; Morris, D.; Caunter, J.; et al. (1995) Glyphosate Acid: Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>): Lab Project Number: BL5552/B: AB0503/D. Unpublished study prepared by Brixham Environmental Laboratory. 21 p.
44320630	Kent, S.; Morris, D.; Caunter, J.; et al. (1995) Glyphosate Acid: Acute Toxicity to Bluegill Sunfish (<i>Lepomis macrochirus</i>): Lab Project Number: BL5553/B: AB0503/E. Unpublished study prepared by Brixham Environmental Laboratory. 20 p.
45088217	Singh, S.; Yadav, N. (1978) Toxicity of Some Herbicides to Major Carp Fingerlings. <i>Indian J. Ecol.</i> 5(2):141-147.
45202909	Grande, M.; Andersen, S.; Berge, D. (1994) Effects of pesticides on fish: experimental and field studies. <i>Norwegian Journal of Agricultural Sciences Suppl.</i> 13: 195-209.
45374001	Swarbrick, R.; Shillabeer, N. (1999) Glyphosate: Acute Toxicity to

MRID**Citation Reference**

- Rainbow Trout (*Oncorhynchus mykiss*) of a 360 g l(-1) SL Formulation: Lab Project Number: BL6721/B: AG0360/B. Unpublished study prepared by AstraZeneca. 20 p.
- 45374002 Magor, S.; Shillabeer, N. (2000) Glyphosate: Acute Toxicity to Bluegill Sunfish (*Lepomis macrochirus*) of a SL Formulation: Lab Project Number: BL6926/B: AH0297/A. Unpublished study prepared by AstraZeneca UK Ltd. 19 p.

72-2 Acute Toxicity to Freshwater Invertebrates**MRID****Citation Reference**

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- 44125706 Boeri, R.; Magazu, J.; Ward, T. (1996) Acute Toxicity of Glygran WDG to the Daphnid, *Daphnia magna*: Lab Project Number: 1009-LP. Unpublished study prepared by T. R. Wilbury Labs., Inc. 40 p.
- 44320631 Morris, D.; Kent, S.; Banner, A.; et al. (1995) Glyphosate Acid: Acute Toxicity to *Daphnia magna*: Lab Project Number: BL5551/B: AB0503/C. Unpublished study prepared by Brixham Environmental Laboratory. 22 p.
- 45374003 Swarbrick, R.; Shillabeer, N. (1999) Glyphosate: Acute Toxicity to *Daphnia magna* of a 360 g l(-1) SL Formulation: Lab Project Number: BL6722/B: AG0360/C. Unpublished study prepared by AstraZeneca UK Ltd. 21 p.

72-4 Fish Early Life Stage/Aquatic Invertebrate Life Cycle Study**MRID****Citation Reference**

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- 26483 Russell, M. (1972) Report to Monsanto Company: Four-Day Static Fish Toxicity Studies with CP 67573 in Rainbow Trout and Bluegills: IBT No. R2278. (Unpublished study received on unknown date under 4G1444; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, D.C.; CDL:093848-J)
- 26484 U.S. Bureau of Sport Fisheries and Wildlife, Fish Control Laboratories. (1969) Summary Results of Preliminary Bioassays. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL:093848-K)
- 26486 Rausina, G. (1973) Report to Monsanto Company: Four-Day Static Fish Toxicity Study with CP 67573 in Carp: IBT No. 665-03629. (Un-

published study received on unknown date under 4G1444; prepared by Industrial Bio-Test Laboratories, Inc., submitted by Monsanto Co., Washington, D.C.; CDL:093848-M)

41377 Monsanto Company (19??) Summary: (CP 41845). (Unpublished study received May 26, 1976 under 524-EX-18; CDL:225081-B)

72-6 Aquatic org. accumulation

MRID	Citation Reference
41228301	Forbis, A. (1989) Uptake, Depuration and Bioconcentration of (Carbon 14)-Glyphosate to Bluegill Sunfish (<i>Lepomis macrochirus</i>): Project ID MSL-9304. Unpublished study prepared by Analytical Bio-Chemistry Laboratories, Inc. 425 p.
41228302	Ridley, W.; Chott, K. (1989) Uptake, Depuration and Bioconcentration of ?Carbon 14]-Glyphosate to Bluegill Sunfish (<i>Lepomis macrochirus</i>): Project ID MSL-9303. Unpublished study prepared by Monsanto Agricultural Co. 43 p.

121-1 Phytotoxicity

MRID	Citation Reference
27365	Sprankle, P.L. (1974) Factors Affecting the Herbicidal Activity of N-(Phosphonomethyl) Glycine (Glyphosate) on Quackgrass <i>Agropyron repens</i> (L.) Beauv. and in the Soil. Doctoral dissertation, Michigan State Univ., Dept. of Crop and Soil Sciences. (Unpublished study received Jul 12, 1974 under 5F1536; submitted by Monsanto Co., Washington, D.C.; CDL: 094179-A)
30159	Mattson, M.P.; Kennedy, G.; Malone, R.S.; et al. (1977) ?Weed Control in Wheat and Barley Using Aatrex Herbicide . (Unpublished study received Jun 19, 1978 under 100-24; submitted by state of Nebraska for Ciba-Geigy Corp., Greensboro, N.C.; CDL:235076-A)
32396	Rogers, R.L.; Zaunbrecher, S.J.; Vidrine, P.R.; et al. (1972) Soy-bean Weed Control Research: Progress Report--1972. (Unpublished study received Jul 1, 1974 under 5F1529; prepared by Louisiana State Univ., Agricultural Experiment Station, Plant Pathology Dept., Northeast Louisiana, Dean Lee Agricultural Center, Red River Valley and Rice Experiment Stations, submitted by BASF Wyandotte Corp., Parsippany, N.J.; CDL:094143-Q)

MRID	Citation Reference
39941	Henshall, A.; Brightwell, B.B.; Marvel, J.T. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 5: Soil Binding and Phytotoxicity of Mon-0573 and Its Metabolites on Soils: Agricultural Research Report No. 274. (Unpublished study received Jan 31, 1977 under 524-308; submitted by Monsanto Chemical Co., Washington, D.C.; CDL:095790-B)
41831	Henshall, A.; Brightwell, B.B.; Marvel, J.T. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 5: Soil Binding and Phytotoxicity of Mon-0573 and Its Metabolites on Soils: Agricultural Research Report No. 274. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL:093846-F)
47782	Rueppel, M.L.; Darlington, W.A. (1972) Final Report on Mon-0573, Residue and Metabolism--Part 1: The Duration of Mon-0573 Biological Activity in Soil: Agricultural Research Report No. 254. (Unpublished study received Jul 12, 1974 under 5F1536; submitted by Monsanto Co., Washington, D.C.; CDL:094177-B)
108142	Monsanto Co. (1977) Effectiveness of CP-70139 to Control Pests on Cotton and Other Crops . (Compilation; unpublished study received Jun 21, 1977 under 524-308; CDL:096189-A)
108143	Monsanto Co. (1977) Summary and Conclusions: CP 70139 . (Compilation; unpublished study received Jun 21, 1977 under 524-308; CDL:096190-A)
135269	Monsanto Co. (1977) Line Summary: Stone Fruits: Efficacy of Terbutryn and Other Herbicides . (Compilation; unpublished study received Nov 20, 1978 under 524-EX-47; CDL:097637-A)

122-1 Seed Germination/Seedling Emergence and Vegetable Vigor

MRID	Citation Reference
44125712	Willard, T. (1996) Study of the Effects of Glyphosate Acid on Seedling Emergence: A Tier 1 Terrestrial Nontarget Plant Hazard Evaluation: Lab Project Number: AA950702: BA/950015. Unpublished study prepared by American Agricultural Services, Inc. 120 p.
45227704	Davis, D. (1980) Effects of Herbicides on Submerged Seed Plants: Lab Project Number: A-067-ALA: 14-34-0001-0101. Unpublished study prepared by Auburn University. 10 p.

123-1 Seed germination/seedling emergence and vegetative vigor

MRID	Citation Reference
43088701	Chetram, R.; Lucash, K. (1994) Tier 2 Vegetative Vigor Nontarget Phytotoxicity Study Using Glyphosate: Lab Project Number: 93235: MSL-13320: R.D. 1219. Unpublished study prepared by Pan-Agricultural Labs, Inc. 240 p.
44125715	Willard, T. (1996) Study of the Effects of Glyphosate Acid on Plant Vegetative Vigor: A Tier 2 Terrestrial Nontarget Plant Hazard Evaluation: (Final Report): Lab Project Number: AA950701: BA/950015: Unpublished study prepared by American Agricultural Services, Inc. 167 p.
44320635	Everett, C.; Fleming, T.; Cole, J. (1996) Glyphosate Acid: A Tier II Glasshouse Study to Assess the Effects on Seedling Emergence of Terrestrial Non-Target Plants: Lab Project Number: 95JH113: RJ2008B. Unpublished study prepared by Zeneca Limited. 32 p.
44320636	Everett, C.; Fleming, T.; Cole, J. (1996) Glyphosate Acid: A Tier II Glasshouse Study to Assess the Effects on Vegetative Vigour of Terrestrial Non-Target Plants: Lab Project Number: 95JH114: RJ2009B. Unpublished study prepared by Zeneca Limited. 55 p.
45045101	Willard, T. (2000) Supplemental Data to: MRID No. 44125715, Study of the Effects of Glyphosate Acid on Plant Vegetative Vigor: A Tier 2 Terrestrial Nontarget Plant Hazard Evaluation: Lab Project Number: AA950701: BA#950015. Unpublished study prepared by American Agricultural Services, Inc. 143 p.

123-2 Aquatic plant growth

MRID	Citation Reference
40236901	Hughes, J. (1987) The Toxicity of Glyphosate Technical to <i>Selenastrum capricornutum</i> : Lab Project ID: 1092-02-1100-1. Unpublished study prepared by Malcolm Pirnie, Inc. 23 p.
40236902	Hughes, J. (1987) The Toxicity of Glyphosate Technical to <i>Navicula pelliculosa</i> : Lab Project ID: 1092-02-1100-2. Unpublished study prepared by Malcolm Pirnie, Inc. 23 p.
40236903	Hughes, J. (1987) The Toxicity of Glyphosate Technical to <i>Skeletonema costatum</i> : Lab Project ID: 1092-02-1100-3. Unpublished study

MRID	Citation Reference
	prepared by Malcolm Pirnie, Inc. 24 p.
40236904	Hughes, J. (1987) The Toxicity of Glyphosate Technical to <i>Anabaena flos-aquae</i> : Lab Project ID: 1092-02-1100-4. Unpublished study prepared by Malcolm Pirnie, Inc. 23 p.
40236905	Hughes, J. (1987) The Toxicity of Glyphosate Technical to <i>Lemna gibba</i> : Lab Project ID: 1092-02-1100-5. Unpublished study prepared by Malcolm Pirnie, Inc. 22 p.
44320637	Smyth, D.; Kent, S.; Morris, D.; et al. (1995) Glyphosate Acid: Acute Toxicity to the Green Alga (<i>Selenastrum capricornutum</i>): Lab Project Number: BL5550/B: AB0503/B. Unpublished study prepared by Zeneca Limited. 24 p.
44320638	Smyth, D.; Kent, S.; Morris, D.; et al. (1996) Glyphosate Acid: Acute Toxicity to Duckweed (<i>Lemna gibba</i>): Lab Project Number: BL5662/B: AB0503/L. Unpublished study prepared by Zeneca Limited. 24 p.
44320639	Smyth, D.; Shillabeer, N.; Morris, D.; et al. (1996) Glyphosate Acid: Acute Toxicity to Blue-Green Alga (<i>Anabaena flos-aquae</i>): Lab Project Number: BL5698/B: AB0503/J. Unpublished study prepared by Zeneca Limited. 25 p.
44320640	Smyth, D.; Kent, S.; Morris, D.; et al. (1996) Glyphosate Acid: Acute Toxicity to the Marine Alga (<i>Skeletonema (sic) costatum</i>): Lab Project Number: BL5684/B: AB0503/I. Unpublished study prepared by Zeneca Limited. 25 p.
44320641	Smyth, D.; Kent, S.; Morris, D.; et al. (1996) Glyphosate Acid: Toxicity to the Freshwater Diatom (<i>Navicula pelliculosa</i>): Lab Project Number: BL5673/B: AB0503/K. Unpublished study prepared by Zeneca Limited. 25 p.
45773101	Boeri, R.; Ward, T. (2002) Glyphosate Acid: Toxicity to the Duckweed, <i>Lemna</i> sp.: Lab Project Number: 2066-LH. Unpublished study prepared by T.R. Wilbury Laboratories, Inc. 35 p. {OPPTS 850.4400}

161-1 Hydrolysis

MRID	Citation Reference
41829	Rueppel, M.L.; Brightwell, B.B.; Darlington, W.A. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 2: The Photolysis, Run-Off, and Leaching of Mon-0573 on or in Soil: Agricultural Research Report No. 258. (Unpublished study received on unknown date under

MRID**Citation Reference**

	4G1444; submitted by Monsanto Co., Washington, D.C.; CDL:093846-C)
47783	Rueppel, M.L.; Brightwell, B.B.; Darlington, W.A. (1972) Final Report on Mon-0573, Residue and Metabolism--Part 2: The Photolysis, Run-Off, and Leaching of Mon-0573 on or in Soil: Agricultural Research Report No. 258. (Unpublished study received Jul 12, 1974 under 5F1536; submitted by Monsanto Co., Washington, D.C.; CDL:094177-C)
108187	Sutherland, M.; Banduhn, M.; Frazier, H. (1977) Environmental Impact Studies on N-Nitroso-n-phosphonomethylglycine: Report No. 467. Final rept. (Unpublished study received Sep 16, 1977; Sep 19, 1977 under 524-308; submitted by Monsanto Co., Washington, DC; CDL:231886-A)
44320642	Bowler, D. (1996) Glyphosate Acid: (P-Methylene-(carbon 14))Glyphosate Acid: Aqueous Hydrolysis at pH 5, 7, and 9 and 25 (degree) C: Lab Project Number: PMS 406: RR 96-002B. Unpublished study prepared by Zeneca Inc. 60 p.

161-2 Photodegradation-water**MRID****Citation Reference**

41096102	Brightwell, B. (1978) Photodegradation and Anaerobic Aquatic Metabolism of Glyphosate, N-Phosphonomethylglycine: Project No. MSL-0598; R.D. No. 924. Unpublished study prepared by Monsanto Agricultural Co. 30 p.
41689101	Castle, S.; Ruzo, L.; Kathryn, S. (1990) Degradation Study: Photodegradation of ?Carbon 14 Glyphosate in a Buffered Aqueous Solution at pH 5, 7 and 9 by Natural Sunlight: Lab Project Number: 233W-1: 233W: 1020. Unpublished study prepared by Pharmacology and Toxicology Research Laboratory, Inc. 105 p.
44125716	Ennio, L. (1990) Photodegradation in Water: UV-VIS Spectra of Glyphosate: Lab Project Number: PR0535: 287 12/2A-2/B-2/C-2/D 2/E. Unpublished study prepared by Istituto di Chimica Industriale, Universite di Padova. 31 p.
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161-3 Photodegradation-soil

MRID	Citation Reference
41830	Rueppel, M.L.; Brightwell, B.B.; Marvel, J.T.; et al. (1972) Final Report On Mon-0573, Residue and Metabolism: Part 3: The Degradation and Metabolism of Mon-0573 in Soil: Agricultural Research Report No. 269. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL: 093846-D)
44320644	Esser, T. (1996) Glyphosate Acid: (P-Methylene-(carbon 14))Glyphosate Acid: Photodegradation in/on Soil by Natural Sunlight: Lab Project Number: 547W: RR 96-046B. Unpublished study prepared by PTRL West, Inc. 87 p.

162-1 Aerobic soil metabolism

MRID	Citation Reference
41830	Rueppel, M.L.; Brightwell, B.B.; Marvel, J.T.; et al. (1972) Final Report On Mon-0573, Residue and Metabolism: Part 3: The Degradation and Metabolism of Mon-0573 in Soil: Agricultural Research Report No. 269. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL: 093846-D)
108184	Sprankle, P.; Penner, D.; Meggitt, W. (1973) Adsorption and Degradation of Glyphosate in the Soil. (Unpublished study received Nov 9, 1973 under 524-308; submitted by Monsanto Co., Washington, DC; CDL:120373-A)
41742901	Kesterson, A.; Atkins, R. (1991) Aerobic Metabolism ?carbon 14 Glyphosate in Sandy Loam and Silt Loam Soils with Biometer Flask Lab Project Number: 1301: 368. Unpublished study prepared by PTRL East, Inc. 111 p.
42372501	Honegger, J. (1992) Addendum to MSL-10578 Aerobic Metabolism of ?carbon 14 Glyphosate in Sandy Loam and Silt Loam Soils with Biometer Flask: Supplement to MRID 41742901: Unpublished study prepared by Monsanto Agricultural Comp. 10 p.
44125717	Mao, J. (1996) Glyphosate Acid--Determination of Soil Metabolism Under Aerobic Conditions: Final Report: Lab Project Number: 13582.0795.6100.760: 96-5-6508. Unpublished study prepared by Springborn Labs., Inc. 66 p.

MRID	Citation Reference
44320645	Esser, T. (1996) Glyphosate Acid: (P-Methylene-(carbon 14))Glyphosate Acid: Aerobic Soil Metabolism: Lab Project Number: 548W: RR 96-027B. Unpublished study prepared by PTRL West, Inc. 76 p.

162-3 Anaerobic aquatic metab.

MRID	Citation Reference
108187	Sutherland, M.; Banduhn, M.; Frazier, H. (1977) Environmental Impact Studies on N-Nitroso-n-phosphonomethylglycine: Report No. 467. Final rept. (Unpublished study received Sep 16, 1977; Sep 19, 1977 under 524-308; submitted by Monsanto Co., Washington, DC; CDL:231886-A)
108232	Banduhn, M.; Frazier, H. (1978) (Inert Ingredient) Surfactant: Biodegradation in Natural Waters: Report No. MSL-0488. (Unpublished study received Sep 13, 1979 under 524-308; submitted by Monsanto Co., Washington, DC; CDL:241017-A)
41723701	Kesterson, A.; Jackson, S. (1990) Anaerobic Aquatic Metabolism of ?Carbon 14 Glyphosate: Lab Project Number: 1304: 367. Unpublished study prepared by PTRL East, Inc. 78 p.
42372502	Honegger, J. (1992) Addendum to MSL-10577: Anaerobic Aquatic Metabolism of ?carbon 14 Glyphosate: Supplement to MRID 41723701: Unpublished study prepared by Monsanto Agricultural Comp. 19 p.
44125718	Mao, J. (1996) Glyphosate Acid--Determination of Aquatic Metabolism Under Anaerobic Conditions: Interim Report: Lab Project Number: 13582.0795.6101.755: 96-6-6536. Unpublished study prepared by Springborn Labs., Inc. 76 p.
44621801	Dix, M. (1998) Glyphosate Acid-Determination of Aquatic Metabolism under Anaerobic Conditions: Lab Project Number: 13582.0795.6101.755: 96-6-6536: 4.3.07. Unpublished study prepared by Springborn Laboratories, Inc. 87 p.

162-4 Aerobic aquatic metab.

MRID	Citation Reference
41723601	Kesterson, A.; Jackson, S. (1990) Aerobic Aquatic Metabolism of ?Carbon 14 Glyphosate: Lab Project Number: 1300: 366. Unpublished study prepared by PTRL East, Inc. 78 p.

MRID**Citation Reference**

study prepared by PTRL East, Inc. 60 p.

42372503 Honegger, J. (1992) Addendum to MSL-10576: Aerobic Aquatic Metabolism of ¹⁴C Glyphosate: Supplement to MRID 41723601: Unpublished study prepared by Monsanto Agricultural Comp. 6 p.

163-1 Leach/adsorp/desorption**MRID****Citation Reference**

27365	Sprankle, P.L. (1974) Factors Affecting the Herbicidal Activity of N-(Phosphonomethyl) Glycine (Glyphosate) on Quackgrass <i>Agropyron repens</i> (L.) Beauv. and in the Soil. Doctoral dissertation, Michigan State Univ., Dept. of Crop and Soil Sciences. (Unpublished study received Jul 12, 1974 under 5F1536; submitted by Monsanto Co., Washington, D.C.; CDL: 094179-A)
39938	Rueppel, M.L.; Brightwell, B.B.; Darlington, W.A. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 2: The Photolysis, Run-off, and Leaching of Mon-0573 on or in Soil: Agricultural Research Report No. 258. (Unpublished study received Jan 31, 1977 under 524-308; submitted by Monsanto Co., Washington, D.C.; CDL:095789-C)
39940	Rueppel, M.L.; Brightwell, B.B.; Henshall, A.; et al. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 4: The Rate of Dissipation of Mon-0573 in Soil: Agricultural Research Report No. 271. (Unpublished study received Jan 31, 1977 under 524-308; submitted by Monsanto Co., Washington, D.C.; CDL:095790-A)
39941	Henshall, A.; Brightwell, B.B.; Marvel, J.T. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 5: Soil Binding and Phytotoxicity of Mon-0573 and Its Metabolites on Soils: Agricultural Research Report No. 274. (Unpublished study received Jan 31, 1977 under 524-308; submitted by Monsanto Chemical Co., Washington, D.C.; CDL:095790-B)
41829	Rueppel, M.L.; Brightwell, B.B.; Darlington, W.A. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 2: The Photolysis, Run-Off, and Leaching of Mon-0573 on or in Soil: Agricultural Research Report No. 258. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL:093846-C)
41830	Rueppel, M.L.; Brightwell, B.B.; Marvel, J.T.; et al. (1972) Final Report

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- 44642 Rueppel, M.L.; Brightwell, B.B.; Marvel, J.T.; et al. (1972) Final Report on Mon-0573, Residue and Metabolism--Part 3: The Degradation and Metabolism of Mon-0573 in Soil: Agricultural Research Report No. 269. (Unpublished study received Jul 12, 1974 under 5F1536; submitted by Monsanto Co., Washington, D.C.; CDL: 094177-D)
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- 72806 Henshall, A.; Brightwell, B.B.; Marvel, J.T. (1972) Final Report on Mon-0573, Residue and Metabolism: Part 7: Run-Off of Mon-0573 From Inclined Soil Beds: Agricultural Research Report No. 275. (Unpublished study received on unknown date under 4G1444; submitted by Monsanto Co., Washington, D.C.; CDL:093846-H)
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MRID	Citation Reference
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108157	Monsanto Agricultural Products Co. (1974) Glyphosate Residues in Soil following Recirculating Sprayer Treatments with Glyphosate to Cotton and Soybeans. (Unpublished study received Jun 21, 1977 under 7F1971; CDL:096192-E)
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127712	Nomura, N. (1978) Adsorption and Mobility of VEL 5026-14C in Five Hawaiian Sugarcane Soils. (Unpublished study received Aug 21, 1978 under 876-EX-36; prepared by Hawaiian Sugar Planters' Assoc., submitted by Velsicol Chemical Corp., Chicago, IL; CDL: 234819-H)
134842	Nomura, N. (1978) Adsorption and Mobility of VEL 5026-14C in Five Hawaiian Sugarcane Soils. (Unpublished study received Jul 12, 1978 under 876-EX-35; prepared by Hawaiian Sugar Planters' Assoc., submitted by Vesicol Chemical, Corp., Chicago, IL; CDL: 234423-J)
44320646	Thomas, P.; Lane, M. (1996) Glyphosate Acid: Adsorption and Desorption Properties of Properties of (sic) in 5 Soils: Lab Project Number: 95JH222: RJ2152B. Unpublished study prepared by Zeneca Limited. 62 p.
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164-1 Terrestrial field dissipation

MRID	Citation Reference
27026	Schnappinger, M.G. (1978) ?Residue Report]: AG-A No. 4597 I-IV. (Unpublished study received Dec 10, 1979 under 100-583; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:241649-K)

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27030	Schnappinger, M.G. (1979) ?Residue Report : AG-A No. 6061 I-VII. (Unpublished study received Dec 10, 1979 under 100-583; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:241649-P)
30105	Kern, C.L.; Staniforth, D. (1978) ?Residue Report : AG-A No. 4780 I-II,III. (Unpublished study received Dec 10, 1979 under 100- 583; prepared in cooperation with Iowa State Univ., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:241649-L)
41096103	Mueth, M. (1978) Addendum to MSL-3210--Dissipation of Glyphosate in U.S. Field Soils Following Direct Application of Roundup Herbicide: Project No. MSL-8081; R.D. No. 924. Unpublished study prepared by Monsanto Agricultural Co. 308 p.
44125719	Hatfield, M. (1996) Field Soil Dissipation of Glyphosate Acid: Interim Report: Lab Project Number: AA950252: AA950252.CA: AA950252.NC. Unpublished study prepared by American Agricultural Services, Inc. and EN-CAS Analytical Labs. 575 p.
44320648	Grant, C.; Iwata, Y. (1996) Glyphosate Acid: Residue Levels in Soil After Applications to Turf and to Bare Soil for Trials Conducted in Mississippi During 1995-1996: (Interim Report): Lab Project Number: ZPMG-95-SD-01: RR 96-037B INT. Unpublished study prepared by Zeneca Ag Products. 259 p.
44320649	Grant, C.; Iwata, Y. (1996) Glyphosate Acid: Residue Levels in Soil After Applications to Turf and to Bare Soil for Trials Conducted in California During 1995-1996: (Interim Report): Lab Project Number: ZPMG-95-SD-01: 02-CA-95-161: 02-CA-95-166. Unpublished study prepared by Zeneca Ag Products. 256 p.
44320650	Szuter, S. (1996) Glyphosate Acid: Independent Laboratory Validation of the Method for Determining Residues of N-(phosphonomethyl)Glycine and (Aminomethyl)Phosphonic Acid in Soil: Lab Project Number: ZPMG-96-MT-01: RR 96-059B. Unpublished study prepared by McKenzie Laboratories, Inc. 67 p.
44422201	Hatfield, M. (1996) Field Soil Dissipation of Glyphosate Acid: Lab Project Number: AA950252: AA950252.CA: AA950252.NC. Unpublished study prepared by EN-CAS Analytical Laboratories and American Agricultural Services, Inc. 650 p.

164-2 Aquatic field dissipation

MRID	Citation Reference
108173	Monsanto Co. (1978) Residue Studies for Use of Roundup Herbicide in Aquatic Situations. (Compilation; unpublished study received Dec 27, 1978 under 524-308; CDL:097760-A; 097761; 097762)
108232	Banduhn, M.; Frazier, H. (1978) (Inert Ingredient) Surfactant: Biodegradation in Natural Waters: Report No. MSL-0488. (Unpublished study received Sep 13, 1979 under 524-308; submitted by Monsanto Co., Washington, DC; CDL:241017-A)
40881601	Horner, L.; Kunstman, J. (1988) Aquatic Dissipation of Glyphosate and Ampa in Water and Soil Sediment Following Application of Glyphosate in Irrigated Crop and Forestry Uses: Project No. MSL-8332; R.D. No. 898. Unpublished study prepared by Monsanto Agricultural Co. 375 p.
42383201	Goure, W. (1992) Aquatic Dissipation of Glyphosate and AMPA in Water and Soil Sediment Following Application of Glyphosate in Irrigated Crop and Forestry Uses: Addendum to MSL-8332/Supplement to RD 898. Unpublished study prepared by Monsanto Ag. Co. 36 p.

164-3 Forest field dissipation

MRID	Citation Reference
41552801	Honer, L. (1990) Dissipation of Glyphosate and Aminomethylphosphonic Acid in Forestry Sites: Lab Project Number: MSL-9940; 993. Unpublished study prepared by Monsanto Agricultural Co. 555 p.

Glyphosate – Isopropyl amine salt (PC Code 103601)

No fate or ecotox studies for this salt.

Glyphosate – Monoammonium salt (PC Code 103604)

71-1 Avian Single Dose Oral Toxicity

MRID	Citation Reference
45777402	Gallagher, S.; Grimes, J.; Beavers, J. (1999) MON 14420: An Acute Oral Toxicity Study with the Northern Bobwhite: Lab Project Number: 139-439: WL-98-274: R.D. 1594. Unpublished study prepared by Wildlife International Ltd. 44 p.

72-1 Acute Toxicity to Freshwater Fish

MRID	Citation Reference
44715409	Drottar, K.; Krueger, H. (1998) MON 77945: A 96-Hour Static Acute Toxicity Test With the Rainbow Trout (<i>Oncorhynchus mykiss</i>): Final Report: Lab Project Number: 139A-222: WL-98-087. Unpublished study prepared by Wildlife International Ltd. 42 p.
45767101	Jenkins, C. (2002) MON 78568 Acute Toxicity to Fish: Lab Project Number: HR-2001-131: RD 1591: EVA013/014241. Unpublished study prepared by Huntingdon Life Sciences Ltd. 37 p. {OPPTS 850.1075}

72-2 Acute Toxicity to Freshwater Invertebrates

MRID	Citation Reference
44715410	Drottar, K.; Krueger, H. (1998) MON 77945: A 48-Hour Static Acute Toxicity Test With the Cladoceran (<i>Daphnia magna</i>): Final Report: Lab Project Number: 139A-221: WL-98-086. Unpublished study prepared by Wildlife International Ltd. 42 p.
45777401	Palmer, S.; Krueger, H. (1999) MON 14420: A 48-Hour Static Acute Toxicity Test with the Cladoceran (<i>Daphnia magna</i>): Final Report: Lab Project Number: R.D. 1594: 139A-229: WL-98-273. Unpublished study prepared by Wildlife International Ltd. 45 p.

81-1 Acute oral toxicity in rats

MRID	Citation Reference
43049302	Bonnette, K. (1993) Acute Oral Toxicity Study in Rats with MON 60696 Herbicide: Final Report: Lab Project Number: 3044/437: SB/93/131: 1195. Unpublished study prepared by Springborn Labs., Inc. 21 p.
44615502	Bonnette, K. (1998) An Acute Oral Toxicity Study in Rats with MON 77063: Final Report: Lab Project Number: 3044.677: SB-98-023: R.D. NO.1424. Unpublished study prepared by Springborn Laboratories, Inc. 59 p.
44715402	Blaszczak, D. (1998) MON 77945: Acute Oral Toxicity in Rats: Lab Project Number: 97-1725: HU-97-239. Unpublished study prepared by Huntingdon Life Sciences. 22 p.
45044402	Mallory, V. (2000) Acute Oral Exposure Toxicity Study in Rats (Phoss-8): Final Report: Lab Project Number: 0402XC01.001. Unpublished study prepared by Preclinical Services Corp. 24 p.
45386802	Moore, G. (2000) Acute Oral Toxicity Study in Rats--Limit Test: Nufarm RUP0532 Herbicide: Lab Project Number: 9727: P320. Unpublished study prepared by Product Safety Labs. 14 p. {OPPTS 870.1100}
45434302	Bonnette, K. (2001) An Acute Oral Toxicity Study in Rats with MON 78365: Final Report: Lab Project Number: 3044.816: SB-2000-265. Unpublished study prepared by Springborn Laboratories, Inc. 79 p.
45615104	Merkel, D. (2002) Acute Oral Toxicity Study in Rat--Limit Test: Dual Salt Fully Loaded: Lab Project Number: 11393. Unpublished study prepared by Product Safety Labs. 14 p. {OPPTS 870.1100}

122-2 Aquatic plant growth

MRID	Citation Reference
45767102	Jenkins, C. (2002) MON 78568 Algal Growth Inhibition Assay: Lab Project Number: HR-2001-132: RD 1591: EVA014/014242. Unpublished study prepared by Huntingdon Life Sciences Ltd. 35 p. {OPPTS 850.5400}
45777403	Palmer, S.; Krueger, H. (1999) MON 14420: A 96-Hour Toxicity Test with the Freshwater Alga (<i>Selenastrum capricornutum</i>): Final Report: Lab Project Number: 139A-231: WL-98-275: R.D. 1594. Unpublished study prepared by Wildlife International Ltd. 55 p. {OPPTS 850.5400}

141-1 Honey bee acute contact

MRID	Citation Reference
45767104	Schmitzer, S. (2001) Laboratory Testing for Toxicity (Acute Contact and Oral) of MON 78568 on Honey Bees (<i>Apis mellifera</i> L.): Lab Project Number: IO-2001-134: RD 1591: 11981036. Unpublished study prepared by Institut fur Biologische Analytik. 27 p. {OPPTS 850.3020 & 850.3030}

141-2 Honey bee residue on foliage

MRID	Citation Reference
45767104	Schmitzer, S. (2001) Laboratory Testing for Toxicity (Acute Contact and Oral) of MON 78568 on Honey Bees (<i>Apis mellifera</i> L.): Lab Project Number: IO-2001-134: RD 1591: 11981036. Unpublished study prepared by Institut fur Biologische Analytik. 27 p. {OPPTS 850.3020 & 850.3030}

143-1 Toxicity to Predator and Parasite Insects

MRID	Citation Reference
45767105	Taruza, S. (2002) A Rate-Response Laboratory Test to Determine the Effects of MON 78568 (64.9% w/w Glyphosate Acid Equivalents) on the Predatory Mite <i>Typhlodromus pyri</i> (Acari, Phytoseiidae): Lab Project Number: MT-2001-135: RD 1591: MON-01-13. Unpublished study prepared by Mambo-Tox Ltd. 28 p.
45767106	Taruza, S. (2002) An Extended Laboratory Test to Determine the Effects of MON 78568 (64.9% w/w Glyphosate Acid Equivalents) on the Predatory Mite <i>Typhlodromus pyri</i> : Lab Project Number: MT-2001-184: RD 1591: MON-01-15. Unpublished study prepared by Mambo-Tox Ltd. 26 p.
45767107	Vinall, S. (2002) A Rate-Response Laboratory Test to Determine the Effects of MON 78568 (64.9% w/w Glyphosate Acid Equivalents) on the Parasitoid <i>Aphidius rhopalosiphii</i> : Lab Project Number: MT-2001-136: RD 1591. Unpublished study prepared by Mambo-Tox Ltd. 27 p.
45767108	Vinall, S. (2002) An Extended Laboratory Test to Determine the Effects

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of MON 78568 (64.9% w/w Glyphosate Acid Equivalents) on the Parasitoid, *Aphidius rhopalosiphii*: Lab Project Number: MT-2001-185: RD 1591: MON-01-14. Unpublished study prepared by Mambo-Tox Ltd. 25 p.

45767110 Manley, B. (2002) A Laboratory Test to Determine the Effects of MON 78568 (64.9% w/w Glyphosate Acid Equivalents) on the Lacewing, *Chrysoperla carnea*: Lab Project Number: MT-2001-186: RD 1591: MON-01-16. Unpublished study prepared by Mambo-Tox Ltd. 29 p.

161-1 Hydrolysis**MRID****Citation Reference**

44715408 Hathcock, T. (1998) Hydrolysis of an Amine Salt of (carbon 14) Glyphosate at pH 5, 7, and 9: Lab Project Number: 756W-1: 756W. Unpublished study prepared by PTRL West, Inc. 102 p.

Glyphosate – Diammonium salt (PC Code 103607)

No fate or ecotox studies for this salt.

Glyphosate – N-methylmethanamine salt (PC Code 103608)**870.1100 Acute oral toxicity****MRID****Citation Reference**

46730705 Durando, J. (2005) Acute Oral Toxicity Up and Down Procedure in Rats: GF-1667. Project Number: 050307, 17457, P320/UDP/DOW. Unpublished study prepared by Product Safety Laboratories. 28 p.

Glyphosate – Potassium salt (PC Code 103613)

72-1 Acute Toxicity to Freshwater Fish

MRID	Citation Reference
45780201	Jenkins, C. (2002) MON 78273: Acute Toxicity to Fish: Lab Project Number: HR-2002-015: RD 1595: EVA017/023143. Unpublished study prepared by Monsanto Company and Huntingdon Life Sciences Ltd. 36 p. {OPPTS 850.1075}

81-1 Acute oral toxicity in rats

MRID	Citation Reference
45381102	Bonnette, K. (2001) An Acute Oral Toxicity Study in Rats with MON 78623: Final Report: Lab Project Number: 3044. 810: SB-2000-245: 1533. Unpublished study prepared by Springborn Labs., Inc. 22 p.
45496601	Bonnette, K. (2001) An Acute Oral Toxicity Study in Rats with MON 78271: Final Report: Lab Project Number: SB-2001-050: 3044.841: 1554. Unpublished study prepared by Springborn Laboratories, Inc. 23 p.
45501102	Bonnette, K. (2001) An Acute Oral Toxicity Study in Rats with MON 78460: Final Report: Lab Project Number: 3044.846: SB-2001-055: 1555. Unpublished study prepared by Springborn Laboratories, Inc. 51 p.
45504802	Bonnette, K. (2001) An Acute Oral Toxicity Study in Rats with MON 78270: Final Report: Lab Project Number: 3044.835: SB-2001-045: 1550. Unpublished study prepared by Springborn Laboratories, Inc. 26 p.
45705302	Bonnette, K. (2002) An Acute Oral Toxicity Study in Rats with MON 78481: Amended Final Report: Lab Project Number: 3044.879: SB-2001-193. Unpublished study prepared by Springborn Laboratories, Inc. 24 p.

122-2 Aquatic plant growth

MRID	Citation Reference
45780202	Jenkins, C. (2002) MON 78273: Algal Growth Inhibition: Lab Project Number: HR-2002-016: RD 1595: EVA018/023144. Unpublished study prepared by Monsanto Company and Huntingdon Life Sciences Ltd. 35 p. {OPPTS 850.5400}

141-1 Honey bee acute contact

MRID	Citation Reference
45780204	Halsall, N. (2002) Laboratory Bioassays to Determine Acute Oral and Contact Toxicity of MON 78273 (40% Glyphosate Acid Equivalents) to the Honeybee, <i>Apis mellifera</i> : Lab Project Number: MT-2002-018: RD 1595: MON-02-3. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 32 p. {OPPTS 850.3020, 850.3030}

143-1 Toxicity to Predator and Parasite Insects

MRID	Citation Reference
45732901	Taruza, S. (2002) A Rate-Response Laboratory Test to Determine the Effects of MON 7823 on the Predatory Mite <i>Typhlodromus pyri</i> : Lab Project Number: MT-2002-019: MON-02-01. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 27 p.
45732902	Vinall, S. (2002) A Rate-Response Laboratory Test to Determine the Effects of MON 78273 on the Parasitic Wasp <i>Aphidius rhopalosiphi</i> : Lab Project Number: MT-2002-020: MON-02-2. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 28 p. {OPPTS 850}
45732904	Vinall, S. (2002) An Extended Laboratory Test to Determine the Effects of MON 78273 on the Parasitoid <i>Aphidius rhopalosiphi</i> : Lab Project Number: MT-2002-039: MON-02-4. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 25 p.

143-3

MRID	Citation Reference
45780205	Manley, B. (2002) A Laboratory Test to Determine the Effects of MON 78273 (49% w/w Potassium Salt of Glyphosate) on the Lacewing, <i>Chrysoperla carnea</i> : Lab Project Number: MT-2002-040: RD 1595: MON-02-6. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 26 p.
45780206	Taruza, S. (2002) An Extended Laboratory Test to Determine the Effects of MON 78273 (49% w/w Potassium Salt of Glyphosate) on the Predatory Mite, <i>Typhlodromus pyri</i> (Acari, Phytoseiidae): Lab Project Number: MT-2002-005: RD 1595: MON-02-5. Unpublished study prepared by Monsanto Company and Mambo-Tox Ltd. 24 p.

870.1100 Acute oral toxicity

MRID	Citation Reference
46724204	Durando, J. (2005) Acute Oral Toxicity Up and Down Procedure in Rats: NUP 10B 04. Project Number: 17868, P320/UDP. Unpublished study prepared by Product Safety Laboratories. 15 p.
47298403	Lowe, C. (2007) Acute Oral Toxicity Up and Down Procedure in Rats: NUP-07010. Project Number: P320/UDP, 22437, 070608/12H. Unpublished study prepared by Product Safety Laboratories. 17 p.

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43839601 Bidwell, J.; Gorrie, J. (1995) Acute Toxicity of a Herbicide (Roundup) to Selected Frog Species: Final Report. Unpublished study prepared by Curtin University of Technology. 13 p.

46650501 Howe, C.; Berrill, M.; Pauli, B.; et. al. (2004) Toxicity of Glyphosate-Based Pesticides to Four North American Frog Species. *Environmental Toxicology and Chemistry* 23(8): 1928-1938.

46873601 Sutherland, C.; Kendall, T.; Kruegar, H. (2006) Glyphosate-Cosmo-Flux-Coca Mix: A 96-Hour Static-Renewal Acute Toxicity Test with the African Clawed-Frog Tadpole (*Xenopus laevis*): Final Report. Project Number: 628A/101. Unpublished study prepared by Wildlife International, Ltd. 42 p.

46873602 Sutherland, C.; Kendall, T.; Krueger, H. (2006) Glyphosate-Cosmo-Flux-Poppy Mix: A 96-Hour Static-Renewal Acute Toxicity Test with the African Clawed-Frog Tadpole (*Xenopus laevis*): Final Report. Project Number: 628A/102. Unpublished study prepared by Wildlife International, Ltd. 42 p.

44738201 Edwards, S. (1998) Aquatic Toxicity Testing of Glyphosate Formulations Containing Rhone-Poulenc Surfactant (Inert Ingredients). Unpublished study prepared by Rhone-Poulenc Chemicals. 20 p.

46641301 Howe, C.; Berrill, M.; Pauli, B. (2001) The Acute and Chronic Toxicity of Glyphosate-Based Pesticides in Northern Leopard Frogs. Baltimore: SETAC. 7p.

46641302 Fridgen, T.; Berrill, M.; Pauli, B. (2005) The Forms and Stages of Intersex Observed in Leopard Frogs, *Rana pipiens*, Exposed to Roundup and Surfactant (Inert Ingredient). Trent University: http://www.trent.ca/biology/berrill/developmental_abnormalities/Roundup-Histology.htm. 4p.