

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

Glyphosate

CASRN: 1071836

Parameter 1: ORGANIC

Parameter 2: Pesticides

Parameter 3: Organophosphorus compounds

Water Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download
Factsheet](#)

Freshwater

Short Term Concentration (µg/L)	27,000
value calculated from LC ₅₀ data using the SSD approach.	

Long Term Concentration (µg/L)	800
value calculated from no and low-effect data using the SSD approach.	

Date	2012
------	------

Note: Some glyphosate formulations, including Roundup, currently contain a surfactant that may be considerably more toxic than glyphosate itself. This should be taken into consideration in any spill of this substance directly to surface water and in the evaluation of monitoring data.

Marine

Short Term Concentration (µg/L)	NRG
NRG = no recommended guideline.	

Long Term Concentration (µg/L)	NRG
NRG= no recommended guideline.	

Date	2012
------	------

Note: Some glyphosate formulations, including Roundup, currently contain a surfactant that may be considerably more toxic than glyphosate itself. This should be taken into consideration in any spill of this substance directly to surface water and in the evaluation of monitoring data.

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	No data
Date	No data

Livestock

Concentration (µg/L)	280
No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).	
Date	1989

Sediment Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/kg dry weight) - ISQG	No data
Concentration (µg/kg dry weight) - PEL	No data
Date	No data

Marine

Concentration (µg/kg dry weight) - ISQG	No data
Concentration (µg/kg dry weight) - PEL	No data
Date	No data

Soil Quality for the Protection of Environmental and Human Health

Concentration (mg/kg dry weight) - Agricultural	No data
Concentration (mg/kg dry weight) - Residential / parkland	No data
Concentration (mg/kg dry weight) - Commercial	No data
Concentration (mg/kg dry weight) - Industrial	No data
Date	No data

Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota

Concentration (µg/kg diet wet weight)	No data
Date	No data