

# Supplementary Materials: Toxicity of Difenoconazole and Atrazine and Their Photodegradation Products on Aquatic Biota: Environmental Implications in Countries Lacking Good Agricultural Practices

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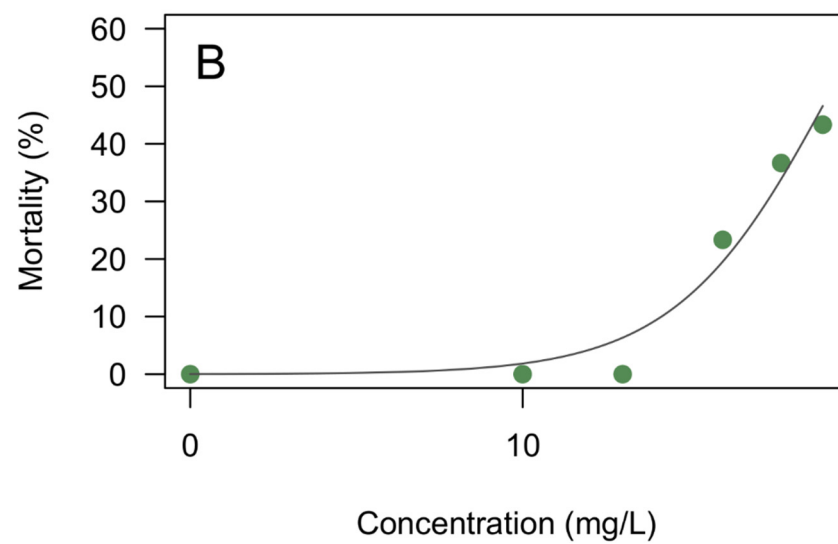
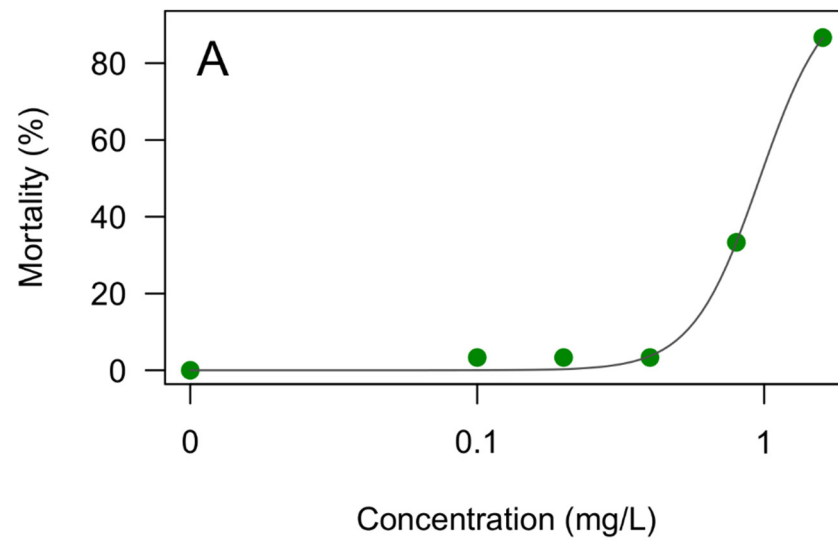
**Table S1.** Formulation for Lemna minor nutrient solution according to Standard Methods 8211 [11]. A, B, and C refers to the stock solution to be prepared.

Solution	Stock Solution Concentration
<b>A:</b>	
NaNO <sub>3</sub>	25.5 g/L
NaHCO <sub>3</sub>	15.0 g/L
K <sub>2</sub> HPO <sub>4</sub>	1.04 g/L
<b>B:</b>	
CaCl <sub>2</sub> · 2H <sub>2</sub> O	4.41 g/L
MgCl <sub>2</sub>	5.7 g/L
FeCl <sub>3</sub>	0.096 g/L
Na <sub>2</sub> EDTA · 2H <sub>2</sub> O	0.3 g/L
MnCl <sub>2</sub>	0.264 g/L
<b>C:</b>	
MgSO <sub>4</sub> · 7H <sub>2</sub> O	14.7 g/L
H <sub>3</sub> BO <sub>3</sub>	0.186 g/L
Na <sub>2</sub> MoO <sub>4</sub> · 2H <sub>2</sub> O	7.26 mg/L
ZnCl <sub>2</sub>	3.27 mg/L
CoCl <sub>2</sub>	0.78 mg/L
CuCl <sub>2</sub>	0.009 mg/L

To prepare this nutrient solution, add 1mL of each stock solution to 100 mL deionized water. Adjust to pH 7.5 – 8.0.

**Table S2.** Formulation for preparing reconstituted freshwater for Daphnia magna according to Standard Methods 8010:I [11].

Water Type	Salts Required in mg/L				Water quality		
	NaHCO <sub>3</sub>	CaSO <sub>4</sub> · 2H <sub>2</sub> O	MgSO <sub>4</sub>	KCl	pH	Hardness mg CaCO <sub>3</sub> /L	Alkalinity mg CaCO <sub>3</sub> /L
Very soft	12	7.5	7.5	0.5	6.4 - 6.8	10-13	10-13
Soft	48	30	30	2.0	7.2 - 7.6	40-48	30-35
Moderately hard	96	60	60	4.0	7.4 - 7.8	80-100	60-70
Hard	192	120	120	8.0	7.6 - 8.0	160-180	110-120
Very hard	384	240	240	16.0	8.0 - 8.4	280-320	225-245



**Figure S1.** Dose-response relationships between the percentage of mortality of *Daphnia magna* neonates and the concentration of difenoconazole (A) and atrazine (B).