

## Data from Chemical Pollution Experiment

Potential Pollutants: Both pesticides used on neighboring farms since 1990.

- atrazine
- carbaryl

### Experiment 1:

- frogs raised throughout life cycle either with atrazine (30 µg/L) in the water or without
- 3 replicates per treatment/ 10 tadpoles -> frogs per replicate

Treatment	% of frogs with deformities
With Atrazine	0
With Atrazine	0
With Atrazine	0
Without Atrazine	0
Without Atrazine	0
Without Atrazine	0

Data from figure 1 in: Kiesecker JM. 2002. Synergism between trematode infection and pesticide exposure: A link to amphibian limb deformities in nature? Proc. Nat. Acad. Sci. 99(15): 9900-9904.

### Experiment 2:

- frogs reared in varying levels of carbaryl throughout life cycle

- 10 replicates per treatment

Treatment	% of frogs with deformities
control (no carbaryl)	0
solvent control	10
160 µg/L carbaryl	70
400 µg/L carbaryl	100
1000 µg/L carbaryl	100

Data from figure 2 in: Bridges CM. 2000. Long-term effects of pesticide exposure at various life stages of the Southern Leopard Frog (*Rana sphenoccephala*). Arch. Environ. Contam. Toxicol. 39: 91-96.

Direct Observation:

Chemical analysis of the water your pond.

- Atrazine 10 µg/L
- Carbaryl not detected