

# The Impact of Atrazine Use on Hormones



**Environmental exposure to endocrine disrupting pesticides contributes to the decline of human fertility and hormone function.**

**Atrazine is the second most sprayed herbicide in the country, and is found in our tapwater.**

## Research:



Atrazine exposure, beginning in utero, causes a shortening of penis structure and mislocation of the urethra on the penis. (human & mice studies)



Atrazine delays puberty and alters the development of the reproductive tract.



Atrazine compromises normal testicular differentiation during critical male programming window.



Atrazine exerts estrogenic and/or anti-androgenic activity and causes congenital disabilities in the following generations.



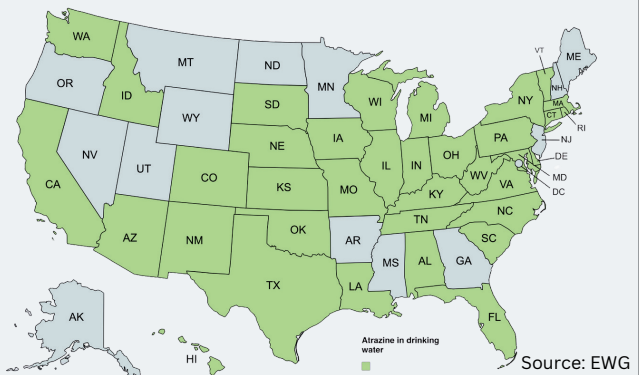
Atrazine induces complete feminization and chemical castration. (amphibian study)

**TO DO**

**Immediately ban the use of atrazine in the United States.**

**Atrazine was banned in Europe due to its endocrine disrupting activity** !

## Atrazine in Drinking Water



## Amphibian Study

*Atrazine-exposed males suffered from depressed testosterone, decreased breeding gland size, demasculinized/feminized laryngeal development, suppressed mating behavior, reduced spermatogenesis, and decreased fertility.*

Hayes, et al.



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