

Pollinator Decline

Pesticides weaken the immune systems of honeybees and other pollinators, rendering them susceptible to colony-destroying diseases.

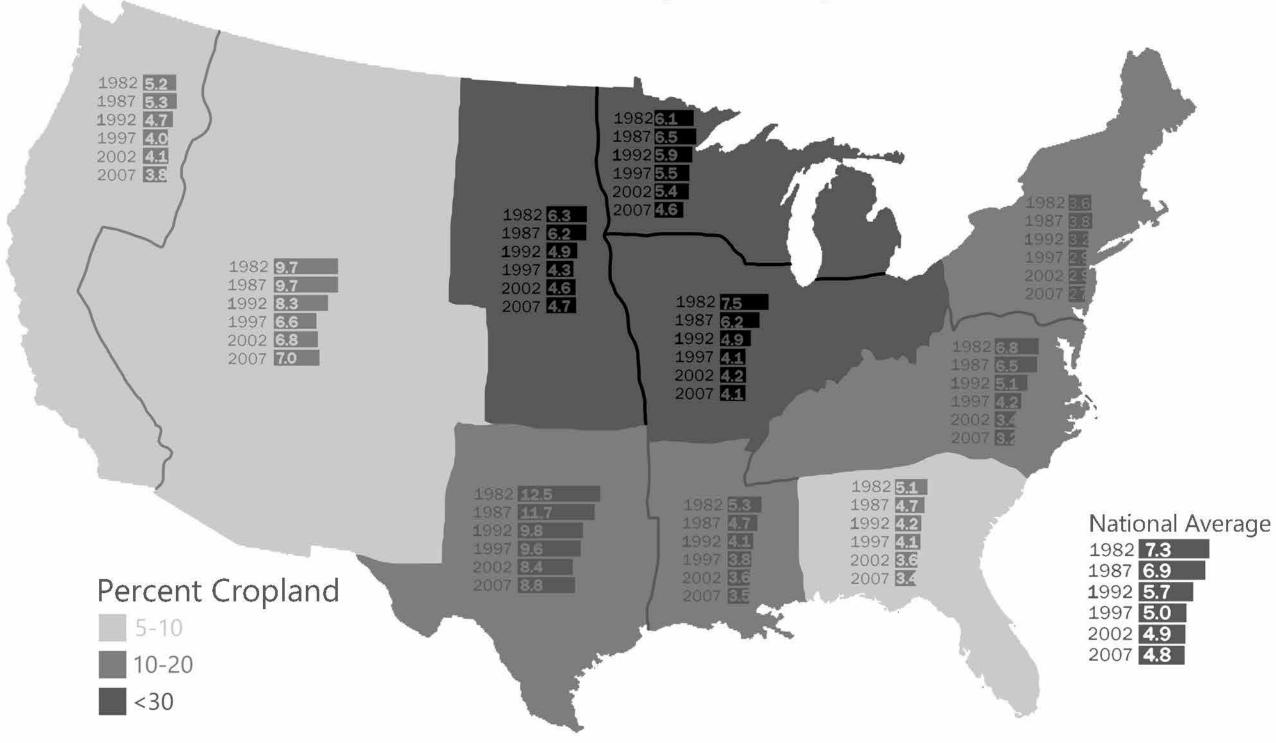


One Week

It only takes three weeks for American Foulbrood disease to decimate a beehive.



Soil Erosion in Tons per Acre per Year



Erosion exacerbated by pesticides and unsustainable farming practices causes degradation in soil quality. Eventually, this leads to desertification and the inability of the land to continue sustaining crops, livestock, and people. Recent reductions in pesticide use have resulted in lowered rates of erosion. This is a good step, but also makes the correlation clear.

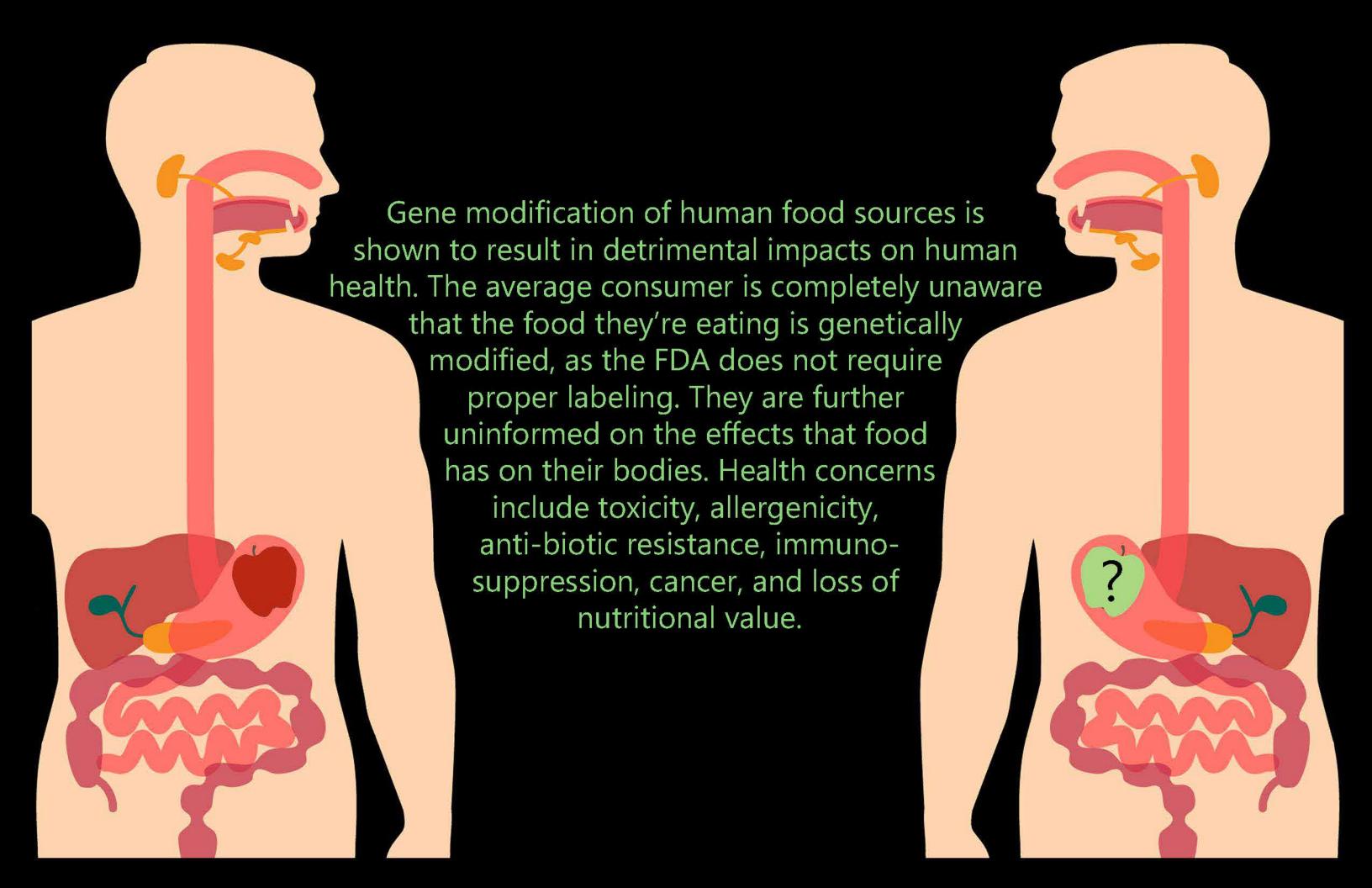
Erosion and Desertification

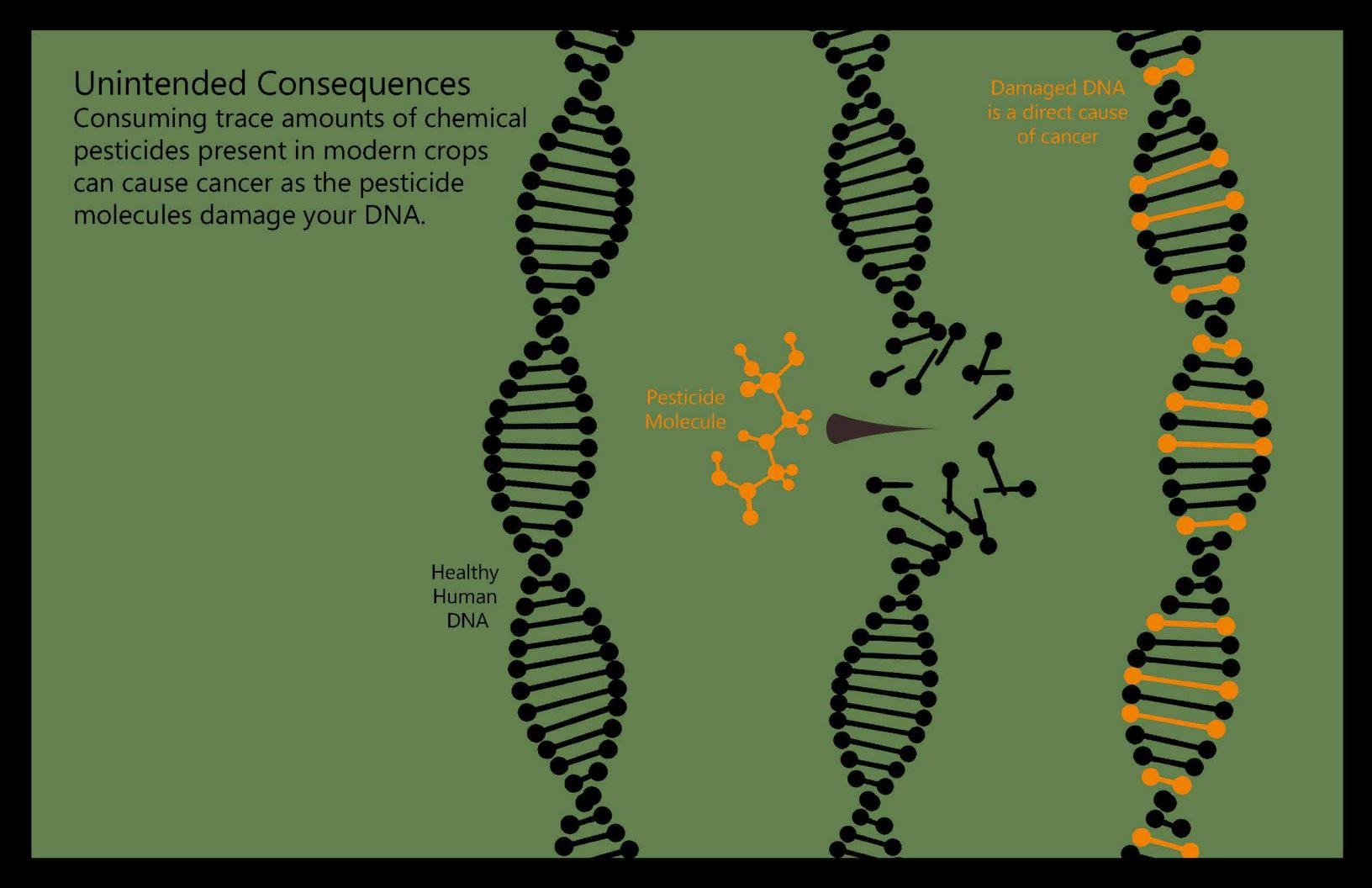
Over time, pesticides in conjunction with unsustainable farming practices can degrade soil and result in destruction of the land.





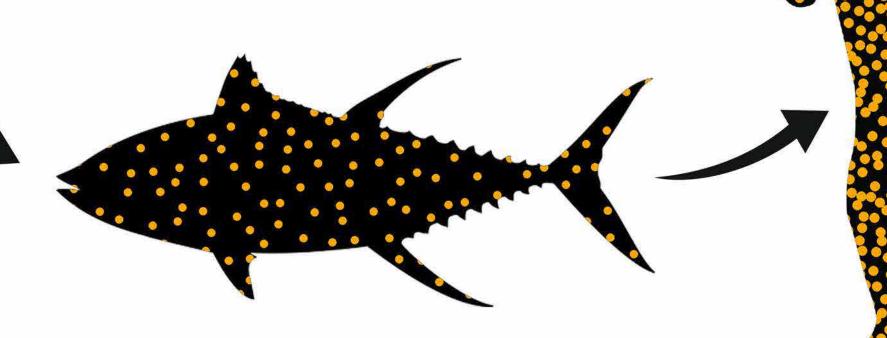








A phenomenon through which materials and compounds present in the environment migrate up the food chain, increasing in density at each level. Harmful chemicals inadvertently consumed by small organisms become present in higher concentrations in the bodies of organisms that rely on those animals as food sources. As humans sit at the top of the food chain, we are susceptible to poisoning from eating organisms that have a high concentration of pesticides and other pollutants in their bodies due to overuse in farming and industry.



Deadly Ends

Given the wide range of problematic side effects associated with GMOs and modern farming practices, it is clear that industry-wide reform is necessary. These reforms are needed not only in the philosophy and practice of how we grow food for such a massive population as we have in modern times; but also politically, in how we regulate and enforce sustainable practices. Without these, the only alternative can be a bleak future as the land degrades beyond the point of recovery, and we are unable to support the growing world population. The inevitable result of continuing on our current path is massive loss of human life as we surpass the carrying capacity of the environment.



