

Why Pesticides Matter



Pesticides help farmers produce abundant, safe, quality foods at affordable prices.

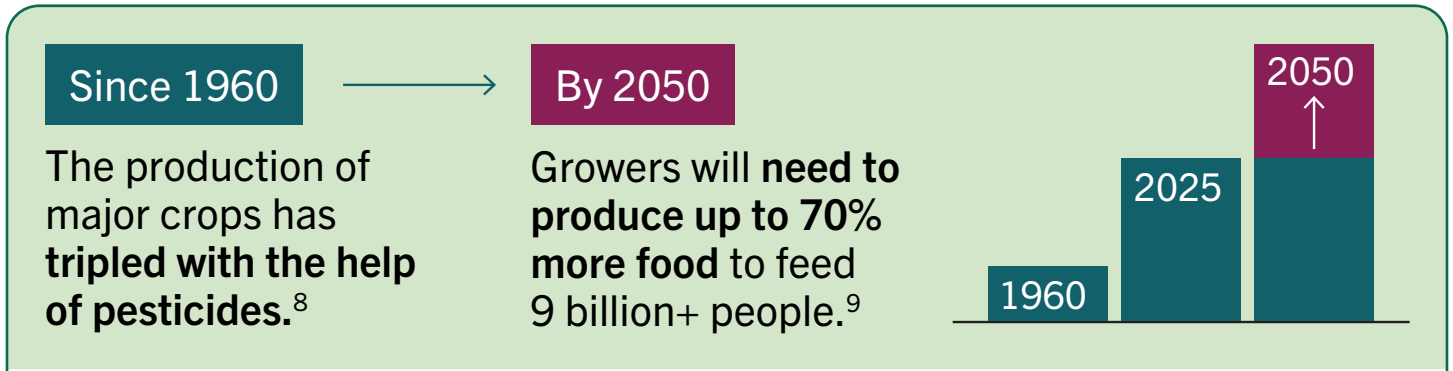
Globally, crops must compete in fields with the following damaging pests:



In storage, insects, mold, and rodents can also cause damage.   

26-40% of the world's potential crop production is lost annually to pests and diseases.^{4,5} → Up to **75%** of fruits and vegetables could be lost **without the use of pesticides!**⁶

 The U.S. food and agriculture sector directly supports **24 million U.S. jobs**, including millions of manufacturing jobs. Overall, agriculture is responsible for **\$9.5 trillion in American economic activity.**⁷



Pesticides:

- ✓ Help farmers grow more food on less land and raise productivity per acre.¹⁰
- ✓ Decrease harmful micro-organisms and naturally occurring toxins on crops, preventing food-related illnesses.¹⁰

Why Pesticides Matter



Pesticides help farmers produce abundant, safe, quality foods at affordable prices.

References:

1. <https://wssa.net/weed/composite-list-of-weeds/>
2. <https://ohioline.osu.edu/factsheet/plpath-gen-7>
3. https://www.researchgate.net/publication/329767173_Network_analysis_for_co-occurrence_of_pest_insects_on_host_crops
4. https://www.oecd.org/content/dam/oecd/en/publications/reports/2012/07/oecd-fao-agricultural-outlook-2012_g1g1b8f2/agr_outlook-2012-en.pdf
5. <https://www.fao.org/pest-and-pesticide-management/about/understanding-the-context/en/>
6. <https://pmc.ncbi.nlm.nih.gov/articles/PMC7908628/>
7. <https://feedingtheeconomy.com/>
8. <https://croplife.org/wp-content/uploads/2018/11/Phillips-McDougall-Evolution-of-the-Crop-Protection-Industry-since-1960-FINAL.pdf>
9. <https://www.fao.org/4/k6021e/k6021e.pdf>
10. <https://www.sciencedirect.com/science/article/abs/pii/S026121940700097X>

