

Keeping Our Food Safe, Nutritious and More Affordable

The world is projected to add two billion more people in the next 25 or so years, meaning we will need to grow a lot more food on the same amount of land. But thanks to a changing climate, extreme weather and new, rising weed and pest pressures are making food harder to grow.

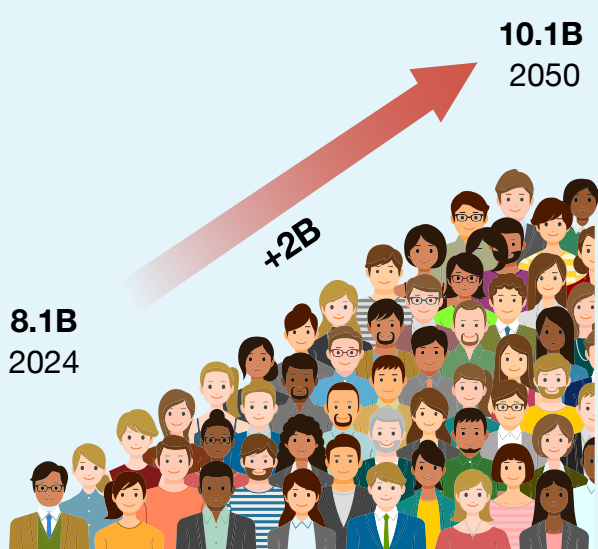
Luckily, there is an answer: innovation. Technology that exists today can help farmers safely produce more food, more sustainably – and help keep prices lower. Herbicides, which help fight pernicious weeds, are an important part of this equation.



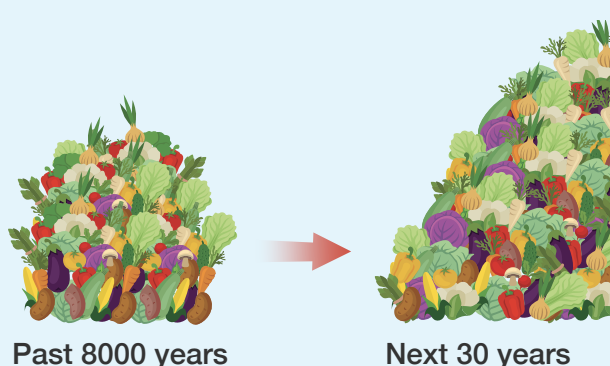
Farmers Need Help



The world is expected to grow by 2 billion people by 2050.¹



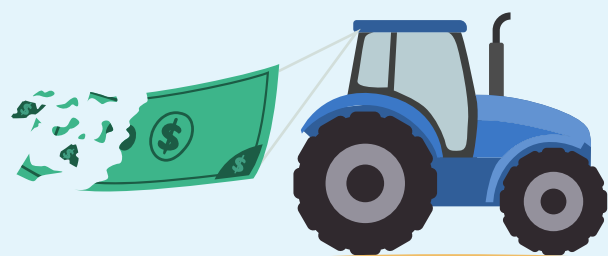
That's 37 million more mouths to feed in the U.S. and 1.8 billion more globally.¹



To do this, the global agriculture industry must produce more food over the next three decades than was produced in the past 8,000 years.¹



Pressures from plant diseases, weeds, insects and other pests are on the rise, thanks to extreme weather, such as droughts and floods, and warmer weather year round.²



In fact, up to 40% of global crop production is lost to pests annually. Weeds are also a major constraint on global food production.³



The United Nations' Food and Agriculture Organization (FAO) has said that more than 800 million people face hunger today, and nearly 2.3 billion are food insecure. As the world adds more people, this number could rise.⁴

Weeds Are a Major Challenge

Weeds can devastate crops by competing for water, nutrients, sunlight and space.

Herbicides control weeds so crops like corn and wheat can grow unhindered.

Without herbicides, the amount and quality of food could decrease and as a result, food prices could increase. Organic farming is an alternative for many, but yields on organic farms are nearly 20% less than on conventional farms, and organic food is often expensive, putting it out of reach for many.⁵



Herbicides are an Important Part of the Solution

Today's modern herbicides control damaging weeds.

These products also make it possible for farmers to use techniques and practices that make agriculture more sustainable – such as no-till farming and the planting of cover crops which help sequester carbon.

Safe, effective herbicides help farmers more efficiently use resources including land, water and the energy needed to grow food, so farmers can produce more per acre, feed more people – and do it more affordably and sustainably.



Want to learn more? www.corteva.com

SOURCE

¹ Bank of America Global Research, US Congressional Budget Office (CBO) 2023 population projections, United Nations Department of Economic and Social Affairs 2022 World Population Prospects | ² USDA Climate Change Impacts in the USA, Chapter 6 | ³ Food and Agriculture Organization of the United Nations: Plant Production and Protection Division. | ⁴ Food and Agriculture Organization of the United Nations (FAO). (2022). The State of Food Security and Nutrition in the World 2022. | ⁵ Vera Ysabel V. de la Cruz, Tantriani, Weiguo Cheng, Keitaro Tawaraya: Yield gap between organic and conventional farming systems across climate types and sub-types: A meta-analysis, Agricultural Systems, Volume 211, 2023