

Feeding a Growing Population in a Changing Climate

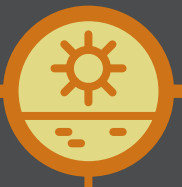
Climate Change: What & How?

Climate change is caused by high levels of **greenhouse gases** accumulating in the atmosphere.

Climate Change refers to significant, long-lasting changes in temperature, precipitation, wind patterns and other measures of climate.

Greenhouse Gases, like carbon dioxide, methane and nitrous oxide, are emitted, in part, through human activities, like burning fossil fuels. They trap the Sun's heat on Earth.

Potential Impacts of Climate Change



DROUGHT



SEVERE WEATHER



RISING SEA LEVELS



PEST INFESTATIONS



COMPROMISED HARVESTS



FLOODING

How We Grow Our Food Helps Tip the Scale: Carbon Neutral Crops

Great strides have been made to reduce the intensity of agriculture's carbon footprint. Still, agriculture accounts for approximately 13 percent of global greenhouse gas emissions. To sustainably feed 9.6 billion people by 2050 while reducing emissions, we must work collectively to do even more.

That's where carbon neutral crop production comes in. With the right products and practices, some crop production systems have the potential to absorb and store as much or more greenhouse gases than are emitted from the practices used to produce them. It means that farmers have been and will continue to be a positive force in the fight against climate change.

Carbon Neutral Crop Production



**The dynamic duo of carbon neutral crop production:
Plants absorb carbon and soil stores it.**