

Temperate cropland



RAPSEED FIELD NEAR BAVENHAUSEN, GERMANY
BY DANIEL SCHWEN. [PUBLIC DOMAIN], VIA WIKIMEDIA COMMONS

Vegetation

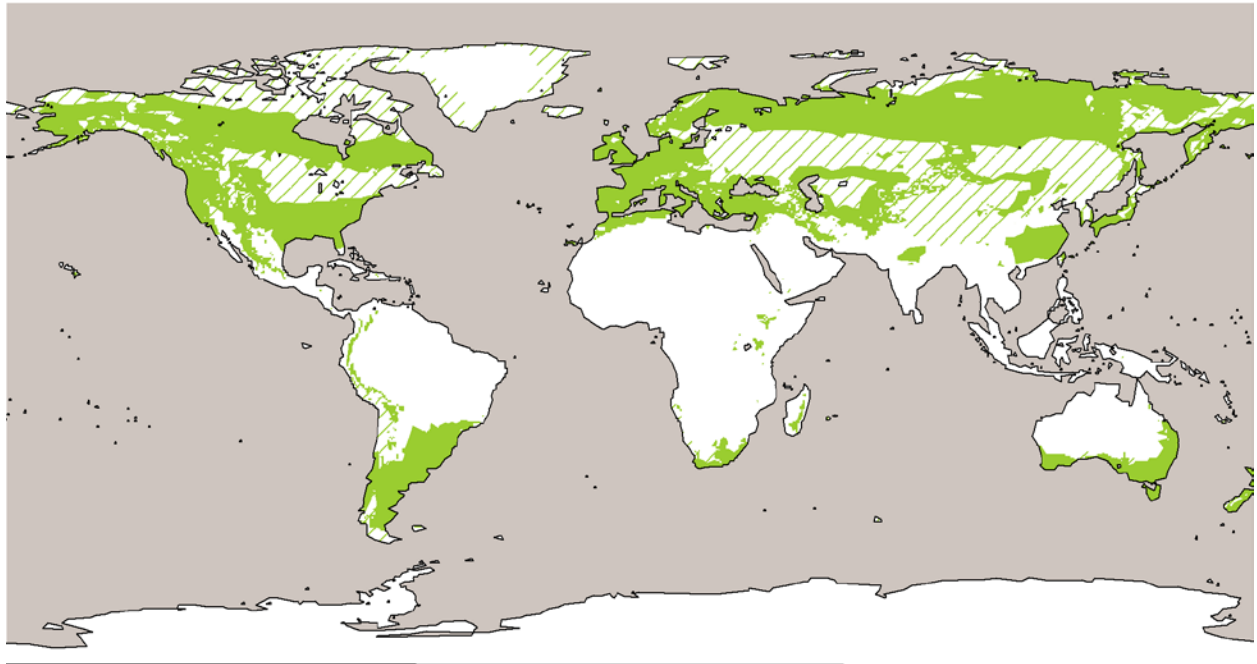
Temperate cropland is a generic category for annual crops.

Climate

Temperate croplands are found outside the tropics.

Potential Distribution

This distribution map illustrates the climate zones in which this ecosystem type occurs, with stippled areas indicating climate zones where it is rare. It is not present in all parts of its climatic range.



Climate regulation value

The average greenhouse gas value for ecosystems of this type is -47 metric tons CO₂-equivalents per hectare over a 50 year time frame (t CO₂-eq ha⁻¹ 50 yrs⁻¹). This includes 22 t CO₂-eq ha⁻¹ 50 yrs⁻¹ from storage of organic matter that would result in greenhouse gas release if cleared and -69 t CO₂-eq ha⁻¹ 50 yrs⁻¹ from ongoing greenhouse gas exchange between the ecosystem and the environment.

The calculator currently lacks appropriate data to calculate the biophysical effects of clearing this ecosystem type.

Considering an average car, emitting 1.1 lb CO₂ per mile driven, maintaining 100 square feet (9.3 m²) of this ecosystem type would, on average, be equivalent to driving 87 miles/141 km (counting greenhouse gasses only).