

# Cold temperate wet grassland



ILLINOIS, USA

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## Vegetation

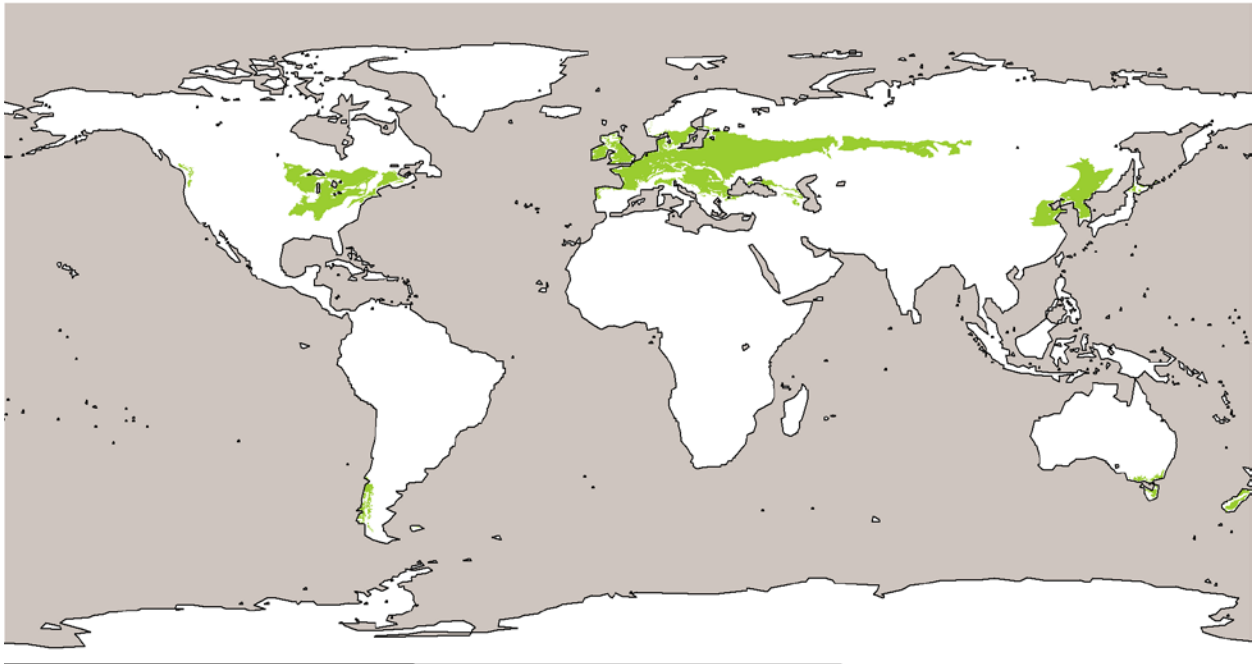
Cold temperate wet grasslands are dominated by grass.

## Climate

Cold temperate wet grasslands are found in relatively cold, wet temperate climates.

### 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 212 metric tons CO<sub>2</sub>-equivalents per hectare over a 50 year time frame (t CO<sub>2</sub>-eq ha<sup>-1</sup> 50 yrs<sup>-1</sup>). This includes 171 t CO<sub>2</sub>-eq ha<sup>-1</sup> 50 yrs<sup>-1</sup> from storage of organic matter that would result in greenhouse gas release if cleared and 40 t CO<sub>2</sub>-eq ha<sup>-1</sup> 50 yrs<sup>-1</sup> 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 CO<sub>2</sub> per mile driven, clearing 100 square feet (9.3 m<sup>2</sup>) of this ecosystem type would, on average, be equivalent to driving 393 miles/633 km (counting greenhouse gasses only).