

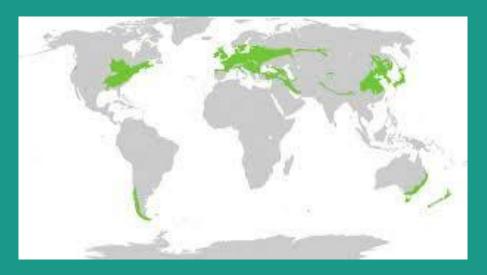
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#### **Distribution**

• Primarily located in midlatitudes of the

Northern Hemisphere

- Smaller areas found in:
  - o Chile
  - South Africa
  - Australia
  - New Zealand



## **Precipitation**

- Annual precipitation ranges from 70
  to over 200 cm
- Significant rainfall occurs in all seasons, including summer
- Some forests experience winter snowfall





## **Plants**

- Mature temperate broadleaf forests have four distinct vertical layers:
  - Closed canopy
  - One or two strata of understory trees
  - Shrub layer
  - Herb layer
- Few epiphytes are present
- In Northern hemisphere, dominant plants are deciduous trees that drop their leaves before winter
  - Low temperatures reduce photosynthesis and make water uptake from frozen soil



#### **Animals**



Many bird species migrate to warmer climates during the colder winter months

In the Northern Hemisphere, many animals hibernate during winter



Mammals, birds, and insects utilize all vertical layers of the forest





## **Human Impact**

Temperate broadleaf forests have been extensible settled on all continents

Logging and land clearing for agriculture and urban development have significantly impacted these forests



- Nearly all original deciduous forests in North America have been destroyed
- These forests are recovering and regrowing in many areas due to their ability to regenerate

# **APA Works Cited**

Taylor, M. R., Simon, E. J., Dickey, J., Hogan, K. A., & Reece, J. B. (2018). *Campbell biology: Concepts & connections* (9th ed.). Pearson.