Weather vs Climate

HOT-DRY / MIXED-DRY

Many people think climate

seen at left) and that polar

bears are the only animals

regions (like the glacial retreat

whose food chain is at risk. But

humans are feeling the effects

too. The planting maps at right

for crops have migrated in only

show how hardiness regions

a 10 year time frame. Take a

look at lowa, one of our

biggest crop producers.

change.

Farmers have had to make

decisions to grow entirely

different crops due to climate

change only affects polar

Weather and Climate: What's the Difference?

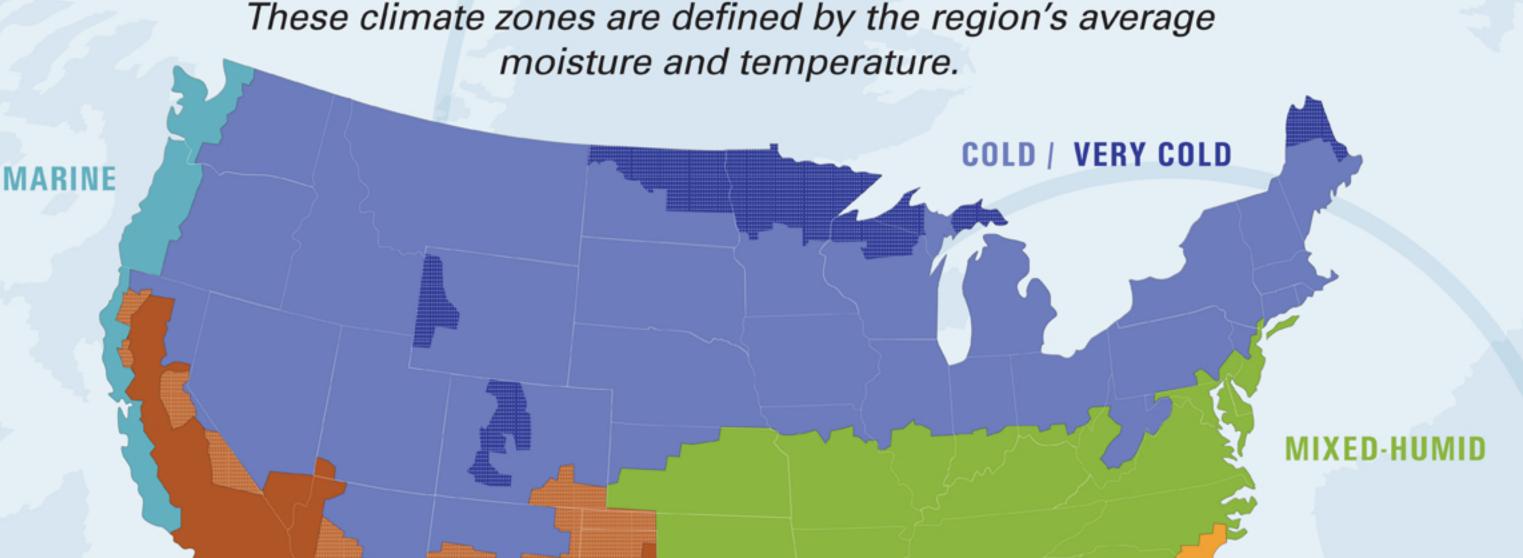
Weather is what's happening outside now. It's the combination of moisture, heat, air pressure, and wind in the atmosphere. Weather tells you that you need to put on a raincoat or sun hat before you go out.

Climate is weather over a much longer period of time. Climate describes general patterns of moisture, heat, air pressure, and wind in the atmosphere over years and decades. Climate tells you whether you're more likely to own a lot of mittens and snow gear or a lot of shorts and warm-weather clothing. Earth's climate has been warming especially in recent decades.

Muir Glacier, Alaska: August 13, 1941 and August 31, 2004



U.S. Climate Map

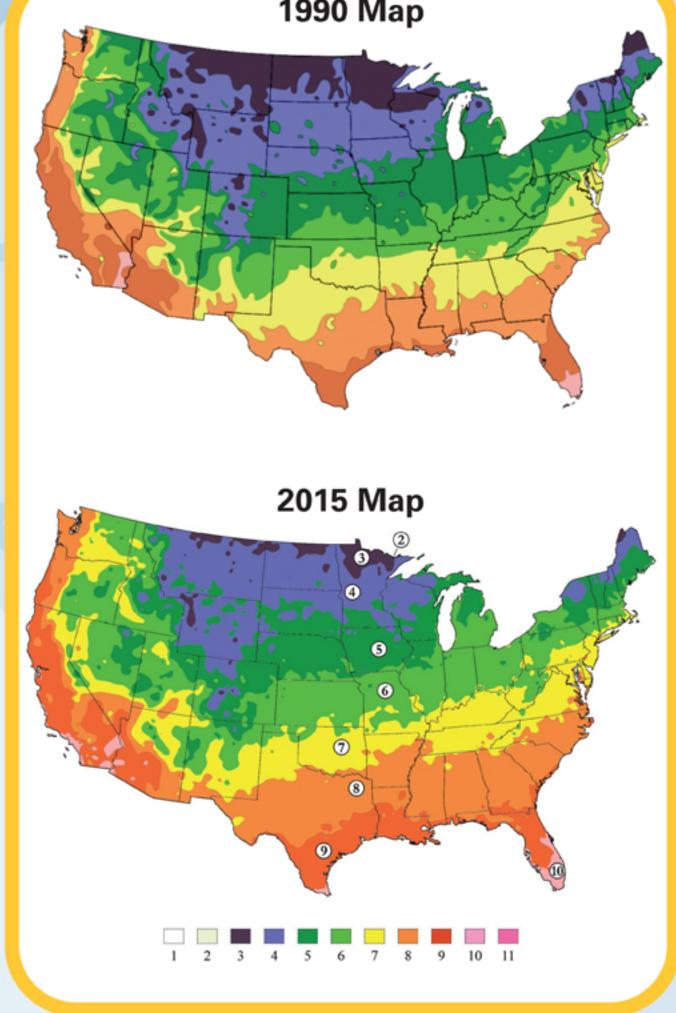


What's Your Climate Zone?

HOT-HUMID

When visitors are planning to come to your home town, what do you tell them to expect? Do you brag about warm winters or complain about cool summers? Do you live in a ski town? Or prepare for hurricanes? Find your town on the map above to see how scientists describe the usual weather - the climate - in your home town.

1990 Map



USDA Plant Hardiness

Zone Maps

Credit: The National Arbor Day Foundation