

Global Warming Scale

Scale	Temp	Fahr	Food Pr	LT-Sea	pH	Acidity	CO2	Year
0	0°C	0°F	-50%	0m	8,2	0%	290	1880
1	0,5°C	0,9°F	-25%	1,5m	8,15	12%	350	1988
2	1°C	1,8°F	0%	3m	8,1	26%	400	2015
3	1,5°C	2,7°F	-10%	4,5m	8,05	40%	450	2040
4	2°C	3,6°F	-20%	6m	8	58%	500	2057
5	2,5°C	4,5°F	-30%	7,5m	7,95	77%	550	2070
6	3°C	5,4°F	-40%	9m	7,9	100%	600	2081
7	3,5°C	6,3°F	-50%	10,5m	7,85	124%	650	2095
8	4°C	7,2°F	-60%	12m	7,8	151%	700	2110
9	4,5°C	8,1°F	-70%	13,5m	7,75	181%	750	2150
10	5°C	9°F	-80%	15m	7,7	216%	750	2200

Purpose

Scales have proven themselves to be effective in communicating natural phenomena like Richter, Beaufort and Fujita. As the scale of global warming can be hard to comprehend for some doing this makes sense. Hey, what's the big deal about a couple of degrees of warming?

Scale

The scale goes up from 0 to 10 with steps of 0.5°C of warming.

Food Production

Food production goes down 10% per degree by heat stress. As land warms faster than the oceans, warming is higher than indicated. Also add drought, floods, more pests, sea level rise and so on and the number quickly goes up to roughly 20% loss per degree warming.

From 1880 till now food production increased thanks to modern farming techniques. Right now we can already see a decrease. One way to increase food supply again is to simply eat less meat.

Long Term – Sea level rise

Long term sea level rise is the rise we already made in the future by increasing the temperature. Looking at the past a conservative estimate can be made of 3m per degree °C of warming.

CO2 and Year

CO2 levels and years have been placed at the well known RCP 6.0 or A1B scenario.

pH and Acidity

Oceans absorb large quantities of CO2. This decreases pH levels and increases acidity at an exponential rate. This disrupts marine ecosystems, oxygen production, creation of skeletons and shells and causes coral bleaching. Experts find this one to be the most threatening of all.

Anyway, this is a glimpse of the future to come. All I can say is, let's not make it so!