







GLOBAL IMPACTS OF CLIMATE CHANGE ARE SIGNIFICANTLY HIGHER AT TEMPERATURES OVER 1.5°C

Baseline: 1981-2010		0.6°C	1.5°C	2°C	3°C
 WATER SHORTAGES	% area with increased water scarcity	0	9	15	25
	% time in drought conditions	7	10	13	17
 HEAT AND HEALTH	Heatwave frequency % likelihood	33	74	87	97
	Major heatwave frequency % likelihood	5	28	49	79
	Heatwave duration average annual days	2	6	12	37
 MAIZE	Reduction in crop duration (days)	0	-7	-10	-15
	Damaging hot spell frequency % likelihood	6	12	18	35
	Reduction in rainfall % likelihood	15	16	18	20
 RICE	Reduction in crop duration (days)	0	-5	-7	-12
	Damaging hot spell frequency % likelihood	27	32	35	40
	Reduction in rainfall % likelihood	14	14	15	16
 SOYBEAN	Reduction in crop duration (days)	0	-7	-11	-17
	Damaging hot spell frequency % likelihood	1	2	3	5
	Reduction in rainfall % likelihood	14	13	12	12
 WHEAT	Reduction in crop duration (days)	0	-7	-11	-18
	Damaging hot spell frequency % likelihood	21	28	34	46
	Reduction in rainfall % likelihood	14	14	15	17

Source: Arnell, 2019