

## SUMMARY OF SOLUTIONS

# Individual Solutions

The rankings shown here are based on projected emissions impact globally. The relative importance of a given solution can differ significantly depending on context and particular ecological, economic, political, or social conditions.

## Scenario 1

Overall Ranking	Solution	Total CO <sub>2</sub> -eq (Gt) Reduced/Sequestered (2020–2050)	Net First Cost to implement solution (Billions \$US)	Net Lifetime Cost to operate solution (Billions \$US)	Net Lifetime Profit after implementation and operation (Billions \$US)
1	Reduced Food Waste	87.4	-	-	-
2	Health & Education	85.4	-	-	-
3	Plant-Rich Diets	65.0	-	-	-
4	Refrigerant Management	57.7	-	600	-
5	Tropical Forest Restoration	54.5	-	-	-
6	Onshore Wind Turbines	47.2	800	-3,800	-
7	Alternative Refrigerants	43.5	-	-	-
8	Utility-Scale Solar Photovoltaics	42.3	-200	-12,900	-
9	Improved Clean Cookstoves	31.3	100	1,900	-
10	Distributed Solar Photovoltaics	28.0	400	-7,800	-
11	Silvopasture	26.6	200	2,300	1,700
12	Peatland Protection & Rewetting	26.0	-	-	-
13	Tree Plantations (on Degraded Land)	22.2	16	100	2,100
14	Temperate Forest Restoration	19.4	-	-	-
15	Concentrated Solar Power	18.6	400	800	-
16	Insulation	17.0	700	-21,700	-
17	Managed Grazing	16.4	33	-600	2,100
18	LED Lighting	16.1	-1,700	-4,500	-
19	Perennial Staple Crops	15.5	83	800	1,400
20	Tree Intercropping	15.0	100	600	200
21	Regenerative Annual Cropping	14.5	77	-2,300	100
22	Conservation Agriculture	13.4	91	-2,800	100
23	Abandoned Farmland Restoration	12.5	98	3,200	2,600
24	Electric Cars	11.9	4,400	-15,200	-

NOTE: Where a cost is a negative number, it indicates savings. Where a dash is shown, results are not available.