

En-ROADS Food Sector Quick Reference Guide

To test out changes to the food and agriculture system in En-ROADS...

Adjust the detailed settings for Methane & Other Gas by clicking on the three dots and locating the Agriculture and Waste Slider for direct emissions. And then, because the food system is linked to other sectors, you will also adjust the Transport Energy Efficiency (representing reduced need for farm machinery, transport, etc.) and Deforestation sliders

Pick only one Livestock or Diet column – these are alternative choices, they do not add together. The Crop Efficiency can be added to either Livestock column or adopted by itself. In any case, add the column to the BAU case, or to whatever scenario you are starting from. Note that the Ag & Waste and Deforestation slider values are negative (lower emissions) while the Transportation slider is positive (more progress).

Changing Diets:

Slider	BAU	Efficient Livestock or More Plant-based ¹	Mostly Vegetarian or “Lancet” diet ²	Improved Crop System ¹
Ag and Waste	0	-10	-20	-5
Transportation Efficiency	0.5	+0.5	+0.5	+0.7
Deforestation	0	-1.5	-1.5	-1.5

Basis:

¹ 1/3 reduction of each category of associated emissions

² 1/3 of energy and deforestation emissions plus 2/3 of direct emissions