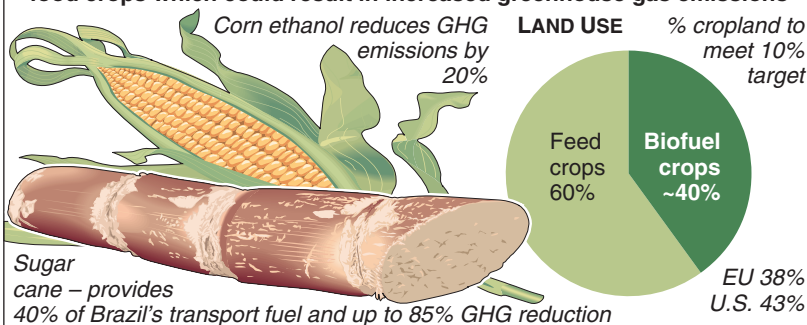


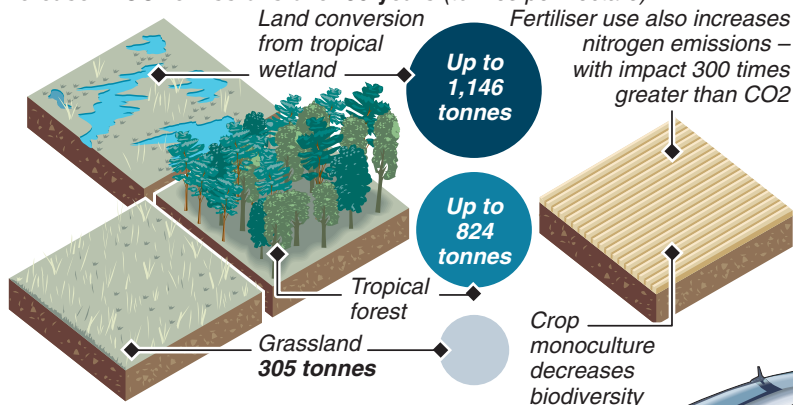
Biofuel “panacea” threat to climate change

Plans to replace fossil fuels used in transport with biofuels – the EU has targeted 10% by 2020, the U.S. 15 % by 2022 – are under intense scrutiny amid concerns that biofuel crops would compete for land with staple food crops which could result in increased greenhouse gas emissions



ENVIRONMENTAL IMPACT: Conversion of forest or grassland to arable land causes loss of organic carbon and subsequent rise in carbon dioxide emissions

Increase in CO₂ emissions over 30-years (tonnes per hectare)



“FIELD-TO-WHEEL” EMISSIONS

(typical CO₂ emissions, grams per km)

■ Production, vehicle use ■ Land conversion

Petrol 120

Biomass 35

179

Corn ethanol 96

230