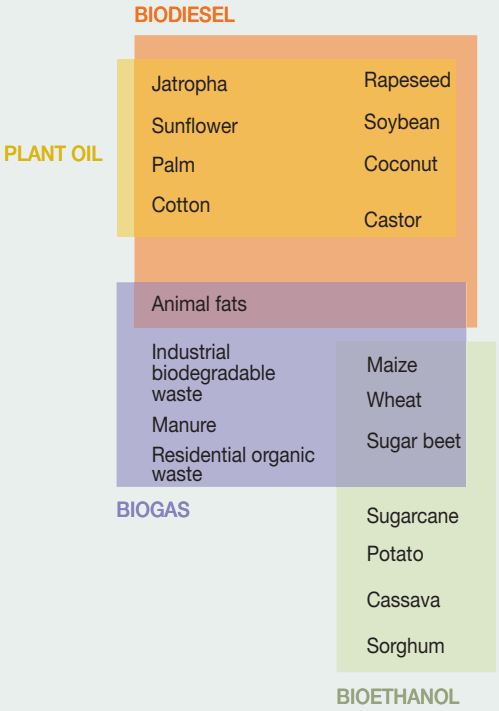
The enlarged biofuel family

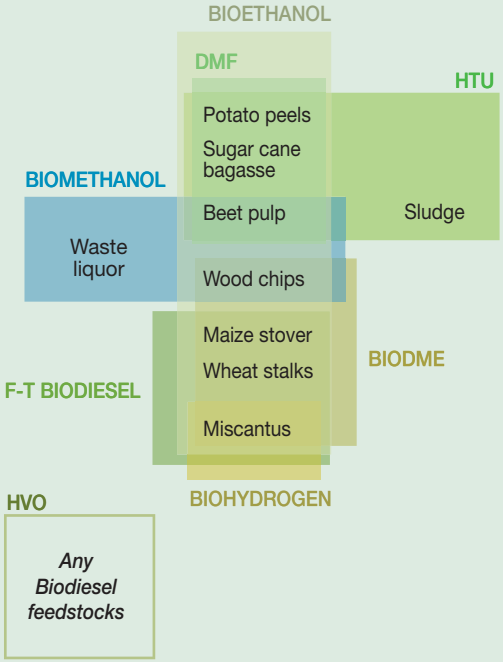
First generation

Mass production, low technology level



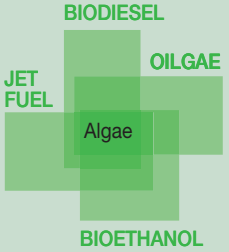
Advanced

Near-commercial production, high technology level



Advanced

Test stage production, high technology level, high costs



Note:
1.This figure omits traditional and/or solid biofuels. It only considers transport biofuels. The full list of crops includes more than 200 sources. Here only the most representative ones are shown.
2. Many advanced biofuels can be sourced from almost any type of biomass. Listed here are the most common or those used in specific production processes.

Sources: UNEP, *Assessing Biofuels*, 2009; UN-Energy, *Sustainable Bioenergy. Framework for Decision Makers*; 2007; EPA, *Renewable Fuels Standard Program Regulatory Impact Analisys*, 2010; Refuel.eu, accessed 03.03.2010; Biofuel Magazine press review, SAE International, *Hydrotreated Vegetable Oil (HVO) as a Renewable Diesel Fuel,* 2008.