Agricultural crops – current uses

→ Table 5

Feedstock	Supply	Share	Material/ Energy	Used for	Ranking
Starch / sugar	36 TWh	2%	Material	→ Technical starch	
		14%	Energy	→ Road transport (conv. biofuel)	
Oil crops	89 TWh	10%	Material	→ Oleochemicals	
		28%	Energy	→ Road transport (conv. biofuel) → Aviation / shipping (conv. biofuel)	
Palm oil (high-iLUC)	24 TWh	5%	Material	→ Oleochemicals	
		5%	Energy	→ Road transport (conv. biofuel)	
Green plants (green maize)	83 TWh	36%	Energy	→ Space heat → District heat → Process heat → Electricity (biogas / biomethane)	

Total biomass supply (2,280 TWh)

Agricultural crops – uses 2050

→ Table 6

Feedstock	Supply	Share	Material / Energy	Used for	Ranking
SRC (fast-growing trees, grasses, paludiculture)	618 TWh	52%	Material	→ Particle boards → Chemicals (biomethanol via gasification)	
		11%	Energy	→ Space heat → District heat → Electricity	
		33%	Energy	→ Aviation fuel (biomethanol via gasification)	
Oil crops (low-iLUC)	27 TWh	4%	Material	→ Oleochemicals	

Total biomass supply (2,664 TWh)

Favourable → unfavourable

Agora Energiewende (2026): from Ifeu (2026), based on Agora Energiewende (2023) and Agora Agriculture (2024). Notes: iLUC stands for Induced Land Use Change. 2020 and 2050 data based on the Agora biomass scenario for energy and materials.