

Agricultural residues – current uses

→ Table 7

Feedstock	Supply	Share	Material / Energy	Used for	Ranking	
Straw	8 TWh	15%	Materials	→ Chemicals (bioethylene, hydrolysis / fermentation)		
Manure	47 TWh	85%	Energy	→ Space heat → Process heat → District heat → Road transport (advanced biofuel / biomethane)		
				→ Electricity – biomethane		
Total biomass supply (2,280 TWh)						
Forest wood				Wastes	Agricult. crops	2.5% Agricult. residues

Agricultural residues – uses 2050

→ Table 8

Feedstock	Supply	Share	Material / Energy	Used for	Ranking
Straw	57 TWh	22%	Materials	→ Chemicals (bioethylene, hydrolysis / fermentation)	
Manure	70 TWh	27%	Energy	→ Space heat → Process heat (>500°C) → District heat → Heat and electricity (CHP)	
				→ Electricity (biogas / biomethane)	
Catch crops	64 TWh	24%	Materials	→ Chemicals (bioethylene, hydrolysis / fermentation)	
Landscape material	73 TWh	28%	Energy	→ Process heat (>500°C) → District heat → Electricity (direct / biomethane) → Aviation fuel (biomethanol via gasification)	
Total biomass supply (2,664 TWh)					
Forest wood			Wastes	Agricultural crops	10% Agricult. residues

Favourable → unfavourable



Agora Energiewende (2026): from Ifeu (2026), based on Agora Energiewende (2023) and Agora Agriculture (2024). Note: 2020 and 2050 data based on the Agora biomass scenario for climate neutrality.