



# Feedstock List (as of 4/2017)

FOG: Fats / Oils / Greases			
Oil Seeds		Wastes / Industrial	Algae / Aquatic Species
Aloe ( <i>Aloe vera</i> )	Meadowfoam ( <i>Limnanthes alba</i> )	Brown grease	Cyanobacteria
Babassu ( <i>Attalea speciosa</i> )	Mustard ( <i>Sinapis alba</i> )	Crude glycerine	Halophytes (e.g., <i>Salicornia bigelovii</i> )
*Camelina ( <i>Camelina sativa</i> )*	Nuts	Fish oil	Lemna ( <i>Lemna</i> spp.)
*Canola, winter ( <i>Brassica napus</i> {occasionally <i>rapa</i> or <i>campestris</i> })*	Olive ( <i>Olea europaea</i> )	Industrial effluent (palm)	Macroalgae
*Carinata ( <i>Brassica carinata</i> )*	Palm ( <i>Elaeis guineensis</i> )	Shrimp oil ( <i>Caridea</i> )	Mallow ( <i>Malva</i> spp.)
Castor ( <i>Ricinus communis</i> )	Peanut, Cull ( <i>Arachis hypogaea</i> )	Tall oil pitch	Microalgae
Citrus ( <i>Citron</i> spp.)	Pennycress ( <i>Thlaspi arvense</i> )	Tallow / Lard	Spirodela ( <i>Spirodela polyrhiza</i> )
Coconut ( <i>Cocos nucifera</i> )	Pongamia ( <i>Millettia pinnata</i> )	White grease	Wolffia ( <i>Wolffia arrhiza</i> )
Corn, inedible ( <i>Zea mays</i> )	Poppy ( <i>Papaver rhoeas</i> )	Waste vegetable oil	
Cottonseed ( <i>Gossypium</i> )	*Rapeseed ( <i>Brassica napus</i> )*	Yellow grease	
Cuphea ( <i>Cuphea viscosissima</i> )	Rice Bran		
Flax / Linseed ( <i>Linum usitatissimum</i> )	Safflower ( <i>Carthamus tinctorius</i> )		
Gourds / Melons ( <i>Cucumis melo</i> )	Sesame ( <i>Sesamum indicum</i> )		
Grapeseed ( <i>Vitis vinifera</i> )	Soybean ( <i>Glycine max</i> )		
Hemp seeds ( <i>Cannabis sativa</i> )	Sunflower ( <i>Helianthus annuus</i> )		
Jajoba ( <i>Simmondsia chinensis</i> )	Tallow tree ( <i>Triadica sebifera</i> )		
Jatropha ( <i>Jatropha curcas</i> )	Tobacco ( <i>Nicotiana tabacum</i> )		
Lesquerella ( <i>Lesquerella fendleri</i> )			

Cellulose			
Woody	Grasses	Residues	Other
<b>Types:</b>	Arundo ( <i>Arundo donax</i> )	Bagasse ( <i>Saccharum officinale</i> )	Algal / Aquatic Residues
Includes coppice, forestry (short rotation), invasive woody species, sawdust, slash, small round, and thinnings	Big bluestem grass ( <i>Andropogon gerardii</i> )	Corn cobs ( <i>Zea mays</i> )	Black and brown liquor
	Energy cane ( <i>Saccharum officinale</i> )	Corn stover ( <i>Zea mays</i> )	Brassicaceae
<b>Species:</b>	Hemp ( <i>Cannabis sativa</i> )	Cotton ( <i>Gossypium hirsutum</i> )	Duckweed ( <i>Lemnoideae</i> )
Alder ( <i>Alnus spp.</i> )	Indian grass ( <i>Sorghastrum nutans</i> )	Empty fruit bunch ( <i>Elaeis guineensis</i> )	Fungi
Bamboo ( <i>Bambusa vulgaris</i> )	Millenium Fescue ( <i>Festuca arundinacea</i> )	Grain hulls	Kudzu ( <i>Pueraria montana</i> )
Beech ( <i>Fagus spp.</i> )	*Miscanthus ( <i>Miscanthus x giganteus</i> )*	Guayule ( <i>Parthenium argentatum</i> )	
Birch ( <i>Betula spp.</i> )	*Napier grass ( <i>Pennisetum purpureum</i> )*	Nut shells	
Blackwood ( <i>Acacia melanoxylon</i> )	Sorghum, energy ( <i>Sorghum bicolor</i> )	Oil palm fronds ( <i>Elaeis guineensis</i> )	
Brazilwood ( <i>Caesalpinia echinata</i> )	*Switchgrass ( <i>Panicum virgatum</i> )*	Oil palm shells ( <i>Elaeis guineensis</i> )	
Cottonwood ( <i>Populus</i> )	*Wheatgrass ( <i>Thinopyrum intermedium</i> )*	Soybean husk, hull ( <i>Glycine max</i> )	
Eucalyptus ( <i>Eucalyptus globulus</i> )		Straw	
*Juniper ( <i>Juniperus spp.</i> )*		Tobacco ( <i>Nicotiana tabacum</i> )	
Laurel ( <i>Laurus nobilis</i> )		Wine Lees ( <i>Vitis vinifera</i> )	
Mallee ( <i>Eucalyptus spp.</i> )		Yard waste	
Mesquite ( <i>Prosopis glandulosa</i> )			
*Poplar, hybrid ( <i>Populus spp.</i> )*			
Willow, shrub ( <i>Salix spp.</i> )			
White pine ( <i>Pinus strobus</i> )			
Yellow pine ( <i>Pinus taeda</i> )			

Carbohydrates / Sugars	
Crop Sugars	Industrial
Agave ( <i>Agave americana</i> )	Food Processing
Cassava ( <i>Manihot esculenta</i> )	Grape marcs ( <i>Vitis vinifera</i> )
Corn ( <i>Zea mays</i> )	Vinasse ( <i>Saccharum officinale</i> ; <i>Beta vulgaris vulgaris</i> )
*Sugar Beet ( <i>Beta vulgaris subsp. vulgaris convar. vulgaris var. altissima</i> )*	Whey
*Sugar Cane ( <i>Saccharum officinarum</i> ) *	
*Sweet Sorghum ( <i>Sorghum bicolor</i> ) *	
Sweet Tubers ( <i>Ipomea batatas</i> )	

Industrial Waste Streams
Black liquor
Brewery Waste
Coffee waste ( <i>Coffea arabica</i> )
Community /Industrial bio waste
Food waste
Manure
Methane
Municipal Solid Waste (MSW)
Plastics
Sludge
Synthesis gas
Waste carbon gases

Fossil / Hydrocarbon / Other
CO2
Coal
Natural gas, biogas

Feedstocks in red and designated by \* are those that have been scored through the Feedstock Readiness Evaluation Tool (FSRL). To view the full evaluations for these feedstocks, see the FSRL [Repository](#). If you'd like to provide an evaluation or add a feedstock to this list, please [contact us](#).