



Feedstock List (December 17, 2024)

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>)
<u>*Camelina (<i>Camelina sativa</i>)*</u>	Nuts	Fish oil	Lemna (<i>Lemna</i> spp.)
<u>*Canola, winter (<i>Brassica napus</i>)*</u> <u>*Canola, winter (<i>Brassica napus</i>[occasionally <i>rapa</i> or <i>campestris</i>])*</u>	Olive (<i>Olea europaea</i>)	Industrial effluent (palm)	Macroalgae
<u>*Carinata (<i>Brassica carinata</i>)*</u>	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.)	<u>*Pennycress (<i>Thlaspi arvense</i>)*</u>	Tallow / Lard	Spirodela (<i>Spirodela polyrhiza</i>)
Coconut (<i>Cocos nucifera</i>)	<u>*Pongamia (<i>Millettia pinnata</i>)*</u>	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>)	<u>*Rapeseed (<i>Brassica napus</i>)*</u>	Yellow grease	
Croton (<i>Croton megalocarpus</i>)	Rice Bran (<i>Oryza sativa</i>)		
Cuphea (<i>Cuphea viscosissima</i>)	Safflower (<i>Carthamus tinctorius</i>)		
Flax / Linseed (<i>Linum usitatissimum</i>)	Sesame (<i>Sesamum indicum</i>)		
Gourds / Melons (<i>Cucumis melo</i>)	Soybean (<i>Glycine max</i>)		
Grapeseed (<i>Vitis vinifera</i>)	Sunflower (<i>Helianthus annuus</i>)		
Hemp seeds (<i>Cannabis sativa</i>)	Tallow tree (<i>Triadica sebifera</i>)		
Jajoba (<i>Simmondsia chinensis</i>)	Tobacco (<i>Nicotiana tabacum</i>)		
Jatropha (<i>Jatropha curcas</i>)	<u>*Tung oil (<i>Vernicia fordii</i>)*</u>		
Kamani (<i>Calophyllum inophyllum</i>)			
Lesquerella (<i>Lesquerella fenderi</i>)			

Cellulose			
Woody	Grasses	Residues	Other
Types:	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	*Banagrass (<i>Pennisetum purpureum</i> x <i>Pennisetum glaucum</i>)*	Corn cobs (<i>Zea mays</i>)	Black and brown liquor
	Big bluestem grass (<i>Andropogon gerardii</i>)	*Corn stover (<i>Zea mays</i>)*	Brassicaceae
Species:	*Energy cane (<i>Saccharum officinale</i>)* *Energy cane (<i>Saccharum officinale</i>)*	Cotton (<i>Gossypium hirsutum</i>)	Duckweed (<i>Lemnoideae</i>)
Alder (<i>Alnus spp.</i>)	Hemp (<i>Cannabis sativa</i>)	Empty fruit bunch (<i>Elaeis guineensis</i>)	Fungi
Bamboo (<i>Bambusa vulgaris</i>)	*Herbaceous perennial grasses including Indian grass (<i>Sorghastrum nutans</i>)*	Grain hulls	Kudzu (<i>Pueraria montana</i>)
Beech (<i>Fagus spp.</i>)	Millenium Fescue (<i>Festuca arundinacea</i>)	Guayule (<i>Parthenium argentatum</i>)	
Birch (<i>Betula spp.</i>)	*Miscanthus (<i>Miscanthus x giganteus</i>)*	Nut shells	
Blackwood (<i>Acacia melanoxylon</i>)	*Napier grass (<i>Pennisetum purpureum</i>)* *Napier grass (<i>Pennisetum purpureum</i>)*	Oil palm fronds (<i>Elaeis guineensis</i>)	
Brazilwood (<i>Caesalpinia echinata</i>)	Sorghum, energy (<i>Sorghum bicolor</i>)	Oil palm shells (<i>Elaeis guineensis</i>)	
Cottonwood (<i>Populus</i>)	*Switchgrass (<i>Panicum virgatum</i>)* *Switchgrass (<i>Panicum virgatum</i>)* *Switchgrass (<i>Panicum virgatum</i>)* *Switchgrass (<i>Panicum virgatum</i>)*	Rice residues (<i>Oryza sativa</i>)	
Eucalyptus (<i>Eucalyptus globulus</i>)	*Wheatgrass (<i>Thinopyrum intermedium</i>)*	Soybean husk, hull (<i>Glycine max</i>)	
Eucalyptus (<i>Eucalyptus grandis</i>)		*Straw – Wheat (<i>Triticum aestivum</i>)* *Straw – Wheat (<i>Triticum aestivum</i>)*	
Gliricidia (<i>Gliricidia sepium</i>)		Tobacco (<i>Nicotiana tabacum</i>)	
Hummingbird tree (<i>Sesbania grandiflora</i>)		Wine Lees (<i>Vitis vinifera</i>)	
Juniper (<i>Juniperus spp.</i>)		Yard waste	
Laurel (<i>Laurus nobilis</i>)			
Lead tree (<i>Leucaena leucocephala</i>)			
Mallee (<i>Eucalyptus spp.</i>)			

Mesquite (<i>Prosopis glandulosa</i>)			
Poplar, hybrid (<i>Populus spp.</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>)
<u>*Sugar Beet (<i>Beta vulgaris subsp. vulgaris convar. vulgaris var. altissima</i>)*</u>	Whey
<u>*Sugar Cane (<i>Saccharum officinarum</i>)*</u>	
<u>*Sweet Sorghum (<i>Sorghum bicolor</i>) *</u>	
<u>*Sweet Sorghum (<i>Sorghum bicolor</i>)*</u>	
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 [blue](#) and designated by * are those that have been scored through the Feedstock Readiness Evaluation Tool (FSRL). To view the full evaluations for these feedstocks, follow link to the associated files domiciled on [USDA's Ag Data Common's site](#). If you'd like to provide an evaluation or add a feedstock to this list, please [contact us](#).