

## Select Potential Ethanol Feedstocks

Alcohol Yield Potential (199+ proof) per Feedstock/Acre<sup>1</sup>

FEEDSTOCK	NOTES	YIELD (gallons)
Cattails	<i>single annual crop, managed, starch only</i>	2500
Cassava	<i>annual yield</i>	1662-2045
Cattails	<i>wild, approximate, annual yield</i>	1075
Fodder Beets	<i>annual yield</i>	940
Sugar Cane	<i>22-month yield</i>	900
Buffalo Gourd	<i>annual yield</i>	900
Nipa Palms	<i>wild, annual yield</i>	650
Jerusalem Artichokes	<i>annual yield</i>	550-750
Sugar Cane	<i>annual yield</i>	555
Prickly Pear	<i>cultivated, annual yield</i>	500-900
Sorghum Cane	<i>annual yield</i>	500-1000
Comfrey	<i>roots and foliage, sugar only, annual yield</i>	500
Pimelons	<i>managed, annual yield</i>	450
Sugar Beets	<i>annual yield</i>	400-770
Mesquite	<i>managed, annual yield</i>	341
Potatoes	<i>starch only, annual yield</i>	299-447
Corn	<i>annual yield</i>	214-392
Prickly Pear	<i>managed wild, annual yield</i>	200-500
Sweet Potatoes	<i>annual yield</i>	190-255
Rice	<i>rough, annual yield</i>	175-230
Lucerne	<i>annual yield</i>	145
Apples	<i>annual yield</i>	140
Dates	<i>dry, annual yield</i>	126
Grain Sorghum	<i>annual yield</i>	125-256
Carrots	<i>annual yield</i>	121
Yams	<i>annual yield</i>	94
Grapes	<i>annual yield</i>	91
Peaches	<i>annual yield</i>	84
Barley	<i>annual yield</i>	83-133
Wheat	<i>annual yield</i>	79
Pineapples	<i>annual yield</i>	78
Oats	<i>annual yield</i>	57
Rye	<i>annual yield</i>	54
Pears	<i>annual yield</i>	49
Apricots	<i>annual yield</i>	41
Buckwheat	<i>annual yield</i>	34

Alcohol Yield Potential (199+ proof) per Feedstock/Ton<sup>1</sup>

<b>FEEDSTOCK</b>	<b>NOTES</b>	<b>YIELD (gallons)</b>
Wheat		85.0
Corn		84.0
Buckwheat		83.4
Grain Sorghum		79.5
Rice	<i>rough</i>	79.5
Barley		79.2
Dates	<i>dry</i>	79.0
Rye		78.8
Mesquite		76.0
Molasses	<i>blackstrap</i>	70.4
Sorghum Cane		70.4
Oats		63.6
Lichens	<i>reindeer moss</i>	60.0
Marine Algae	<i>dry</i>	55.0
Cassava		48.0
Manure	<i>dairy cattle</i>	40.0
Sweet Potatoes		34.2
Buffalo Gourds		32.0
Yams		27.3
Chili Peppers		27.2
Jerusalem Artichokes		27.0
Fodder Beets		27.0
Onions		24.2
Prickly Pear		24.0
Garlic		23.1
Cattails	<i>starch only</i>	23.0
Potatoes		22.9
Sugar Beets		22.1
Lucerne	<i>dry weight</i>	21.1
Oranges	<i>whole</i>	21.0
Sugarcane		15.2
Grapes		15.1
Apples		14.4
Apricots		13.6
Pears		11.5
Peaches		11.5
Marine Algae	<i>wet</i>	6.0

1. Blume, David (2007). *Alcohol Can Be a Gas! Fueling an Ethanol Revolution for the 21st Century*. Santa Cruz, CA, USA: International Institute for Ecological Agriculture