



Water Footprint

Feedstock	Electricity	Fuel
	Gallons/GJ	Gallons/Gallon
Sugar beet	12,144	1,388
Corn	13,200	2,570
Sugar cane	13,200	2,516
Wheat	24,552	4,946
Soybean	45,672	13,676
Sorghum	47,520	9,812
Rapeseed (Canola)	101,112	14,201

Gerbens-Leenes et al., 2009

What can we do?

Identify priorities

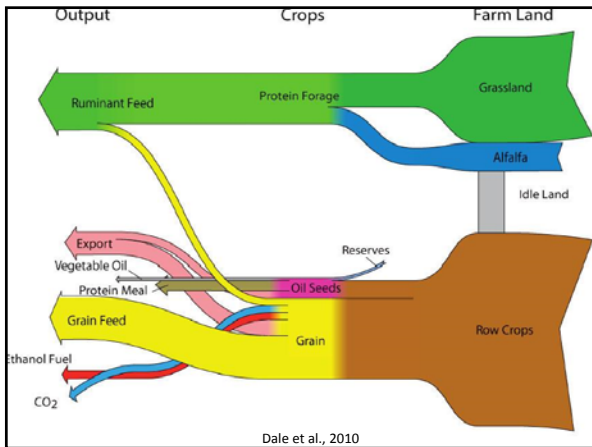
1. Feedstocks that produce lower life-cycle GHG emissions than fossil fuels
2. Feedstocks with little or no competition with food production

Tilman et al., 2009

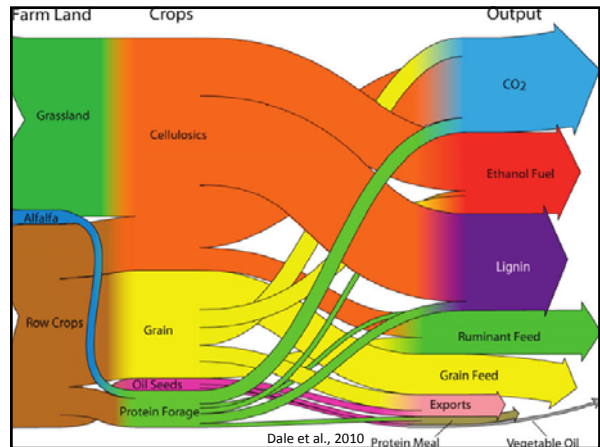
What can we do?

- Perennial plants grown on degraded lands abandoned from agricultural use
- Crop residues
- Sustainably harvested wood and forest residues
- Double crops and mixed cropping systems

Tilman et al., 2009



Dale et al., 2010



Dale et al., 2010

Further information

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