



# Sweet Sorghum

*Sorghum bicolor*

## About me:

I am an annual grass with long thin stalks. I grow best in warm and dry conditions; I don't like the cold but can tolerate a range of altitudes. My name Sweet Sorghum comes from all the sugar found in my stalks. Often I have been used to make syrup.

## Where do I come from?

I come from North Africa, but now can be found growing in many parts of the world

## How is the bio-fuel produced?

My stalks, leaves and seeds are crushed to release the high quantity of sugar found within them. The sugars are then easily converted into ethanol using appropriate fermentation technology or can be burnt by fast pyrolysis (thermo-chemical decomposition) to produce bio-oil. The leftover crushed stalks called bagasse, can be used to produce biomass energy (fuel pellets) and be converted into a combustible fuel.

## How is my energy used?

Direct combustion – charcoal, gasification, fuel pellets to be used for heating and electricity generation. Transport fuel – Bio-ethanol can be used in adapted cars or as a fuel mix.

