



# Ethiopian mustard

*Brassica carinata*

## About me:

I am a leafy vegetable with bright yellow flowers. I grow in most soil types, especially if the soil is rich in organic matter. Although I can tolerate warm temperatures I produce the highest yield in cooler conditions. *Brassica napus* (Rapeseed) is a very close relative and we share many of the same properties for bio-fuel production

## Where do I come from?

I originate from Ethiopia; however, I can now be found growing in parts of Europe and USA.

## How is the bio-fuel produced?

My seeds contain a high oil content ideal for bio-fuel production. First the seeds are removed from the dry seed pods and crushed to extract the oil. The biomass can also undergo gasification, which is a more complex method using high temperatures to convert the biomass into carbon dioxide hydrogen and hydrocarbon.

## How is my energy used?

I am one of the first bio-fuels to have successfully powered an aircraft without any modifications to the engine. I can also be used to produce ethanol or generate electricity.



Photos by J.Michael Raby (2010)



Photo by Scamperdale (2009)