

Re: What is the technical name for this kind of energy?

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Source: <http://sci.tech-archive.net/Archive/sci.energy.hydrogen/2006-08/msg00213.html>

- *From:* B Richardson <brich@xxxxxxxxxxxxx>
 - *Date:* 31 Jul 2006 03:25:25 GMT
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On Sun, 30 Jul 2006 17:55:09 -0700, AKA Gray Asphalt wrote:

"K. Jones" <K.Jones@xxxxxxxxxxxxx> wrote in message
news:eaj3q302o8r@xxxxxxxxxxxxxxxxxxxxxxxx

"BobG" <bobgardner@xxxxxxx> wrote in message
news:1154212484.566551.138700@xx

There is a site that lists gallons of oil per acre for various oilseed crops like soybeans, canola seeds, sunflower. Sunflower is great... 100 gal per acre. A coop of oilseed farmers and a biodiesel processor that could produce biodiesel at a retail price cheaper than petro diesel could sell as much as they could grow, but unfortunately we have calculated the acres and square miles needed to grow enough oilseeds to eliminate the foreign oil imports (60% of 24 quadrillion BTUs) and it would just about cover the 3.5 million square miles of the continental US, and we know not all of that is arable, so too little too late. It would make money for the farmer-biodieselrefiner coop though!

Why do oilseeds have to replace *all* foreign oil imports? Much as our electricity is generated from a variety of sources, there are a variety of fuel substitutes available as well.

http://www.attra.org/attra-pub/biodiesel_sustainable.html

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Corn 18 gal /acre
Soybean 46 gal /acre
Safflower 80 gal /acre
Sunflower 98 gal /acre
Peanut 109 gal /acre
Rapeseed 122 gal /acre
Castor bean 145 gal /acre
Jojoba 186 gal /acre
Oil Palm 610 gal /acre!!!!
Algae ???

Corn is obviously not the crop to use to make oil for fuel from.

K. Jones

As much as I hate to include hemp because of the marijuana connection ... it was mentioned on an interview lately by a caller (who sounded stoned) ... what is the gal/acre of hemp to oil?

A couple of quotes from this,

<http://mojo.calyx.net/~olsen/HEMP/IHA/iha03101.html>

"Most hemp seed also contains approximately 25–35%,..."

"An ideal seed hemp variety would produce a high yield of seed (normally 0.5–1.0 t/ha) containing a high percentage of good quality oil."

1 ton/ha \approx 0.4 ton/acre \approx .14 tons of oil at 35% oil.

280 lbs, approximately 40 gallons.

Seed crops require lots of nutrients and water to get any kind of appreciable yield. If you could come up with the land needed to make crop fuels viable, you're probably better off pursuing grass crops as opposed to seed crops.

This table is very interesting but there should be a component about how much energy comes from each gallon, no?

Neighborhood of diesel at around 140K BTU/gal. Different I'm sure, but not enough to turn a loser into a winner.

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