

April 2021

Energy Value of Various Sources

A. H. Boyd

Follow this and additional works at: <https://scholarsjunction.msstate.edu/seedtechpapers>

Recommended Citation

Boyd, A. H., "Energy Value of Various Sources" (2021). *Seed Technology Papers*. 58.
<https://scholarsjunction.msstate.edu/seedtechpapers/58>

This Text is brought to you for free and open access by the Mississippi State University Extension Service (MSUES) at Scholars Junction. It has been accepted for inclusion in Seed Technology Papers by an authorized administrator of Scholars Junction. For more information, please contact scholcomm@msstate.libanswers.com.

ENERGY VALUE OF VARIOUS SOURCES

<u>Source</u>	<u>BTU</u>	<u>K. Cal</u>	<u>Per Unit</u>
Rice Hulls	12,000	3,384	Kilo
Sawdust	68,000	19,175	cu. ft.
Wood	125,000	35,248	cu. ft.
Bituminous Coal	13,000	3,666	lb.
Anthracite Coal	12,000	3,384	lb.
Diesel Fuel	126,000	35,530	gal.
Fuel Oil (Bunker)	140,000	39,480	gal.
Natural Gas	1,000,000	282,000	1000 cu. ft.
Manufactured Gas	535,000	151,000	1000 cu. ft.
Butane Gas	100,000	28,200	gal.
Propane Gas	80,000	22,550	gal.
Gasoline	116,000	32,700	gal.
Gasoline Engine	2,544	720	hp. hour
Electricity (lights & heater)	3,413	960	Kwh.
Electric Motor			
$\frac{1}{2}$ hp.	4,200	1,058	hp. hr.
$\frac{1}{2}$ -3 hp.	3,700	932	hp. hr.
3-20	2,950	718	hp. hr.
Humans			
Sitting	370	93	hr.
Working	700-1500	176-378	hr.
Dancing	2,000	504	hr.

Prepared from various sources by A.H. Boyd for AGN 4263 Seed and Grain Conditioning and Storage.