

# Briquetting checklist & documentation form

## Materials & Equipment

✓	What	Why	Where (potentially)
	carbonized & crushed material		
	binder: may also require...		
	peeler		
	grater		
	cooking pot		
	heat source (hot plate)		
	scale		
	water		
	briquette press		
	hammer		
	oven (optional)		
	bucket	mixing binder & charcoal	
	trays	holding briquettes	
	small tarp	collecting spilled charcoal	

## Procedure

*Throughout, record information on reverse*

1. Weigh the carbonized & crushed material and, assuming cassava is used, determine the amount of binder needed based on the below table.

Processing Method	Cassava (ml)	Water (ml)
Starch sediment only	25	475
Squeeze twice	50	150 (for squeezing) 300
Just grated	50	450
Liquid only	250	250
<i>for all options, 500 g of charcoal powder is used</i>		

2. Prepare binder
3. Mix binder with charcoal, being careful to distribute it well
4. Using press and hammer, form briquettes until all the material has been used. About 25 briquettes can be made from 500g of crushed charcoal.
5. Let briquettes dry. To facilitate this step, use an oven at ~ 120 degrees F to quickly evaporate the water in the briquettes (note: do not set the oven to high temperatures while drying the briquettes, as briquettes may catch on fire.)

**Briquetting documentation**  
*use one form for each set of briquettes*

**Briquettors**  
list person filling out form first

Date: \_\_\_\_\_

Location: \_\_\_\_\_

Raw material used	source	date carbonized	weight (lbs or kg)	Binder used	weight (lbs or kg)	water used (lbs or ml)

Time you started making briquettes: \_\_\_\_\_

Time you finished making briquettes: \_\_\_\_\_

# presses used: \_\_\_\_\_

Any anomalies that slowed down the process significantly:

How many briquettes were made? \_\_\_\_\_

**Press used**

square mini     circular mini     circular old school     other: \_\_\_\_\_

**How were the briquettes dried**

in the sun     in the oven at \_\_\_\_\_ °F or °C     other: \_\_\_\_\_

Using this method, how long were the briquettes dried for? \_\_\_\_\_ hours

**Were the briquettes hardened?**

no  
 yes, explain when, where, and how:

**Once dry, what was the perceived briquettes strength?**

very strong     somewhat strong     somewhat weak     very weak

Any briquette quality notes:

Note any deviations from standard procedure:

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