

Bokashi Making Checklist & Cost

10/1/2015

bokashi ingredients — at full retail prices (+NYC Sales Tax); cost will be lower with quantity or small volume purchases of EM-1 and molasses

	on-hand	qty	cost	ext.	NYC tax	subtotal	pricing from	Notes	
<input type="checkbox"/> EM-1 (quart bottle)	32 fl oz	1	\$22.99	\$22.99	\$17.67	\$40.66	TeraGanix.com		
<input type="checkbox"/> blackstrap molasses	32 fl oz	1	\$10.00	\$10.00	\$0.89	\$10.89	Average price at local stores		
<input type="checkbox"/> water	tap water or clean rain water					\$0.00			
<input type="checkbox"/> wheat bran \$19/50-lb bag [uses 1% EM-1]	50-lb bag animal grade feed (also sold in 25-lb bags)	8	\$17.49	\$139.92	\$12.07	\$151.99	400 lbs*	Chestnut Vale Feed, Hicksville NY (available at Agways, or animal feed/ farm supply stores)	
<input type="checkbox"/> or non-bran material [uses 5% EM-1]	<i>e.g., coffee chaff, cocoa husk, wood shavings, shredded coconut husk, etc.</i>	1				\$0.00	80 lbs* (gallons if chaff)	<i>coffee chaff from coffee roasters; cocoa husk from chocolate factories; wood shavings from furniture makers & woodworkers</i>	
bokashi ingredients total:							\$203.54	\$0.51 per lb	\$6.11 per household per year**
<i>non-bran ingredients total:</i>							<i>\$51.55</i>	<i>\$0.64 per lb</i>	<i>\$7.73 per household per year**</i>

bokashi making tools

	on-hand	qty	cost	ext.	NYC tax	subtotal	pricing from	Notes	
<input type="checkbox"/> mixing tubs (10-gallon capacity)	All Purpose Mixing Tub, example: tufftubs.com/htdocs/mixingtub.htm	2	\$6.29	\$12.58	\$1.12	\$13.70	homedepot.com (Plasgad medium mixing tub)		
<input type="checkbox"/> buckets (5-gallon)	match brand with lid for proper fit	3	\$5.38	\$16.14	\$1.43	\$17.57	homedepot.com		
<input type="checkbox"/> Reusable Easy Off lids	for the above buckets	3	\$1.49	\$4.47	\$0.40	\$4.87	homedepot.com		
<input type="checkbox"/> or Gamma Seal type lids	<i>for the above buckets</i>		<i>\$7.28</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>\$0.00</i>	<i>lowes.com</i>		
<input type="checkbox"/> plastic sheets (12" x 12")	reuse plastic bags or cut trash bag	3				\$0.00			
<input type="checkbox"/> measuring cup (8 fl oz)		1	\$7.00	\$7.00	\$0.62	\$7.62	containerstore.com		
<input type="checkbox"/> measuring bowl (2.5 qt)	2.5-quart capacity container	2	\$1.47	\$2.94	\$0.26	\$3.20	homedepot.com		
<input type="checkbox"/> labeling: index cards	Pack of 100, 3" x 5" index cards	1	\$0.50	\$0.50	\$0.04	\$0.54	staples.com		
<input type="checkbox"/> labeling: sharpie/marker	Pack of 5 markers	1	\$3.00	\$3.00	\$0.27	\$3.27	staples.com		
<input type="checkbox"/> labeling: tape	Pack of 3 Scotch Tape	1	\$3.00	\$3.00	\$0.27	\$3.27	staples.com		
bokashi tools total:							\$54.03		

* 400 lbs, how much bokashi made with bran can be produced with 1 quart (32 fl oz) of EM-1.
80 lbs for non-bran materials (coffee chaff, cocoa husk, wood shavings) — while free, requires 5 times more EM-1.
The wheat bran can be purchased over time instead of all at once.
400 lbs of bokashi can treat up to 13,200 lbs of food waste (or 6.6 tons)

** "per household per year" cost is calculated by multiplying cost "per lb" by 12 (12 lbs/year), based on an average use of 1 lb of bokashi/month for a household for 1 to 2 persons.
400 lbs of bokashi can serve about 33 households at most per year;
the more persons per household, i.e., more food waste produced, the less the number of households.

total

bokashi ingredients (bran)	\$203.54
<i>bokashi ingredients (non-bran)</i>	<i>\$51.55</i>
bokashi tools	\$54.03
total for bran bokashi	\$257.57
total for non-bran bokashi	\$105.58