

# FORM 9: COMPOST DESIGN (3)

NAME: 5BU

DATE: 1/08

## VOLUME OF CURED COMPOST

	S	T	U		V
<b>DRY MATERIALS</b>	<b>ACTUAL 'BUILT' VOLUME</b> <b>DRY MATERIAL</b> cu ft or cu m [G / 3.6 lb or 57.7 kg#]	<b>CURING FACTOR</b> ## (approx.)	<b>ACTUAL CURED VOLUME * WITHOUT * SOIL *</b> cu ft or cu m		<b>ACTUAL CURED VOLUME * WITH * SOIL *</b> cu ft or cu m
Corn, Flour	72				
Amaranth, Diet	12.8				
Amaranth, Inome	1				
Raisins	5.3				
Aliberts	23.7				
Rye	12.7				
<b>TOTAL DRY MATERIAL</b>	127.5	/ ~6.57 =	19.4		
<b>GREEN MATERIALS</b>	<b>ACTUAL 'BUILT' VOLUME</b> <b>GREEN MATERIAL</b> cu ft or cu m [G / 8.5 lb or 136.2 kg#]				
Fava Beans	98.0		+		
BIHCC	53.5				
<b>TOTAL GREEN MATERIAL</b>	151.5	/ ~8.50 =	17.8	###	
<b>TOTAL ORGANIC MATTER</b>			37.2	x 2 =	74.4

# These conversion rates are averages based on data from five diverse research piles (33,34,37,49,53).

## Based on curing percentages approximated in Booklet #10, p. 7. Can be lower for cold piles.

### Assumes ~10% soil at the built stage and ~50% soil at the cured stage.

**RATIO OF 'BUILT' VOLUME TO CURED VOLUME:**

Approx. Total 'Built' Volume with Soil [(Col. S Dry + Col. S Green) 279 x 1.11 (assuming soil in built pile = ~10% by volume) = 309.7 ] / Total Cured Volume with Soil (V) = 4.16