

compost: total volume**PAGE 1**

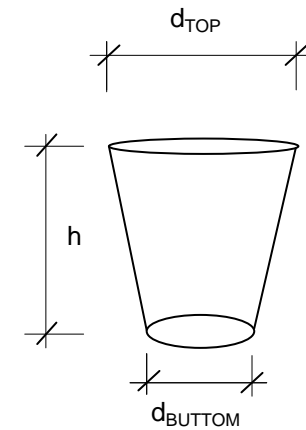
name: _____

date: _____

BUCKET

 d_{TOP} = _____ cm d_{BOTTOM} = _____ cm h = _____ cm

$$V_{BUCKET} = 0,196 * (d_{TOP} + d_{BOTTOM})^2 * h$$

 V_{BUCKET} = _____ cm^3 = _____ m^3 ($1m^3 = 1,000,000cm^3$)

compost	numbers of buckets	total compost	remarks
out of		volume	
[-]	[-]	[m^3]	[-]

$$total\ compost\ volume = numbers\ of\ buckets * V_{BUCKET}$$

compost: bulk density and total mass**PAGE 2**

name: _____

date: _____

BUCKET $\frac{m_{TARE}}{(TARE = \text{weight of the empty bucket})} =$ _____ kg

MOISTURE CONTENT: (MC) take a look at the data collection sheet for the evaluation of the moisture content

Input material volume \longrightarrow page 1

$$\text{bulk density} = \frac{(mass1 + mass2 + mass3 - 3 * m_{TARE})}{3 * V_{BUCKET}}$$

compost	mass			bulk density	MC	total comp.	remarks
out of	1	2	3			mass	
[-]	[kg]	[kg]	[kg]	[kg/m³]	[% DS]	[kg]	[-]

$$\text{total comp. mass} = \text{bulk density} * \text{total compost volume}$$

compost: analysis**PAGE 3**

name: _____

date: _____

compost	name	lab	total C	total N	C / N
out of					ratio
[-]	[-]	[-]	[% DS]	[% DS]	[-]

C:
N:
EC:
pH:
available P:
exchang. K:

name	EC (1:5)	pH - Value	available	exchang.	N : P : K
			P	K	
[-]	[ds/m DS]	[-]	[% DS]	[% DS]	[-]

compost: total volume**PAGE 1**

name: _____

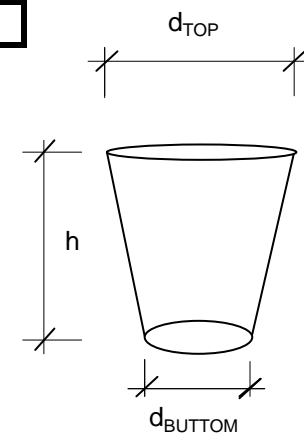
date: _____

BUCKET

d_{TOP}	=	57	cm
d_{BOTTOM}	=	32	cm
h	=	38	cm

$$V_{BUCKET} = 0,196 * (d_{TOP} + d_{BOTTOM})^2 * h$$

V_{BUCKET}	=	59461	cm ³
	=	0,059	m ³

(1m³ = 1,000,000cm³)**Step 1**

compost	numbers of buckets	total compost	remarks
out of		volume	
[-]	[-]	[m ³]	[-]
Step 2			
heap 2	57,0	3,4	

$$total\ compost\ volume = numbers\ of\ buckets * V_{BUCKET}$$

compost: bulk density and total mass

PAGE 2

name: _____

date: _____

 BUCKET $\frac{m_{TARE}}{(TARE = \text{weight of the empty bucket})} = \frac{2,2}{\text{kg}}$



 MOISTURE CONTENT:
(MC)

 take a look at the data
collection sheet for the
evaluation of the moisture
content

Input material volume → page 1



$$\text{bulk density} = \frac{(\text{mass1} + \text{mass2} + \text{mass3} - 3 * m_{TARE})}{3 * V_{BUCKET}}$$


compost	mass			bulk density	MC	total comp.	remarks
out of	1	2	3			mass	
[-]	[kg]	[kg]	[kg]	[kg/m³]	[% DS]	[kg]	[-]
Step 2	Step 3						
heap 2							

$$\text{total comp. mass} = \text{bulk density} * \text{total compost volume}$$


compost: analysis**PAGE 3**

name: _____

date: _____

compost out of [-]	name [-]	lab [-]	total C [% DS]	total N [% DS]	C / N ratio [-]
Step 2					
heap 2	2 - 1	central lab KU			
heap 2	2 - 2	central lab KU			
heap 2	2 - 3	central lab KU			

C:
N:
EC:
pH:
available P:
exchang. K:

name [-]	EC (1:5) [ds/m DS]	pH - Value [-]	available P [% DS]	exchang. K [% DS]	N : P : K [-]
					

date: _____

$$d_{\text{TOP}} = \text{cm}$$

d_{BOTTOM} = cm

h	=	cm
---	---	----

$$V_{BUCKET} = 0,196 * (d_{TOP} + d_{BUTTOM})^2 * h$$

$$V_{\text{BUCKET}} = \text{cm}^3$$
$$= m^3$$

A diagram of a truncated cone. The top circular face has a diameter labeled d_{TOP} . The bottom circular face has a diameter labeled d_{BOTTOM} . The vertical height of the cone is labeled h . The cone is shown in perspective, with the top and bottom faces represented by ellipses.

[illegible]

$$\text{BUCKET} \frac{m_{\text{TARE}}}{(\text{TARE} = \text{weight of the empty bucket})} = \text{kg}$$
[illegible]

[illegible][illegible]