



8. Processed compost

### ***How is Vermi -Compost used?***

*Earthworm castings are highly effective for all potted or containerized plants both indoors and out.*

*Use as a top dressing, or mix with potting, germination, and transplanting media.*

*Also great for use outdoors with garden plants and perennials.*

*You can also make “compost tea” liquid fertilizer.*

- *Unlike most fertilizers and sterile soil amendments, earthworm castings are teeming with beneficial microorganisms*
- *Natural, biologically active soil health supplement*
- *100% Organic*
- *Natural, safe, and odorless*

### ***Do Not:***

- *Let vermi-compost dry out before using it, it loses a lot of its value and resists wetting.*
- *If you store, do not use an airtight container.*

***For further information, contact:***



Soil Microbiology Unit  
**National Soil Services Center**  
 Department of Agriculture  
 Ministry of Agriculture  
**Semtokha**  
 Thimphu, Bhutan



**Ministry of Agriculture**  
 Department of Agriculture  
 National Soil Services centre



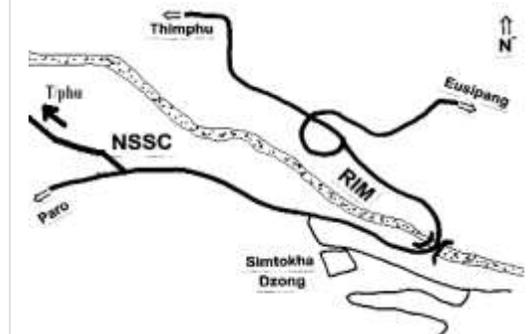
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## **VERMI-COMPOST**

***Leaflet No. 10***



**NSSC Complex at Semtokha**



Location

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## ***What is Vermi-composting?***

Vermi-composting means the use of earthworms for composting organic residues.

### ***How is Vermi - Composting done?***

Earthworms feed on aged manure or organic wastes and excrete the wastes as castings (worm manure) an organic material rich in nutrients that look like fine-textured soil.

### ***How does it enrich the soil?***

Worm casts contain five times more nitrogen, seven times more phosphorus and eleven times more potassium than ordinary soil. The casts are also rich in humic acid, which is used for conditioning the soil, having a perfect pH balance and it also contains plant growth factors.



1. *Cattle dung being shredded into smaller parts.*



2. *Spread and moistened with water.*



3. *Tub filled, leveled and worms introduced (day 1).*



4. *Covered with wet gunny bags.*



5. *Protect from rain and shine.*



6. *Worms feed and multiply.*



7. *Sieving the processed compost (after 45 days).*