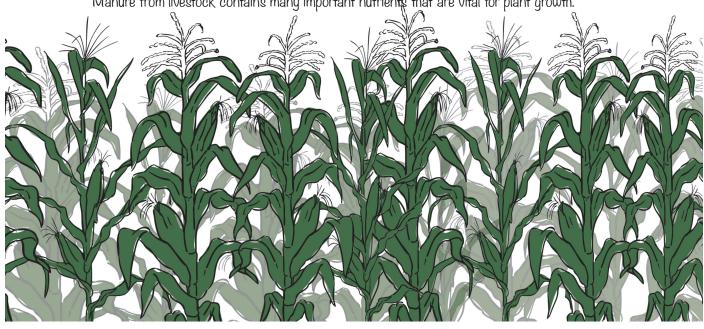
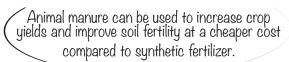


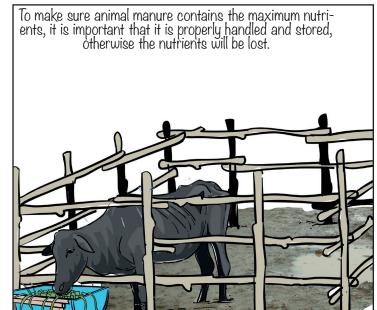
Manure from livestock contains many important nutrients that are vital for plant growth.





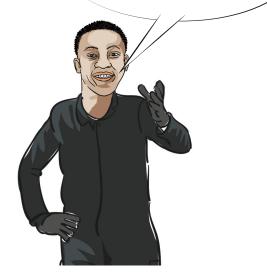


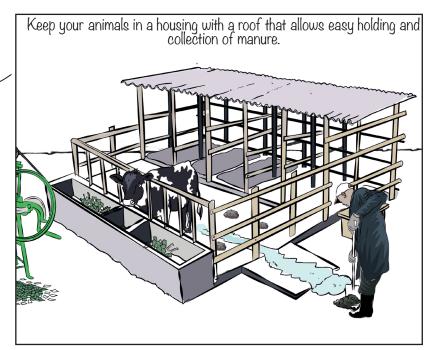






In this booklet, we will show you how to maintain the quality and get maximum benefits of animal manure in six simple steps.





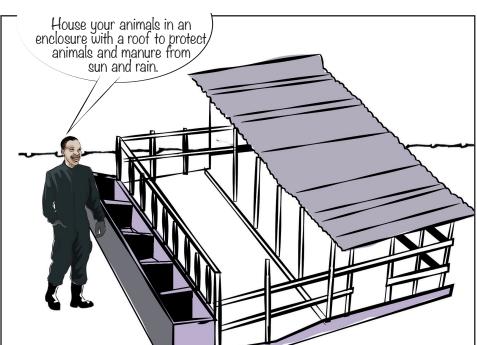












The housing should have a solid floor that allows urine and dung from the livestock to sit until collected or to drain into a central collection point.

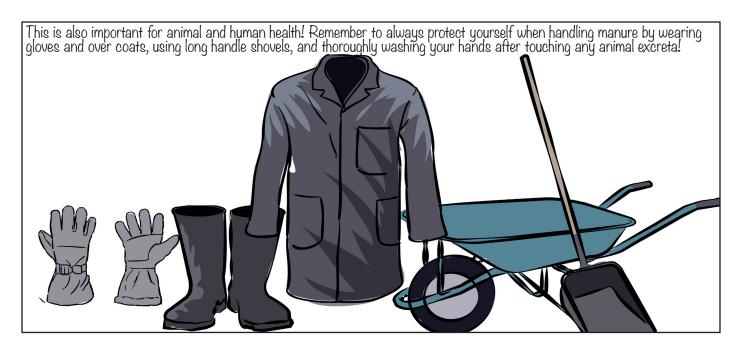


If you cannot have an enclosure with a solid floor, use bedding materials that soak up urine and prevent its loss and hold the dung for easy collection.

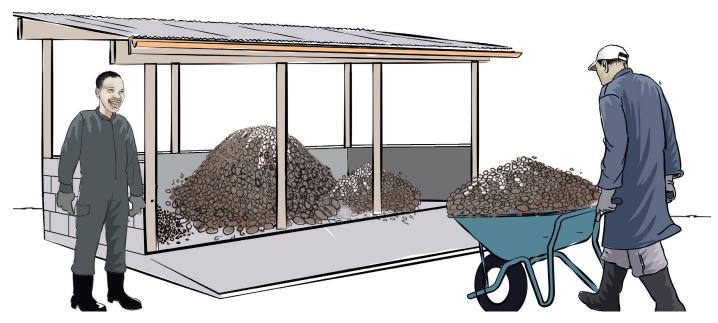


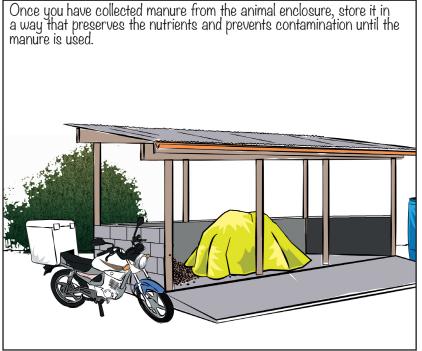
In all animal housings, both dung and urine should be collected as frequently as possible, ideally once a day, to preserve the nutrients and to keep the area where livestock are kept clean and safe.





Properly store manure to avoid nutrient loss through exposure to elements and contamination.









Cover the stored manure to protect it from sun and rainfall.



If manure is not covered properly, nutrients will be washed away by rainfall or can be destroyed by the sun.



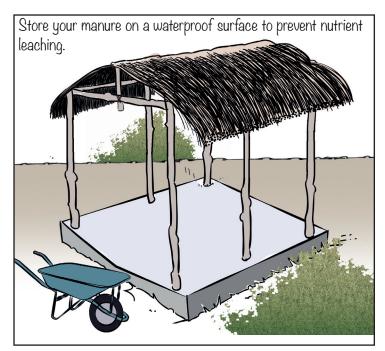
You can construct a simple roof over the manure heap, such as the one shown here using low cost and locally available materials.



If a roof is not practical for you, another way to protect the manure is by covering it with a plastic sheet or with banana leaves.



Any material that prevents the manure from getting wet and protects it from the sun can be used as a covering.



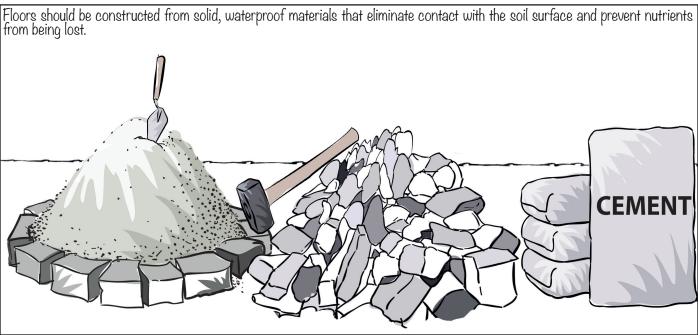
Roofs and coverings can already reduce the loss of nutrients from manure during storage.



But manure that is stored on top of bare soil can still lose nutrients through leaching of urine and water.

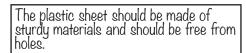


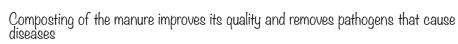
You can avoid this by constructing a floor beneath the manure heap.

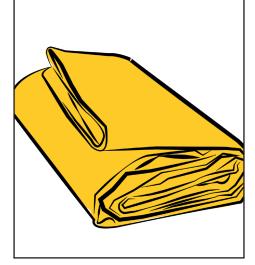


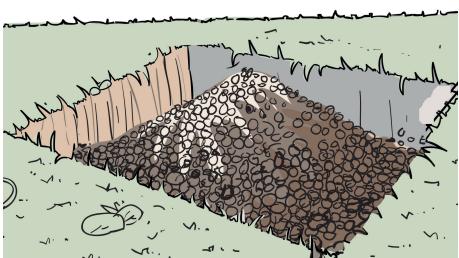
A good type of flooring is concrete, such as in the floor shown here, since concrete is very solid and will prevent any leaking of nutrients into the soil.





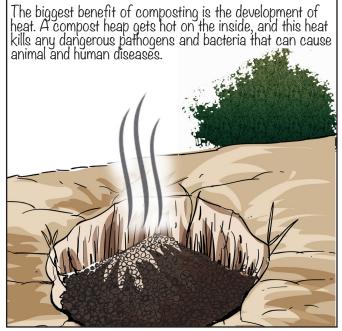




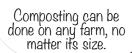


In addition to building a roof and water-proof floor, a very good way to improve manure quality and make it safe for use is active composting.



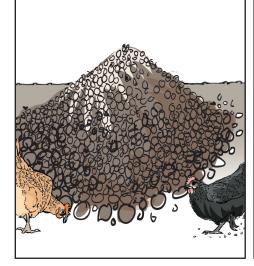






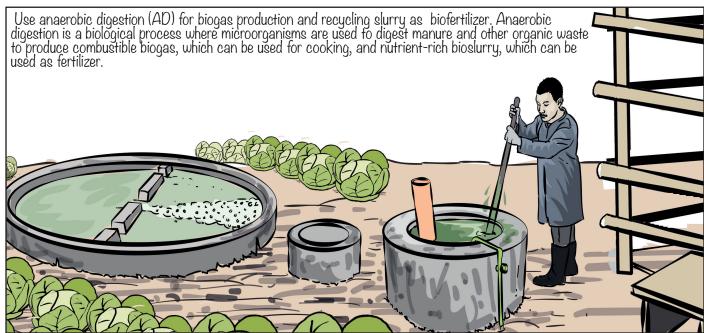


There are two common methods: The heap method, which is suitable for areas that receive a lot of rainfall...

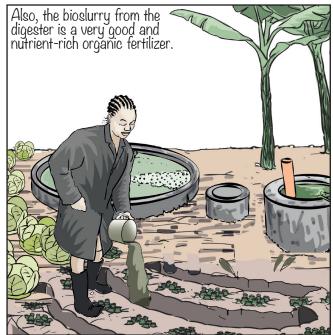


and the pit method, which is good for dry areas.

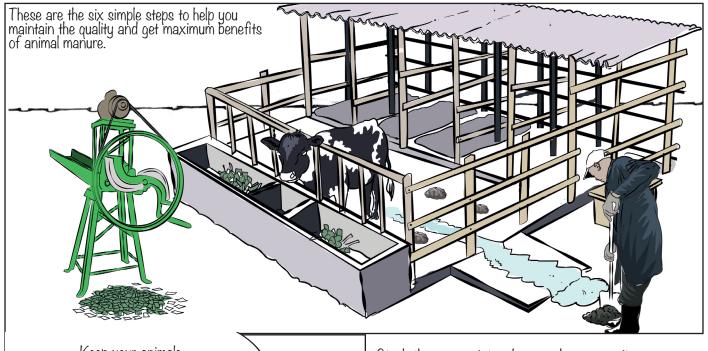






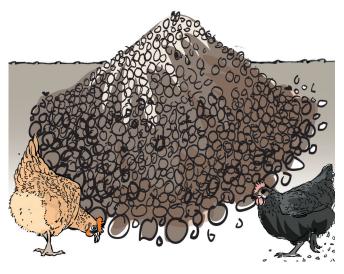


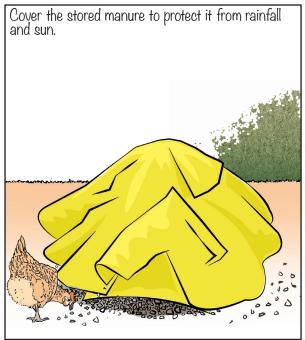
Recap





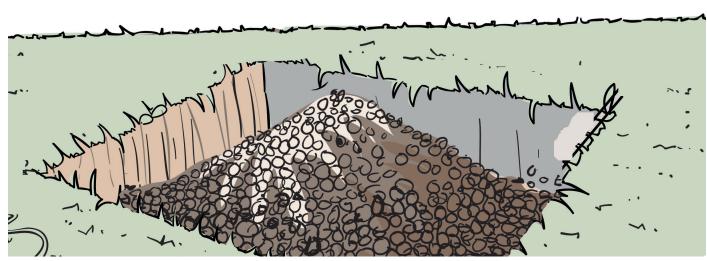


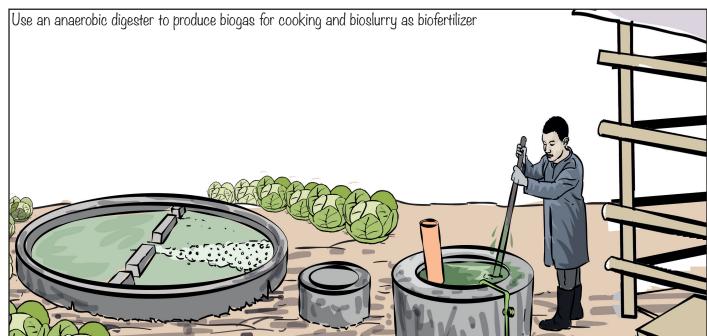






Compost your manure to improve the quality and make it safe





Simple manure management

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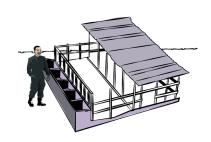
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