

Build a milking shed (Part 4)

In the previous edition of *Ubisi Mail*, we prepared the terrain and measured out a floor for a milking shed. We also planted the poles that will mark the outer limits of your milking shed. We will now prepare to cast a floor and put up the walls.

Cast a floor

First dig a manure canal against the back wall of the shed. The canal should be about 10 cm deep. Tamp it down firmly once you are done.

Concrete mix

We are going to cast a floor that is 100 mm (or 10 cm) thick. Start by mixing your concrete. The mixture is 1 : 3 : 6. This means that for every one measure of cement, you will use 3 measures of sand and 6 measures of stone (20 mm stone). Use:

- 4,6 bags of cement.
- 0,8 m³ (cubic metres) of sand.
- 0,75 m³ of stone.
- 159 litres of water.

Wet the floor surface before laying the concrete. Start by making concrete heaps of 10 cm high above the floor around all the planted poles, in order to keep any water off the poles. Cast the concrete in sections and level it out properly. The surface should, however, not be smooth, as the cows may slip on the smooth surface. Make grooves in the cement using a rake, just before the cement starts to dry completely.

Put up the walls

Attach cross-beams between the poles. These cross-beams are necessary so that the reeds can be packed against them, before being secured to the poles. Nail the beams into the poles at a height of 0,3 metres and 1,4 metres from the floor level. Pack the reeds against the cross-beams and plait the reeds onto the beams with rope.

Be sure to treat the bottom 3 cm of the reeds with creosote. This will prevent termites from eating the reeds. Do this by dipping them into creosote before plaiting them onto the cross-beams. If you do not want reed walls, you can use galvanised iron, clay or bricks to erect walls.

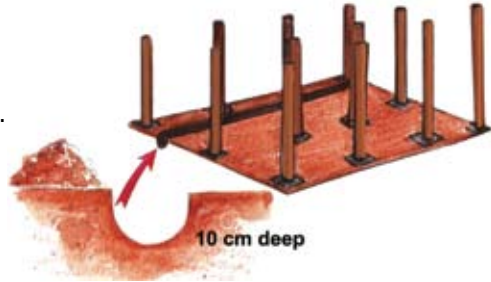
In the next edition we will put a roof onto our shed and build the milking crates.

(Source: *Small-scale milking shed*, Jordaan & Lindeque, Agricultural Research Council, 2000. For more information, phone them on 012 842 4000). [UM](#)

Build a milking shed (Part 4)

Cast the floor

1. Dig a manure canal against the back wall.
2. Mix the concrete. | 3. Wet the floor surface.
4. Make concrete heaps around the planted poles.
5. Cast the concrete in sections and level it out.
6. Make grooves in the cement using a rake.



Reeds

- Nail crossbeams into the poles.
- Plait the reeds onto the beams with rope.
- Treat the bottom 3 cm of the reeds with creosote to prevent termite damage.

Bou 'n melkstal (Deel 4)

Gooi die vloer

1. Grawe 'n misafloop langs die agterste muur af.
2. Meng die beton.
3. Maak die vloeroppervlak nat.
4. Maak betonhopies om die pale wat geplant is.
5. Gooi die beton in seksies en maak dit gelyk.
6. Gebruik 'n hark om groewe in die sement te maak.



Riete

- Spyker die dwarslatte in die pale was. | • Vleg die riete met tou aan die pale vas.
- Behandel die onderste 3 cm van die riete met kreosoot, om termietskade te voorkom.

Yakha ishedhi yokusengela (Isahluko 4)

Yenza umgangatho ngesinyithi

1. Yomba umjelokazi womgquba chaseneyo nodonga olungasemva.
2. Xuba iikhonkrithi.
3. Manzisa umphezulu womgangatho.
4. Yenza iifumba zekhonkrithi ngakwipali ezityaliweyo.



5. Sasaza ikhonkrithi kumacandelo yaye uyilevelishe.
6. Yenza imigca kwisamente usebenzisa iharika.

lingcongolo

- Bethela imiqadi enqamlezayo kwiipali.
- Yophotha iingcongolo kwimiqadi ngeepali.
- Nyanga umzantsi ozisentimitha ezintathu zeengcongolo ngetela esetyenziswa ekuqabeni iipali ukuze zingaboli.



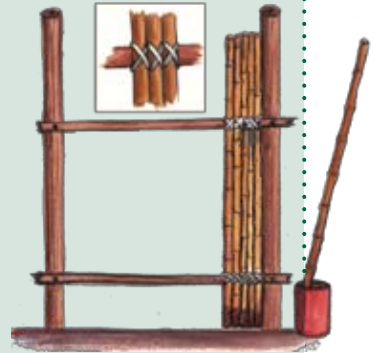
Yakha indawo yokusenga (Ingxenye 4)

Ukuthela phansi

1. Yimba umsele womquba obheke odongeni olungemuva.
2. Xova ukhonkolo. | 3. Manzisa phansi.
4. Yenza izingqumbi zikakhonkolo zizungeze izigxobo ezifakiwe.
5. Thela ukhonkolo ngezingqumbi bese uwendlala kahle.
6. Yenza izikhoxe kusimende usebenzisa ihhala.

Imihlanga

- Shayela imishayo evundlile ngezikipili ezixotsheni.
- Bophela imihlanga emishayweni ngentambo.
- Faka uwoyela onsundu endaweni engasentimitha amathathu ngaphansi kwemihlanga ukuze uvimbele ukudliwa umuhlwa.



Haha mokgoro oo ho hamelwang ho oona (Karolo 4)

Akgela fuluru

1. Tjheka motjha wa manyolo ho bapa le lemora la lebota.
2. Kopanya konkreti. | 3. Kolobetsa fuluru kahodimo.
4. Etsa diqubu tsa konkreti ho potolloha dipale tse tsetetsweng.
5. Akgela konkreti ka mekgahlalo ebe wa e ala.
6. Etsa melana samenteng o sebedisa haraka.

Mahlaka

- Kokotela mafito dipaleng.
- Loha mahlaka o etse mafito ka kgwele.
- Tlotsa 3 cm e tlase ya mahlaka ka creosote ho qoba ho jewa ke mafome. 