

Weeding using work animals



Ridging potatoes using work animals

This can be done using a Ridger or ox-plough

Pre-requisites of ridging using ox drawn ridger

- Well trained animals
- Right length of yoke
- Well prepared field
- Good and right ridging implement

Planting using work animals

This is done using a ripper attached to ox-plough frame or using a direct seeder/planter

Planting with a ripper planter is faster and efficient, higher yields are generally achieved than the hand system.



Pre-requests for planting using ox-drawn planters are:

- Field should be properly ploughed and harrowed
- Work animals should be properly trained
- Right length of yoke should be used
- Good and right planting equipment.

Proper use of oxen

- Brings money
- Reduces drudgery
- Reduces poverty
- Gives women time for leisure & other activities (away from weeding)

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Animal traction as appropriate labour saving technologies for small household farmers



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Animal traction

Animal traction means using animals to do farm work. Work animals include; cattle, horses, donkeys, camels, buffaloes, and elephants among others.

Work animals can perform the following tasks;

- Ploughing / land opening
- Weeding crops planted in lines
- Ridging potatoes
- Planting of crops
- Harrowing
- Transportation using ox-cart
- Harvesting/uplifting ground nuts
- Running stationary objects such as threshers, water pumps etc



Advantages of using animal traction technologies

- Animal traction technologies are affordable to small scale farmers (cheap)
- Animal traction technologies are environmentally friendly (does not cause pollution to the environment)
- The Adoption of animal traction technology can reduce drudgery and intensify agriculture production among small scale holder farmers
- It is appropriate and contextually relevant to small-scale farmers considering that they comprise the majority of the farmers in the world

Prerequisites for proper ploughing using oxen.

- Suitable/selected animals
- Trained animals
- Trained operators
- Well prepared field
- Implement on good working condition.



Ploughing/land opening using oxen



Weeding using work animals Pre-requisites to weeding using animals

Crops should be planted in standard and recommended straight rows

- Timing for weeding should be right
- Right length of yoke
- Trained oxen/animals
- Animals should be fitted with mouth guards
- Should have a good and right weeding implement