

A 10 acre farm

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Resources

- Sunlight
- Rainfall
- Soil
- Green cover
- Live stock
- Family labour

To retrace our steps bear in mind

Natures dictates and confirm to her imperious demand

1. For the return of all wastes to the land
2. For the mixture of animal and vegetable existence
3. For the maintaining of an adequate reserve of feeding the plant (Biodiversity)

Characteristics of natures farming

Mother earth never attempts to farm without live stock

- Raises mixed crops-Biodiversity
- Preserves the soil-no soil erosion
- Process of growth and decay balance one another-mixed animal and vegetable converted to humus-no waste
- Greatest care is taken to store the rainfall-Effective rainfall

Why farm

- Real Water
- Real Food and fibre
- Good association -Subhasitam

Food for livestock (Cows)

- It should all be grown in this land itself
 - Grass
 - Crop and crop residues.
 - Water

Strategy

- Rain fed agriculture
- Soil is the biggest reservoir of water-Effective rainfall
- Harvesting Rainfall,sunlight,Dung and urine
- Increase in productivity by Fertility farming-
 - Water cycle
 - Mineral cycle
 - Energy flow
 - Community dynamics

- Planned grazing
- Using local breeds of livestock
- Keeping cows in the farming land during non growing season

Sustainable Agriculture:

1. Reduces inputs.
2. health.
3. Strengthens rural and urban communities.
4. Produces viable farm income.
5. Promotes healthy family and social values.
6. Brings the consumer back into agriculture. Uses ecological pest and weed management
7. strategies.
8. Cycles nutrients back into the soil for fertility

Stocking rate

- The no of animals to be kept in the farm
 - Without inputs from outside
 - If there is a programme for donation of excess ,only then can cows be kept, otherwise only bulls shall be kept
 - Considering there is only one spell of rain and hence only one growing season.

Stocking rate

- A 400 kg bull is allotted 50- 75 sqm of grass land per day for grazing initially (1/3 rd of grass)
- Thumb rule of 2.5 acres per cow
 - 2-4 bulls can be kept initially
 - As the productivity of the land is understood /increased more can be kept

Stocking rate

- A 200 kg bull (Dwarf)is allotted 25- 40 sqm of grass land per day for grazing initially (1/3 rd of grass)
- Thumb rule of 1.25 acres/cow
 - 4-8 bulls can be kept initially
 - As the productivity of the land is understood /increased more can be kept

Crops –Grass,perinneal trees,Annual crops

- 6 month grazing plot is reserved for grazing
 - will need 5-7 acres
 - Perennial trees shall be planted at > 30 ft gaps and in the space in between they shall be grazed
 - In Remaining land also trees shall be there and in the space in between annual crops shall be grown

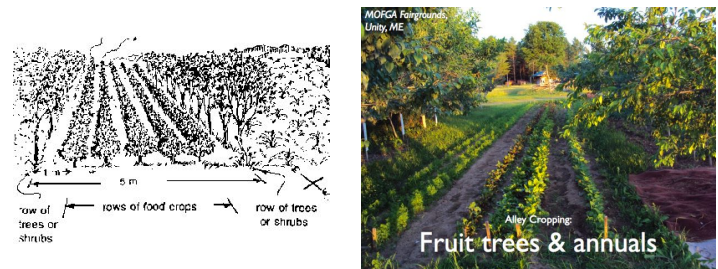
Agroforestry

- It is an efficient,integrated and sustainable land use system that combines Agricultural crops,Forest crops and or Livestock together on the unit of farmland at the same time or sequential manner
- Here there are both ecological and environmental interactions between the various components

Agroforestry



Alley farming





Silvopastures



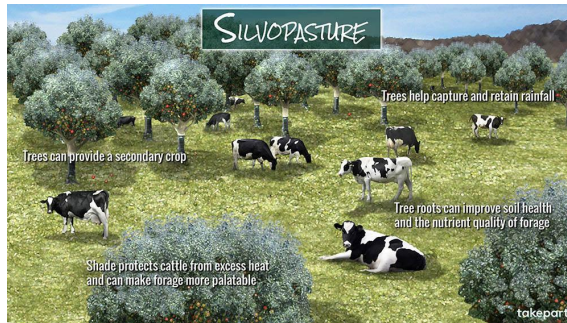
Our Goal Is To Have Something Living on the Soil
Year Around and For There To Be Diversity



Bradford Research Center
University of Missouri

Pasture cropping





- 6 months of planned grazing
- Remaining 6 month on dry grass, crop and crop residues

Cycling nutrients



Protecting the young trees



Planned grazing



Animal Treated Crop Field

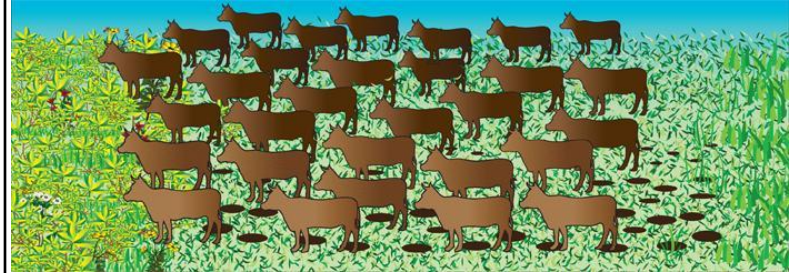


Grazing and pasture management

- At the right place
- At the right time
- For the right reason



Stocking density



But this model is only for those

Whose goal in life is to be a part of the whole

Who understood that there is no competition in nature

Who understood there is only collaboration
/Co-operation in nature

Thank you

- For the Opportunity
- For patient hearing
- For being a part of the campaign to integrate cows in farming
- To remove the cows from a present status of welfare recipients
- To the status for real life and food providers
- To help cows to perform their Functions