AGRICULTURAL INNOVATION

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INNOVATION

- The Key to improving production sustainability and resilience in food and Agriculture.
- This sector is expected to provide healthy, safe and nutritious food for humans and animals.
- Agriculture provided the foundation od civilisation and modern innovations could help save it.
- Monoculture: degrades the land, reduces indigenous resilience and diversity and requires a lot of fuels.

INNOVATION IN CROP PRODUCTION

- Algorithmic Agriculture
- Permaculture
- Farming with Fungus (mushrooms, fight cancer, treat depressions, use mycelia to endure drought)
- Urban Farming (Kitchen Gardens, Vertical farms, Hydroponics, backyard farming)

INNOVATION WITH LIVESTOCK

- Aquaponics
- Waste manangement
- Maggot culture/BSF
- Vermiculture (Pesticide and fertilizer)
- Biogas
- Slurry use as fertilizer.

One Acre Unlimited

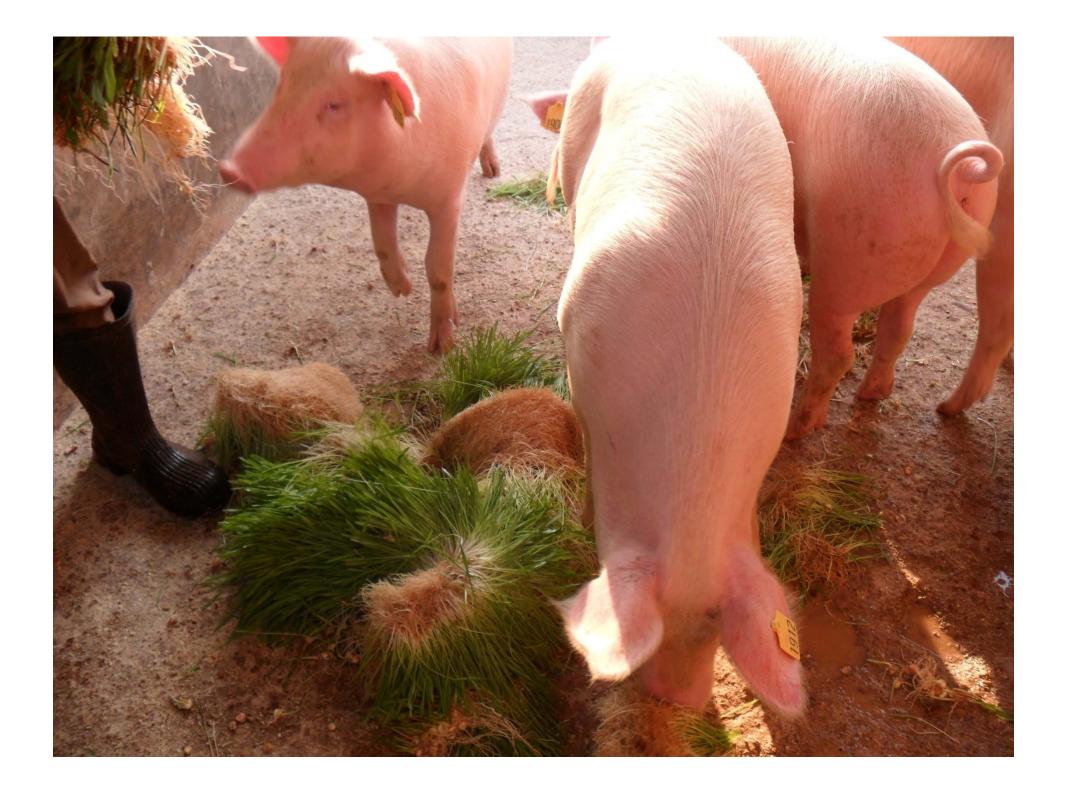
- 25 decimals Pigs
- 25 Decimals Cattle
- 25 decimalsMatooke
- 25 decimals Fish (10 decimals) vegetables and fruits

1st Quarter

Piggery

- Dung
- Urea/manure
- Maggots (feed for fish and chickens)
- Pestcide from vermiliquid
- Biogas
- Pork

















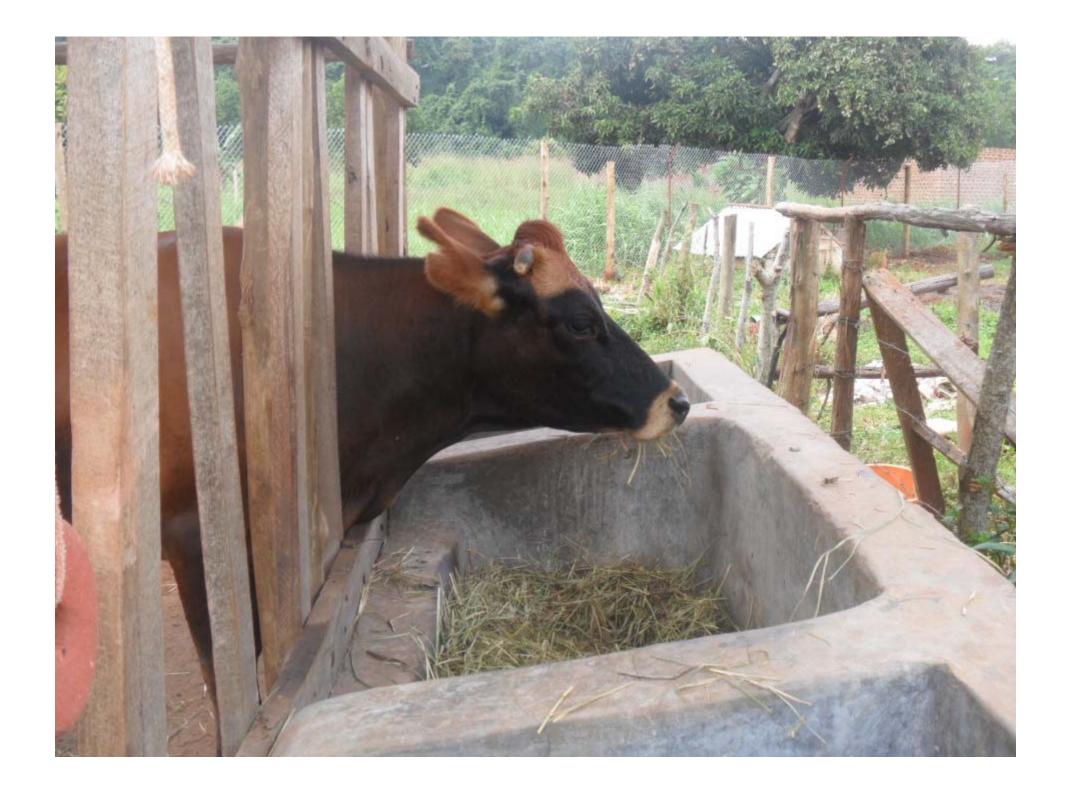






2nd Quarter

- 10 -15 zero grazed cows on 10 decimals (if each gives 20 liters, sold @ \$0.8/l = \$160per day =
 - \$4,800per month; \$48,800 per year
- Can feed a cow using only 1 sq meters by planting maize for silage
- 1 stover can yield 0.5 1kg of fodder
- 9 stovers are planted in 1 sq meter















THANK YOU