Small Scale Storage of Horticultural Crops in Bangladesh

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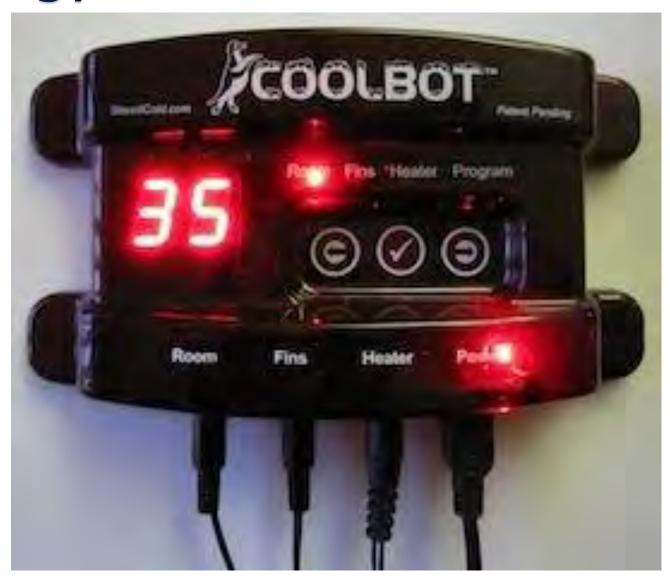
Objective



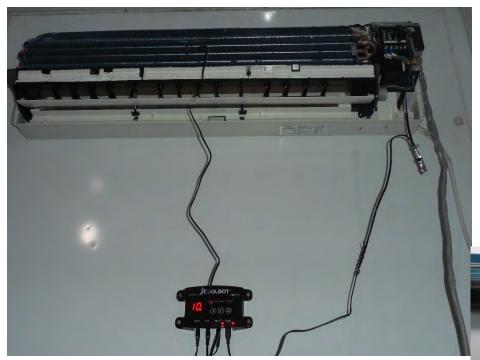




Strategy



Coolbot Installation



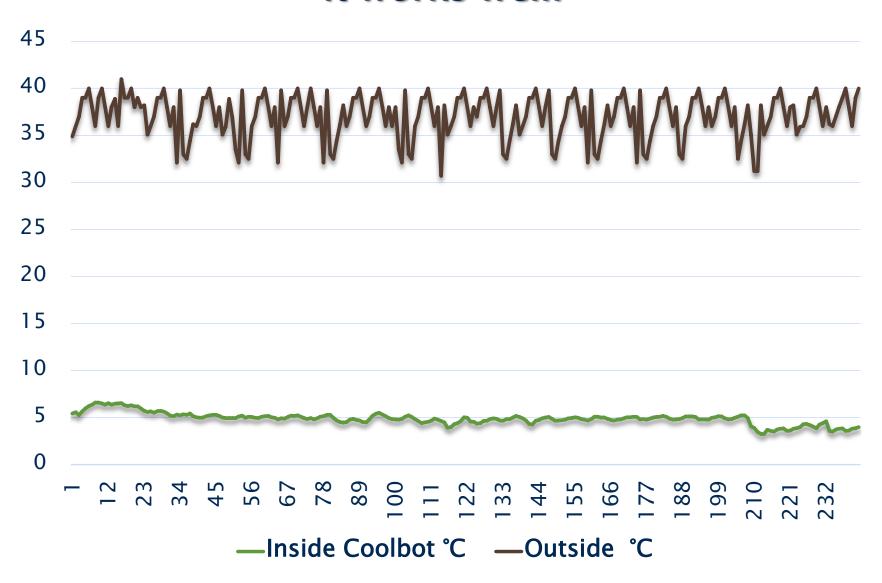


CoolBot room construction: Jhikargacha





It works well!



Issues

Time

Cost

Electricit



Solar power cool storage





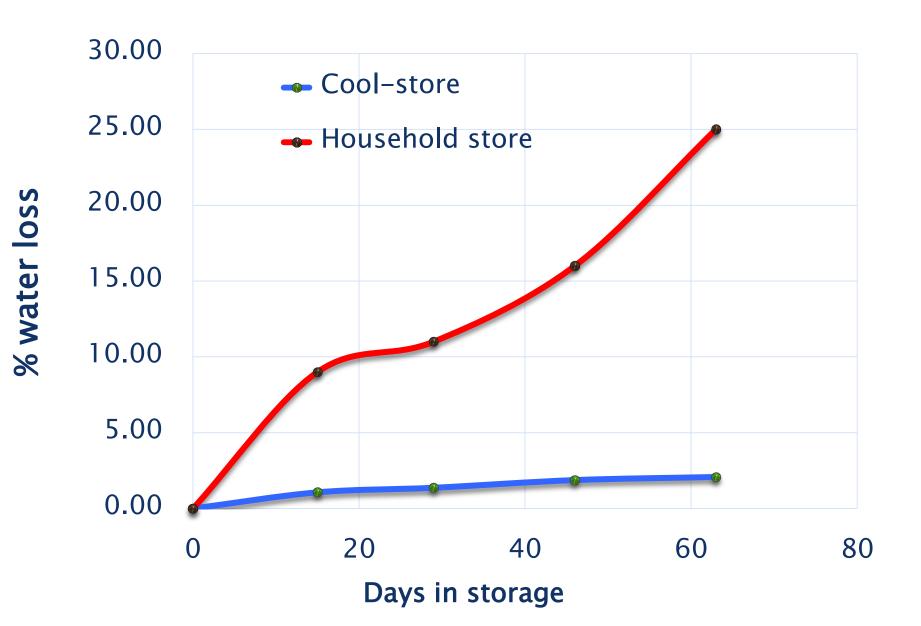
Storage experiments



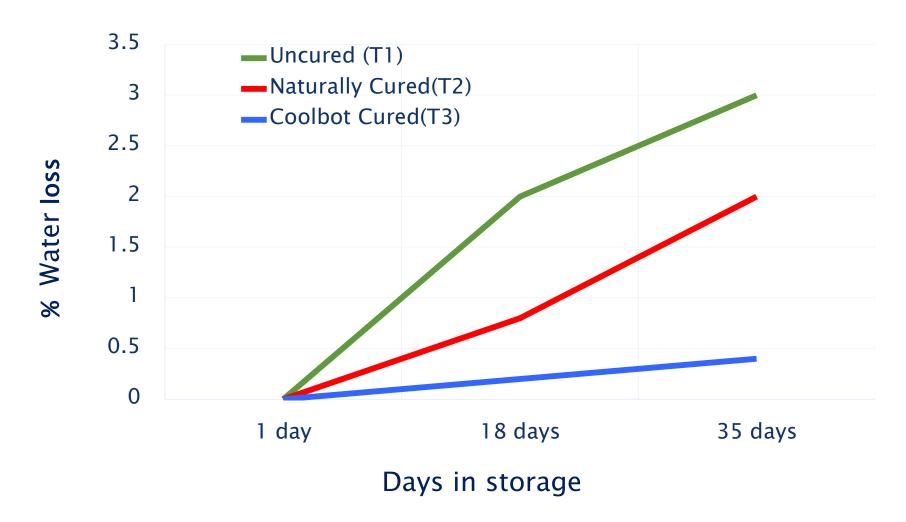




Water loss during storage



Effect of curing



Potato storage

Household storage, 3 months

Coolbot Storage, 3 months





Sweet potato storage

CoolBot stored for five months



Ambient Stored



Vegetable storage

CoolBot stored tomatoes 9 days



Ambient stored tomatoes 9 days



Can storage increase income?



Data sources



Cost Analysis

- Capital cost \$9500
 - \$160/month
 - 2 cents/kg/month
- Running cost-\$100/month
 - 1.25 cents/kg/month

Profit analysis

- Carrots stored for 3 months
- Gross profit 30 cents/kg
- Net profit 27 cents/kg
- OR \$2,160 for 8 tonnes

Storage Calendar:

Crop. Name:	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Tomato												
Cucumber												
Egg plant												
Bitter gourd												
Green Chili												
Yard Long bean												
Lemon/citrus												
Pumpkin												
Carrot												
Seed potato												
Ware Potato												
Sweet potato												
Pea												
Mango(Fazli)												
Pineapple												
Litchi												
Jack Fruit												
Gladiolus												

Questions?





