

**HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM  
MTSPGR**

# **Hydroponic Fodder Production Room**

**With 7 inch Touch Screen Controller**

**Best Fodder for**  
**Buffalo**  
**Goats**  
**Chicken**



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### SPECIFICATIONS FOR MEDITECH SERIES HYDROPONIC SPROUTING UNIT



Model	MTSPGR25	MTSPGR50	MTSPGR100	MTSPGR250	MTSPGR500
Sprout tray	16	32	64	160	300
Daily Output	25 kg	50 kg	100 kg	250 kg	500 kg
Production capacity	1kg seeds can get about 7-12kg fodder.				
Temperature	18 to 35 Degrees				



## **HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR**

Meditech is the largest manufacturer and exporter of **HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM** in India. Meditech **HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM** is used for seed germination, seed development and seed storage. These are special chambers which can maintain temperature, humidity, lights and CO2 levels.

### Features of Chamber

- (1) These are designed exclusively for seed germination and seed storage and other research applications.
- (2) parameters such as Temperature, Light, humidity (optional) and CO2 (optional) can be controlled.
- (3) Touch Screen Controlled LED Controller with 12 types of alarms, RTC, Date and Calendar and data logging options
- (4) Program can be set in real and elapsed time.
- (5) Ramping mode is available for experiments
- (6) Multi profiles can be linked to create complex programs
- (7) SAIFIN program allows Seed Storage Chamber to access remotely.
- (8) Fluorescent Lamps are mounted on each Shelf vertically.
- (9) Programming is done using 7 Inch Touch screen controller

### Airflow and circulation

- (1) Air is circulated horizontally throughout the chamber to maintain the desired temperature, humidity and CO2 levels.

### Cabinet construction

- (1) Interior is constructed using 22-gauge 304 stainless steel.
- (2) Exterior is constructed using 18-gauge bacteria resistant powder coated CRCA aircraft steel
- (3) The Seed germination Chamber is completely self contained
- (4) The Thickness of cabinet is 3" (75 mm)
- (5) Two 2" diameter access ports are provided on Right side wall of the cabinet.
- (6) The Chamber floor is designed for drain which eventually end in a hose assembly.
- (7) The Chamber is supported with 4 castor wheels on with height adjustment facility.

### Insulation

- (1) The chamber is insulated using high density CFC free PUFF insulation.

### Door

- (1) A single door provides full access to the chamber interior.
- (2) Gaskets with Magnetic strips provides a tight seal to door.

### Refrigeration

- (1) The chamber is fitted with air-cooled refrigeration unit.
- (2) The refrigeration system allows easy access for maintenance and cleaning










### Temperature range

- (1) 18°C to 35°C
- (2) Temperature controls, audible alarms, and visual indicators provided
- (3) Safety emergency Controls will shut down all the power to the chamber, and activates the alarms.

## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### Screen Shots of Touch Screen Controller



<div>  16/02/15           <div>PARAMETERS</div> <div>  17:50:31           </div> </div>					
DESCRIPTION	VALUE	UNIT	DESCRIPTION	VALUE	UNIT
Heater On Time	±99999	Min			
Temp Set RTD1	±9999.9	°C			
Temp Set RTD2	±9999.9	°C			
Comp. Sel.	Comp1				
Comp 1 Time	±9999.9	Min			
Comp 2 Time	±9999.9	Min			
<div>        MENU           </div>					



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR



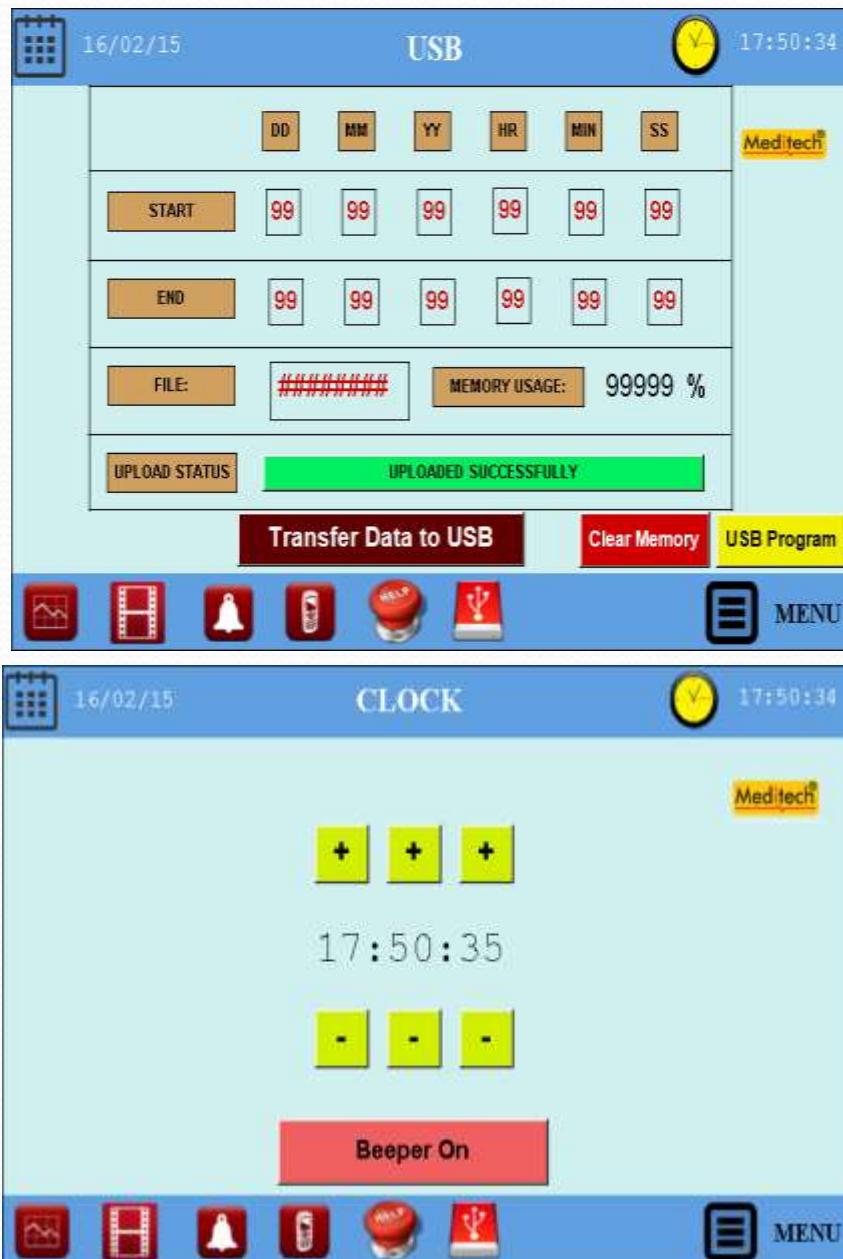
### Screen Shots of Touch Screen Controller

[illegible]



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### Screen Shots of Touch Screen Controller



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### PROCEDURE FOR SPROUTING

#### STEP 1



- Solak Barley / Wheat / Corn /
- Wash The barley thoroughly in the running water
- Add Clorox (hydrogen peroxide)
- Stir well for 5 to 10 minutes
- Wash the Barley with running water again



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### PROCEDURE FOR SPROUTING

#### STEP 2



**CHANGE THE WATER  
AND  
LEAVE IT FOR 12 HOURS**

- Once water is changed, rinse thoroughly
- Keep the barley in the dark place for 12 hours

## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### PROCEDURE FOR SPROUTING

#### STEP 3



**PUT BARLEY IN THE TRAY**  
**Maximum – 1 Kg per tray**

- Put The Barley in the given tray
- Approx 1 kg per tray or until the tray is fully covered



## HYDROPONIC SPROUT GERMINATION PRODUCTION ROOM MTSPGR

### PROCEDURE FOR SPROUTING

#### STEP 4



- This is Meditech World Class spraying system
- Water timing can be adjusted in Touch screen controller

## STEP 5

## PROCEDURE FOR SPROUTING

