



“Innovation is experience, not just about new products”

ANTI GRAVITY – FARMING SYSTEM

ANY PLANT - ANY WHERE – ANY SEASON
FARMING

Measure, Acquire, Analyze, Optimize &
Improve Performance





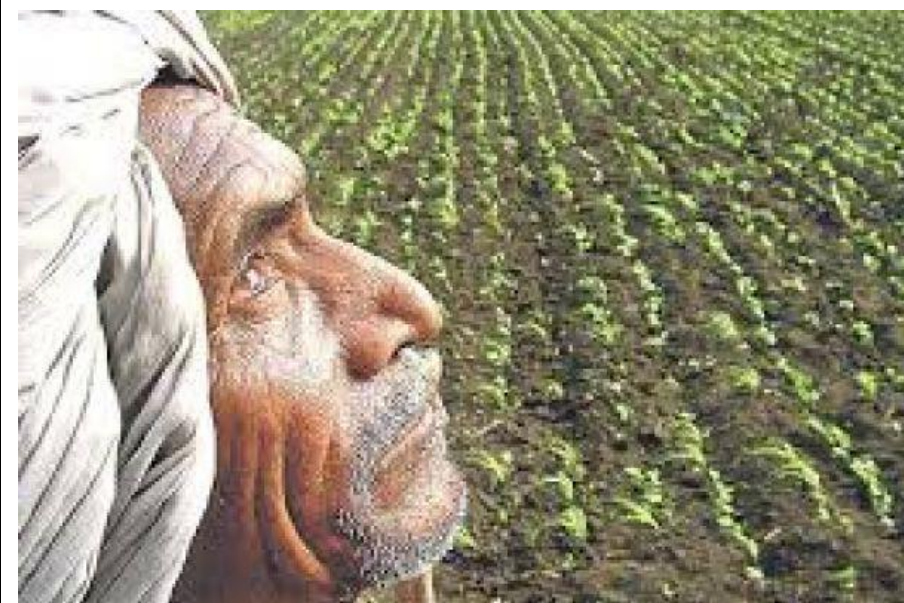
Farmer Present Problems

- Always in the mercy of rain God
- Water available through out the year is not uniform
- Most of the time drought situation
- Farmer not able to get good price for their harvest in seasonal time – most of the time they are not able to recover their seed cost.
- Only seasonal type/variety of plant growth is possible
- During season farming air borne bacteria and other insect attack will totally reduce the yield
- Farmer wait for more number of days to harvest their plant.
- In season farming – yield is affected by external climatic conditions , high environment temperature, velocity of air, cold freeze, rain, flooding and insect attack, etc.
- Due to flooding and rain, fertilizer / pesticide effectiveness is reduced and water seepage in larger depth or adjacent pond damaging the environment and water pollution
- High water consumption, growth is very slow.
- Mainly depending on the rain, due to global warming – seasonal rain pattern also changes.
- The current technology is not reaching the farmer to improve their livelihood

- ❖ Consumes only 2% water compared with conventional method
- ❖ Plant grow period will decrease 1/3
- ❖ Plant Yield will increase 3 to 5 times

Proposed Solution

- Any plant - any where – any season farming
- More number of crop rotation compared with conventional system, more yield per year. Vertically stackable carousal – more yield per square feet.
- Plant grow period will decrease 1/3.
- Plant yield will increase 3 to 5 times
- Smint Anti Gravity Carousal – per watt electricity usage is negligent – “Net energy Zero”
- Number of plant node will increase – results in more flowers or more branches.
- Season we can create by adjusting the day light spectrum.
- Water usage is minimum (less than 1% of conventional flooded irrigation system.
- Effective utilization of Nutrients.
- Eliminate toxic chemicals, water pollutants, and other pesticide that 70% of conventionally grown fruits and vegetables contain up to 230 different pesticides or their breakdown products.
- Controlled atmosphere – less contamination, less infection
- Power the entire system with solar energy
- Automatic farming – less labour is sufficient
- Automatic pH level control
- Automatic Nutrient dosing control
- Automatic micro organism and pathogen elimination
- Automatic fresh makeup water balanching
- Automatic light source illumination control
- Automatic number of rotation adjustments





The system is designed to operate 24/7, 365 days a year, and can be stacked for the more serious home or professional grower.

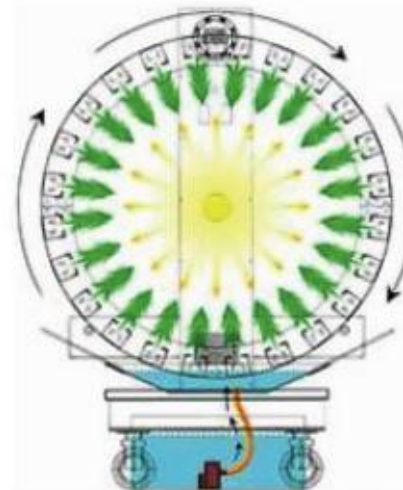
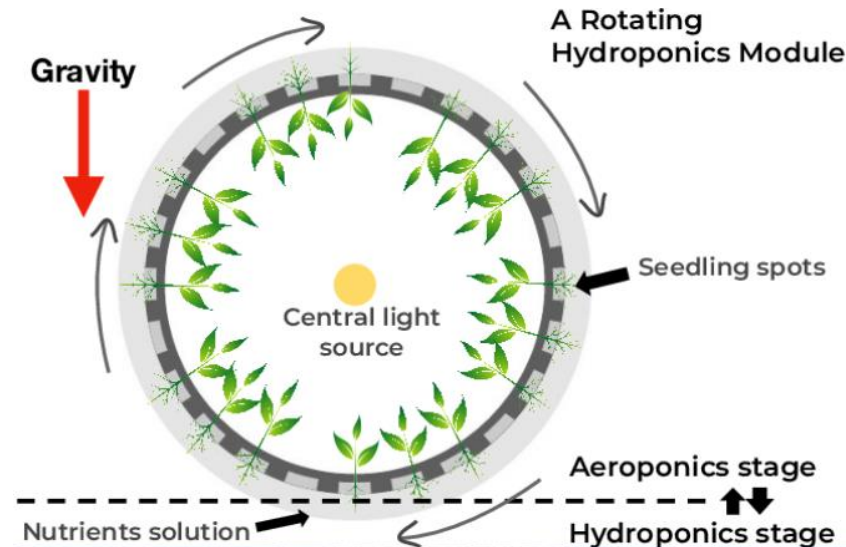
Establish small or bigger - Hydroponic farm and produce vegetables, herbs, flowers or other plants year round to consume at home or sell at farmers markets, restaurants or even to neighbors.

Solar PV Module, Solar Charge Controller, LiFePO4 battery back-up ensures the round the clock power back-up

Urban Farming reduces transportation, packaging, spoilage, pollution, water, soil erosion usage and contamination. It also reduces or eliminates the use of chemical fertilizers and preservatives.

Urban Farming has many key benefits: higher food quality, a sustainable local economy, job opportunities, increased food security, more control of food production, creating more sustainable cities, community building and economic diversification

The clean technology "Smint" aims to change the farming paradigm and address critical world issues of water shortages, usable land for growing, energy conservation, and employment within the food industry with a single green technology.



Automatic Rotation Monitoring and Control

Day Light Spectrum LED Light

Automatic bowl water level management

Automatic Nutrient Management

Automatic Makeup water management

Automatic water pH management

Automatic Makeup water management

