

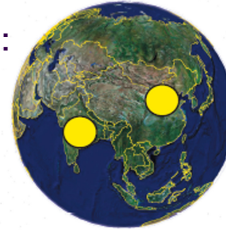


For over 1 billion farmers worldwide, a bucket is their only means of irrigation...



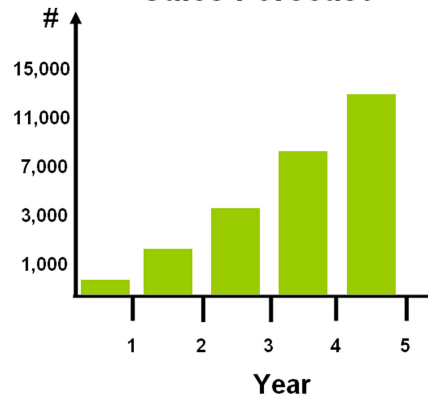
Potential pump sales in target markets:

- Eastern India: 10,000,000
- China: 7,000,000



With an initial investment of \$250,000, the IrriGator will become the basis of a self-sustaining non-profit organization.

### Sales Forecast



Team Purple is: Steve Amanti, Emil Cuevas, Sam Felton, Margaret Gentile, Chris Grossman, Deanna Lentz, Dean Ljubicic, Charles Louison, Jim Otten, Jessica Rabl, Chris Rhodes, Chris Rivest, Mika Tomczak

Special thanks to: Joe Cronin, Dick Fenner, Bob Gertsen, Steve Haberek, Samir Nayfeh, Bob Nuttal, Doug Vincent, Dave Wallace



Team Purple Presents:

# THE IrriGator



A new portable and affordable water pump to meet the needs of subsistence farmers around the globe.

Millions of farmers have expressed a need for ways to improve their crop yield.

- Most current methods can irrigate only up to 1/4 of an acre.
- Insufficient irrigation is a major cause of food shortages in many Asian and African countries.

Demand for low-cost, human-powered water pumps are high.

- The IrriGator effectively irrigates up to 2 acres of land.
- Improved irrigation means farmers in poor communities can increase the revenue from their land as much as tenfold.

The IrriGator addresses this need, providing a realistic and affordable irrigation solution for subsistence farmers around the world.



Features of the IrriGator:

- Max flow rate of 1.25L/sec.
- Max pumping head of 10m.
- Max draw depth of 7m.
- Effectively irrigates up to 2 acres of land.

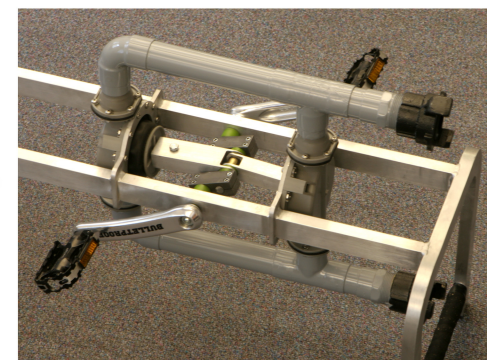


The IrriGator meets or beats similar pumps in both ease of use and cost.

- Recumbent seat for ease of use.
- Designed with cultures of prospective buyers in mind.
- Diaphragm pumps are cheap, reliable and easy to maintain.
- Seat is easily adjustable for people of different sizes.
- Manufacturing cost of only \$125.
- Entire pump assembly is light enough to be carried by one individual.
- Wheels allow pump to be pushed over rough terrain.



Comfortable, contoured seat and recumbent design allow pump to be used for several hours at time without user discomfort.



Ergonomic pump mechanism allows for steady pumping with minimal effort. Low-tolerance diaphragm pumps can take the daily abuse of farm life.