

Product Comparison



**DRIP – A PRECISION IRRIGATION SYSTEM FOR
DEVELOPING NATIONS**

Other Systems

The following explains two key systems currently implemented around the world that solves the problems presented above, while also highlighting how Drip is a better option for developing nation's farmers.

CropX

CropX is a San Francisco based start-up that has also created a precision agriculture system, more geared towards a farmer in the United States. The system uses three sensors positioned periodically throughout the field based on what they recommend on their dashboard. Once each sensor is connected to their database, they use artificial intelligence to map out what the soil moisture is like through the field.

Each sensor costs about US\$600, which most farmers in the developing world cannot afford. Likewise, they do not have the sufficient data for their system to work anywhere except for the United States.

Ideo.org

Ideo.org began the development of a wide variety of precision agriculture products and services targeted at developing world farmers in Myanmar. One of their products is called the Irrigation Stick, an Arduino based sensor that measures the moisture value of the soil. The Irrigation Stick uses a visual communication technique of showing a range of colors based on the moisture value. The farmer can then cross reference that color with a notepad that they have to identify the need for soil irrigation.

This system is merely limited to Betel Leaves, yet is extremely affordable for a developing world farmer. Likewise, all data is relayed locally and has no connection to any online databases or dashboards.