

MoneyMaker: Low-cost irrigation pumps

Low-cost irrigation technologies for increasing incomes for smallholder farmers.



KickStart International Inc.
Alan Spybey

MoneyMaker offers a range of irrigation pumps suitable for small plots in sub-Saharan Africa, including the MoneyMaker Hip, Starter, and Max, with varying flow rates and capacities. These non-motorized pumps are compact and designed to support small-scale farmers in transitioning from rain-fed farming.

This technology is **validated**.

9·7
 Scaling readiness: idea maturity 9/9; level of use 7/9

Commodities
Pepper, Tomato, Onions, Okra

Sustainable Development Goals

2 ZERO HUNGER

8 DECENT WORK AND ECONOMIC GROWTH

13 CLIMATE ACTION

Inclusion assessment **3**

Climate impact **7**

Categories
Production, Equipment, Irrigation

Problem

- Water scarcity affecting crop irrigation in small farms
- Challenges with manual and labor-intensive irrigation methods
- Financial barriers hindering adoption of modern irrigation technologies

Solution

- MoneyMaker irrigation pumps mitigate water scarcity by providing reliable water sources.
- They replace manual and labor-intensive methods, offering efficiency.
- Cost-effective solutions like the Starter Pump enable transition to sustainable practices.

Tested/adopted in

Key points to design your program

MoneyMaker Low-Cost Irrigation Pumps improve agricultural productivity by providing affordable irrigation solutions that reduce dependence on rainfall, lower irrigation costs, and replace labor-intensive manual water lifting. Suitable for food security, poverty reduction, climate adaptation, and smallholder irrigation development programmes, the technology contributes to **SDGs 2 (Zero Hunger), 8 (Decent Work and Economic Growth), and 13 (Climate Action)** while expanding year-round production and creating new opportunities for women, youth, and smallholder farmers. To successfully integrate this technology, consider the following key actions :

- Identify priority irrigation zones where limited access to affordable irrigation constrains crop productivity and household incomes.
- Establish partnerships with KickStart International, farmer organizations, extension services, irrigation service providers, local distributors, and financial institutions to support technology dissemination, financing, and after-sales services.
- Facilitate access to irrigation technologies through credit, leasing, instalment payment options, and other affordable acquisition models while strengthening local distribution, maintenance, and technical support services.
- Train farmers and technicians on efficient pump operation, irrigation management, and climate-smart production practices, and monitor technology adoption, irrigated area, crop productivity, household income, and programme outcomes.

Where it can be used

This technology can be used in the colored agro-ecological zones.

Target groups
Farmers, Manufacturers

IP
 Open source / open access

