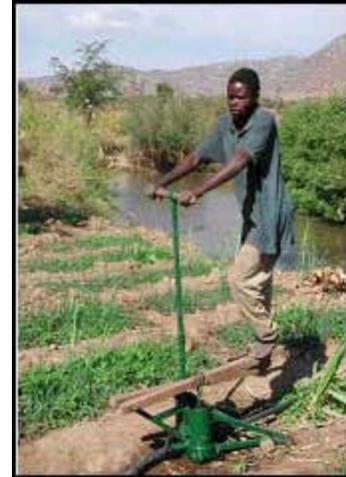




## Tanzania Small-Scale Irrigation Project

December 2001 — September 2005

Commercial production of vegetables in Tanzania is traditionally rain-fed, resulting in significant quantities of produce being marketed at the same time of the year at relatively low prices. Traditionally produced by women, having little time or means at their disposal to undertake such production, surface areas have tended to be small. On the other hand, the relative scarcity of marketable vegetables during the dry season results in high farm gate prices for these crops at this time of the year. Those gardeners who are able to produce vegetables during the dry season through irrigation are capable of earning considerable cash income from relatively small, irrigated surface areas. The availability of low cost, intermediate-scale irrigation equipment will allow these gardeners and newcomers to the sub-sector to more fully benefit from this opportunity.



As evidenced from other EnterpriseWorks' irrigation programs (Benin, Burkina Faso, Côte d'Ivoire, Mali, Niger, Senegal) the use of the treadle pump (called MKOMBOZI in Tanzania) and its superior water lifting capability has the potential to increase production considerably through greater irrigated surface areas, higher yields, and better quality produce.

The small-scale irrigation component of the EnterpriseWorks PRIME Project in Tanzania addresses the pressing need of Tanzanian farmers for water-lifting technology and accurate market information.

**Economic Participants**  
1,105

**Enterprises Assisted**  
51

**Total Monetary Benefits**  
\$553,009

**Cumulative TMB**  
(awaiting data)

**Project Budget**  
\$459,800

**Primary Funder**  
USAID/Tanzania

### OBJECTIVES

- To train approximately ten manufacturers in the production of the standard treadle pump.
- Promote the sale of 450 pumps.
- Test three alternative pumps suitable for small-scale irrigation.
- Test two types of tubewells suitable for shallow aquifers in Tanzania.

### PROGRESS REPORT

**Commercial systems established.** Working with local entrepreneurs partners, EnterpriseWorks/Tanzania and the PRIME project has established a commercial system for the manufacture, distribution and sale of MKOMBOZI pumps. There are now 7 manufacturers and 12 rural retailers producing and selling three types of treadle pumps.

**To date, 131 pumps have been sold** of a projected 125 pumps for the period, or 105 percent. EW/Tanzania has created the conditions necessary for successful development of small-scale irrigated vegetable farming and increased income for smallholder farmers. The PRIME project technical trainer and extension staff also work with manufacturers and farmers to ensure that pumps are being produced and installed properly. This combined with after-sales service and on-site pump demonstrations further help to ensure customers are receiving proper quality equipment.

**Marketing going well.** The MKOMBOZI Pump promotional campaign has primarily consisted of demonstrations, performed by project staff and manufacturers. As of the end of 2002, 309 of a proposed 100 demonstrations had been performed, or 309 percent. A total of 26,413 farmers attended these demonstrations and approximately 27 percent of attendees were female.