

TIPA - TURKANA GG1746320

Northwestern Kenya, a semi arid region

Rotary clubs and districts adopts:

- Agricultural family plots – “TIPA”
- Donations including the support of TRF.
- Objective - to cover 180 family plots (500 sqm p/p)
- Until 2016 about 85 family plots are established.



The solution:

- A low pressure drip irrigation system.
- Training agriculture as an alternative way of life.

Major advantages:

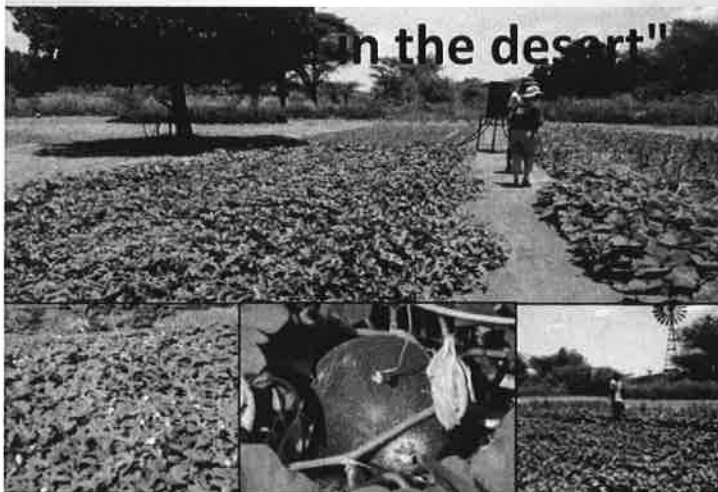
- TIPA produces vegetables around the year.
- Water saving and efficient use
- Labor saving
- Operational simplicity
- High yields and high product quality



“TIPA”

Low Pressure Drip Irrigation System

in the desert”



JOIN US!

Support by donating “TIPA” project

Submitted by RC Ramat Hasharon District 2490 Israel,
RC Muthaiga District 9212 Kenya.



Rotary Club of SAINT PAUL
the APOSTLE

Rotary



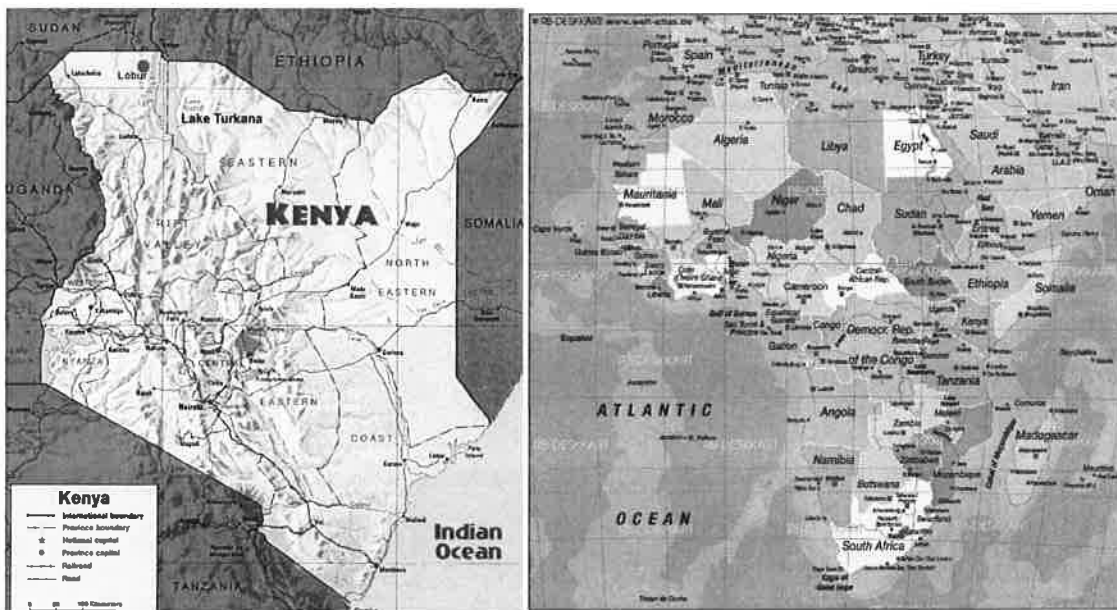
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"TIPA" – Desert Irrigation System (A part of project Furrows in the Desert (FID))

During my service as RI Director I spend a week in Turkana to investigate the project for the benefit of the people in this beautiful and most interesting part of the world. The needs are enormous. The Turkana land is seven hours drive from the nearest city in the northern part of the country and even unknown to many people in Kenya and abroad.

Background

Turkana is an arid desert region.



Africa agriculture is mostly a rain fed system producing staple crops during a short period of the year.

Low soil fertility, water shortage and alkalinity combined with frequent droughts result in very low yields. Revenues from rainfall staples are low. Past agricultural development projects in the region failed.

The result is poverty and food insecurity.

Irrigated vegetables is a means for poverty alleviation

Introduction of small-scale irrigated vegetables, based on the desert agricultural experience of Israeli experts, can bring relief to poverty within a very short period of time

However traditional methods of vegetables production are labor intensive and inefficient resulting in low profitability.



Hand irrigation with watering cans is the most popular technology. It is very labor intensive and hard on women who can irrigate only 25-50m² per day



Surface irrigation is limited to fine textured soils and flat surfaces. It results in huge water waste And soil compaction. It is also labor intensive.

Traditional vegetable gardens usually operate only during the cool dry months of the year

The solution

The best solution is a low pressure drips irrigation system.

The major advantages:

- TIPA will produce vegetables around the year.
- Water saving and efficient use
- Labor saving
- Operational simplicity

- High yields and high product quality
- Requires clean water, if not drips are clogged.



Low pressure drips irrigation system



Women at water source - Water collecting point

The Cluster system

Water is provided from single source, but producers have individual control over management, water and fertilizer in their plots

The Project

Our objective is to cover

Cultivate plots which are to be established during the program.





- A Rotary District that takes part in the project adopts families' plots of 500 square meters.
- The project includes water equipment, seeds, fertilizers, tools, etc.
- One agricultural family plot in the framework of "TIPA"(At the cost of \$2.250 for three years.

The potential locations for the project will be –

1. Turkana lake area – unlimited water quantity.



Operating Organizations

	"Brit Olam" stated in Tel Aviv, Israel.
	Arava center for sustainable development.
	Missionary Community of St. Paul stated at the Diocese of Lodwar, Kenya.
	TRF submitted by District 2490 Israel, and the Muthaiga Rotary Club District 9212, Kenya.

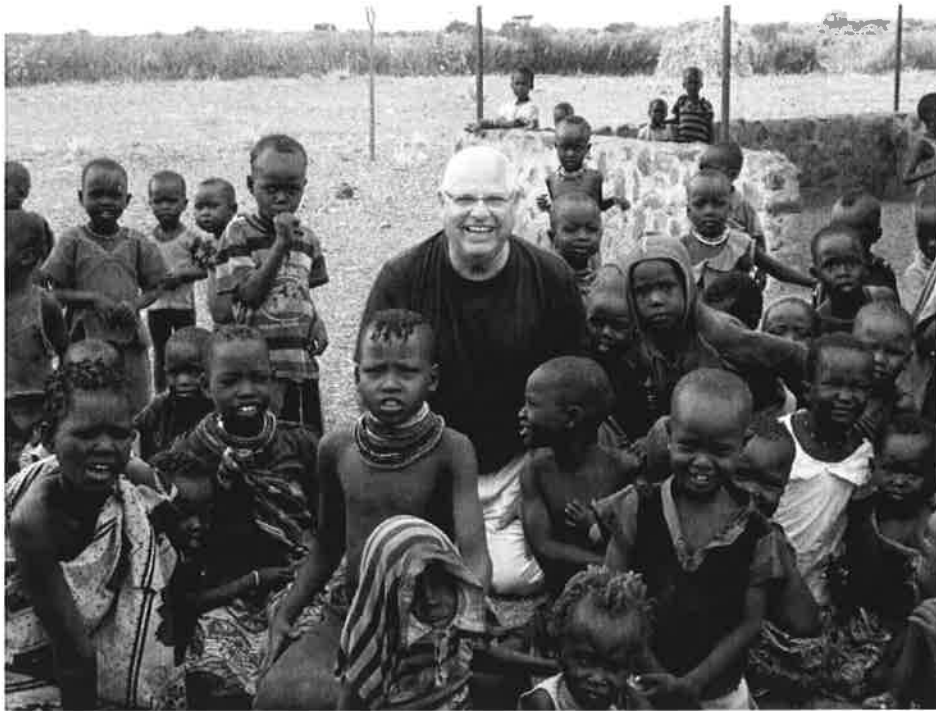
Each partner organization is contributing its part in the construction of training and demonstration farm manned by Israeli farm manager and Israeli volunteers assisting by the infrastructure and staff of the MCSPA.



Gidi Peiper

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At school with my young friends in Turkana

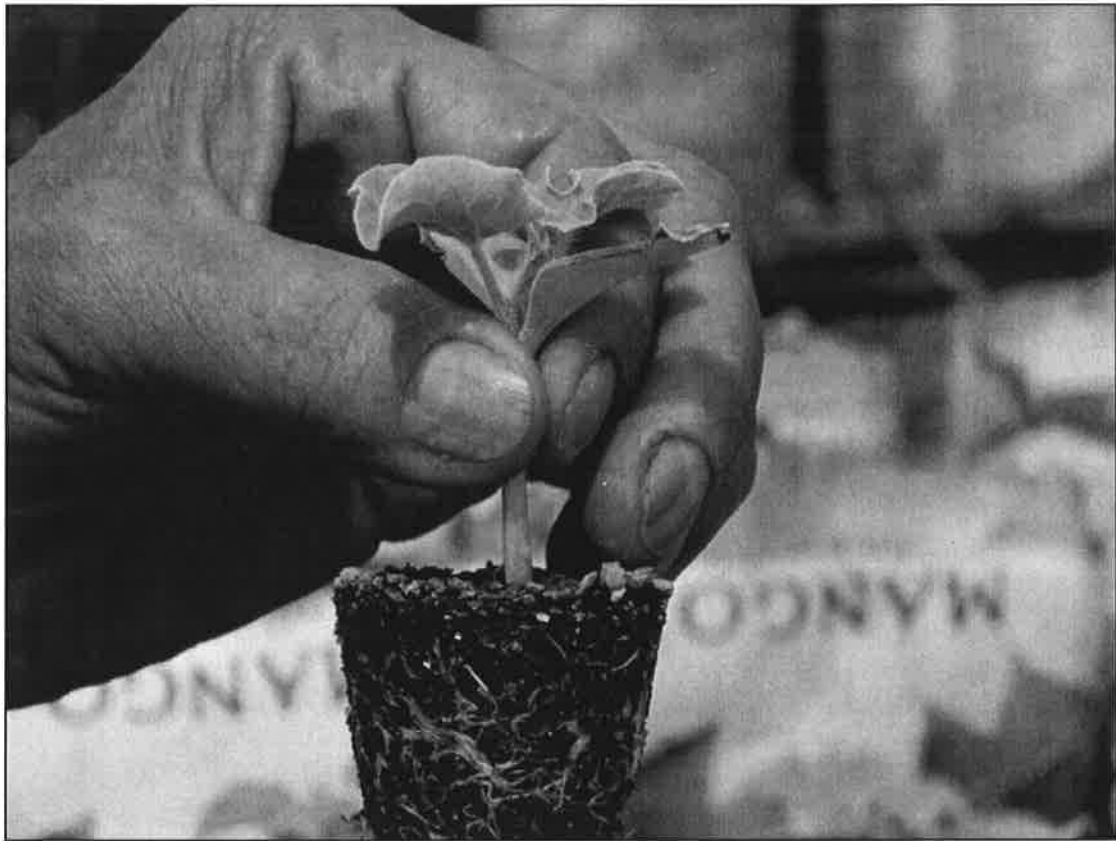


**A Year Later durint another trip
to Turkana, the results of
Tipa Project –
"A Miracle in the desert"**



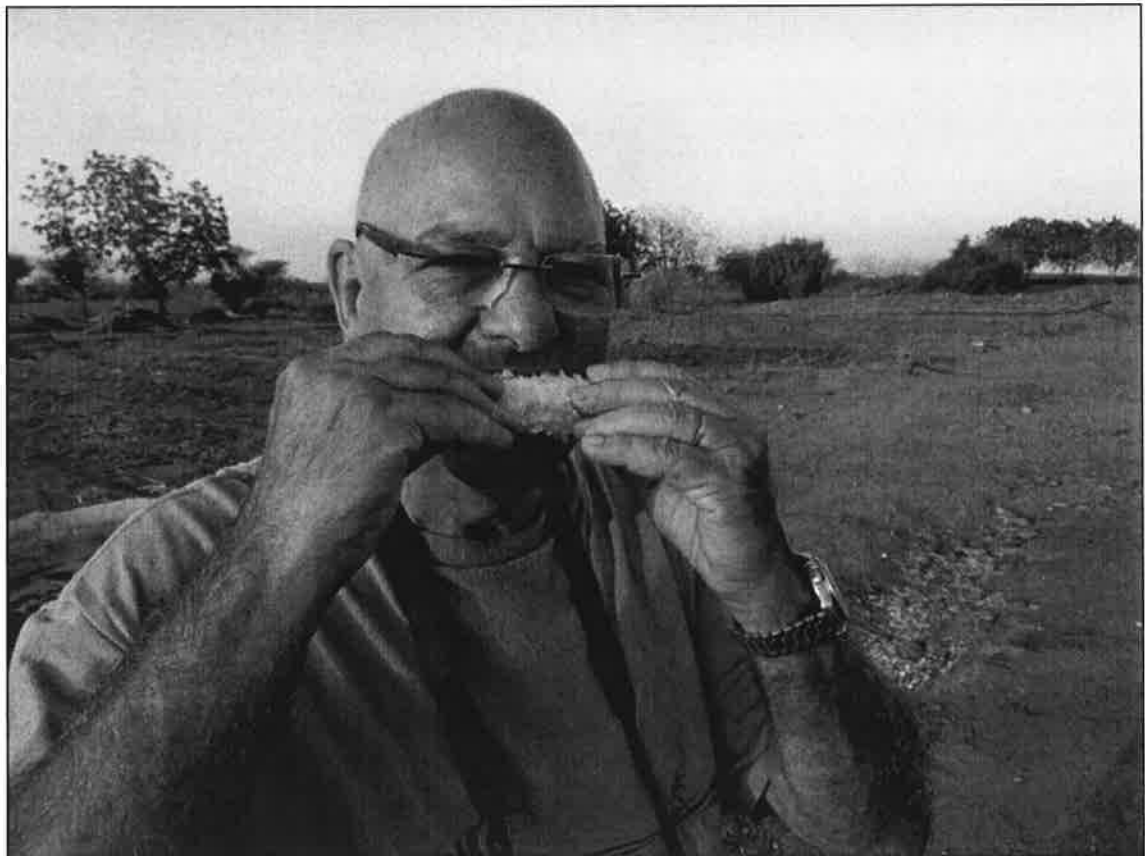
Watermelon field



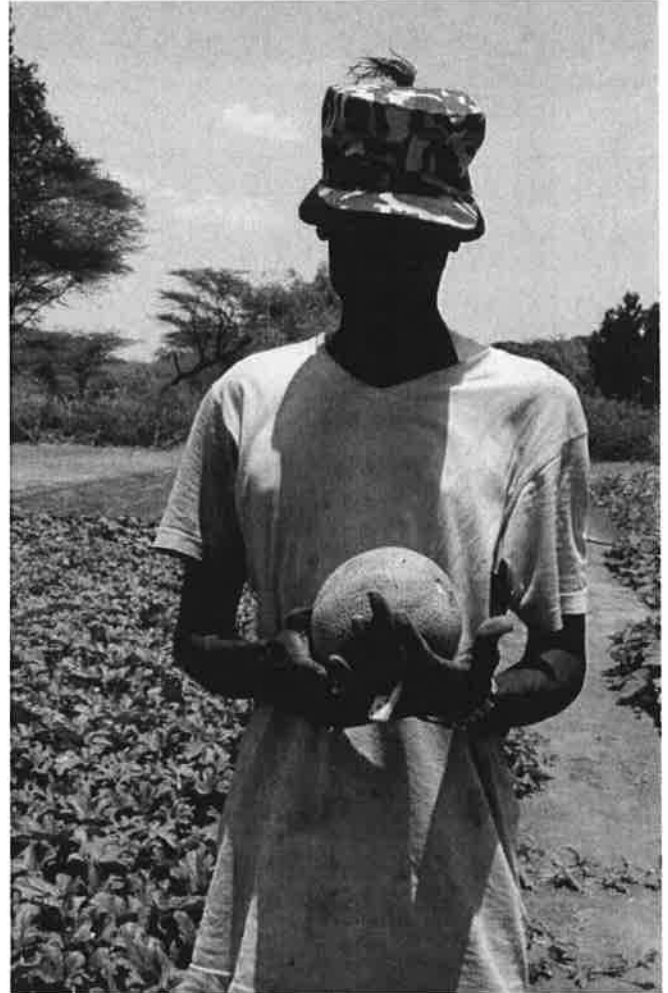


Seeds from Israel





Sweet corn plantage



Wonderful results – unions and melons