

THE AMANI DEVELOPMENT ORGANIZATION

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PLANNING FOR PROGRESS

Amani Irrigation Project

Vineyard Drip Irrigation Project

Dear Friends,

It seems to have taken us a long time to reach this point in development. There has been steady progress on the Amani lands and wonderfully generous support provided for many, many people in the region. Now seems to be the time to focus on a radical development of the two areas of enterprise at the heading of this message. Both have the potential of greatly developing our degree of financial security here. At the same time they also model good development within this region.

The recent redevelopment of our Center well has opened the way for spray irrigation of pasture for the dairy/beef herd. We have available improved pasture grass seeds and should be able to provide year round fodder for the cattle. We have tested two different types of irrigation spray heads. Both operate very well on the pressure from our hill tanks. However we need to use direct pumping from the well to provide sufficient pressure for a spray line. I encourage support for this project as it is at the heart of the development of the dairy project. **We have buyers waiting for us to provide milk in sufficient quantity, locally, and in Dodoma.**

The second project relates to the Irrigation Project. At present we have been growing a limited amount of fodder by drip irrigation. Drip irrigation is really not intended for this purpose. It is labour intensive when used this way and cannot provide the amount of fodder now required. Therefore we intend moving all of the drip irrigation equipment to the **grape project** and expanding that, step by step, to cover the entire vineyard here at the Center. Although there is considerable investment cost our annual operating costs will be considerable reduced. For example, one person will be able operate the watering system instead of a small army of people with buckets! There will also be no further need for the annual development of the 'saucers' around each vine to contain the water applied from

the buckets. This morning, July 12th, I have had seventeen people with large hoes developing saucers in two vine area.

When this vineyard project is completed we would anticipate a considerable increase in annual grape production. Both quantity and quality should improve.

The group of eight French students have now been with us for six weeks. They are keenly focused on their investigations into the regional grape industry and will produce, I believe, a most helpful report, useful to all involved in the industry. They are quite professional and well supervised. We shall miss them when they return to Paris. Soon their place should be taken by more students from Sokoine University of Agriculture at Morogoro.

Thank you all for past and present support.

John Naumann
Managing Director
Amani Development Organization.

AMANI IRRIGATION PROJECT

This project relates to the developing Dairy Project.

Proposal: Stage 1.

Establish an initial spray irrigation facility to provide pasture for the dairy herd.

Process:

- a. Install two 2' main distributor lines from the existing main from our well.
- b. Install the basic spray lines for three pasture areas.



Cost:

Four rolls of 150 m 2' poly pipe	2,200,000/=
All fittings needed to complete the installation	1,775,000/=
Labour: digging the trenches for the distributor lines	380,000/=
Transport of materials from Dodoma	180,000/=
Total	4,535,000/= (\$2,734-us)

Stage 2.

Adding additional area to stage 1 - this would cost 2,100,000/= (\$1,266-us)

The completion of this project will almost double the area enabling us to have fodder security through the year. The dairy project is proceeding very well. The milk is rich and popular. We simply need to be producing much more. We are also able to produce excellent quality beef animals. They will also benefit from this project.

Please send all donations to:

Amani for Africa USA Foundationn

Ralph Spence, Preseident

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John Naumann

Managing Director

Amani Development Organization

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DODOMA TANZANIA

VINEYARD DRIP IRRIGATION PROJECT

Proposal:

- a. Move all of the existing drip irrigation lines from the general farm to the vineyard.
- b. Extend the equipment to serve a minimum of 64 grape lines.
- c. Including the use of existing materials we estimate the cost to be 460,000/= (**\$277-us**) for every set of eight drip lines of 30m each. This includes the cost of all connections to the main 2' distributor lines.

The total cost of the project is estimated at **4,140,000/= (\$2,496-us)** It would be most helpful if donations come in 'set' amounts (460,000/= (**\$277-us**) or multiples of that figure.

A 'section' (three sets) will cost 1,380,000/= (**\$832-us**)

Our initial aim is to develop three sections.

This development will enable considerable savings in the operation of the vineyard. Currently we water with plastic buckets from water lines set through the center of each section. This involves the annual preparation of 'saucers' made around each vine. They are washed out every wet season! Then women from the village are employed to hand water the vines. With the drip system we shall not need to develop the saucers nor hand water. This system will also enable much more efficient watering of the vines during the dry season.

All donations should be sent to:

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