I. GENERAL	Technology 1= Money Maker treadle pump	Technology 2 = Drip Irrigation	Technology 3 = Roof catchment with above ground tank	Technology 4 = Charco dam	Technology 5 = Small earth dam (Ndiva)	Technology 6 = "Fanya Juu" Terracing	Technology 7 = Ridging	Technology 8 = Mulching	Technology 9 = Minimum Tillage	Technology 10 = Ngoro pits	Technology 11 = Chololo pits	Techology 12 = Silted sandy valley farmig (kilimo cha mchangani)	Technology 13 = Ladder terracing	Technology 14 = Paddy Field bunding
1. Name of water technology or practice	Micro irrigation	Micro irrigation	Rainwater harvesting	Rainwater harvesting	Rainwater harvesting	Soil conservation	Soil and Water conservation	Soil and water conservation	Soil and Water conservation	Soil and Water conservation	Soil and Water conservation	Water harvesting	Soil and Water conservation	Water harvesting
1.0 Detailed description of technology or practice (give technical description, refer to Annexas 1 & 2; attach an illustation/picture if technology is not in the lists)	Work on the principle of sunction using either one or two cylinder(s) and piston(s) to draw waterfrom a resource below ground level with maximum sunction head of 7 m	Make use of limited amounts of water application, possible application of fertilizer together with water to grow high value crops on an area up to 0.4 ha	Rain water is collected from rooftops made of modern materials for storage in tanks	Technogy for impounding runoff water by digging and earth embarkment construction		A trench dug along contour while throughing soil upslope of trench to form a bund stabilized by planted vegetation	Technology involving making ridges on contour at a spacing of 0.75 to 2 m		Generally, this means zero (no) tillage or reduced tillage with herbicides used to control weeds. Crop residues act as mulch and cover crops may be used to mintain fertility and control erosion.	Control of soil erosion by means of pits and ridges on steep slopes (10 % to 75 %)	Conservation of moisture by digging pits on contour and staggering them along slope to store (minimize) runoff	Digging holes to fertile and moist soil below sandy layer in valley bottoms for growing dry season crops	Conserving soil through ladder terraces made by hand hoe on steep slopes	Involves harvesting rainwater by making bands around paddy fields
1.1 Source of technology (Indigenous or Imported) 1.2 If imported, any modifications done (Yes or No)	Imported No	Imported	Imported No.	Imported	Indigenous N/A	Imported	Indigenous N/A	and imported in others	Imported No	Indigenous	Indigenous N/A	Indigenous N/A	Indigenous N/A	Indigenous N/A
1.3 Provider of technology ^b	NGO (KickStart)		NGO, and Government extension worker	Government extension agency		NGO and Government Extension worker	Indigenous knowledge	Indigenous knowledge or pravite copying from other areas/farmers	Government agency, University, or Extension worker	Indigenous knowledge	Indigenous knowledge	Indigenous knowledge	Indigenous knowledge	Indigenous knowledge
1.4 Who developed/designed the technology package ^c	Shared vision of 2 Americans, Nick Moon and Martin Fisher		University/extension worker	University/extension worker	Innovative farmers	Extension Agency	Indigenous	Local innovator farmer	Government agency, University, or Extension worker Government agency,	Indigenous innovation	Indigenous innovation	Indigenous innovation	Indigenous innovaion	Indigenous innovation
1.5 Who installed the technology package ^c 1.6 Source of water (surface, groundwater, harvested	Farmers themselves	Authorized dealers of manufacturer	Extension worker/NGO	Government agency	Innovative farmers	Extension Agency	Indigenous	Local innovator farmer	University, or Extension worker	Indigenous innovator farmer	Indigenous innovator farmer	Indigenous innovator farmer	Indigenous innovator farmer	Indigenous innovator farmer
rainwater, wastewater, etc.)	River/Shallow ground water wells	Surface, groundwater	Harvested rainwater	Harvested rainwater	Harvested rainwater	N/A	N/A	N/A	N/A	N/A	N/A	Harvested rain water	N/A	Harvested rain water
1.7 Is the technology used for more than one use (multiple uses)? (Yes/No)	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No
1.8 If yes, what are they?	Irrigation, domestic and livestock water supply, car wash,and block making	N/A	N/A	Domestic and Livestock watering	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.9 If yes, how is the technical design adapted compared to the design for single use?	Same design no change	N/A	N/A	Bigger storage for multiple u	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.10 What is seen as advantages of multiple use systems as compared to the design for one single use?		N/A	N/A	Normadic life is stopped	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.11 What are the disadvantages of multiple use systems?	Relatively high frequency of replacing rubber/plastic parts	N/A	N/A	Costly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2. Specific location/address & distance from main urban center (km)	replacing rubber/plastic parts		IVA		Dry area of Western	NA.	INO.	Wide spread in areas where coffee and/or bannana are	Babati and Karatu Districts in	Matengo highlands in Mbinga	Chololo Village in Dodoma	Villages near Kondoa town on	The North western of the Uluguru mountain slopes.45km from Morogoro	Widespread practice in Mwanza, Shinyanga, and Tabora regions
	Peri-urbarn and Rural areas	Peri-urban Farming - mainly	Widespread in the country	Popular in semi arid area	Pareland	N/A	Widespread	grown	Northern Arusha	Dstrict, southern Tanzania	rural district	route to Dodoma Muncipality	Municipality	and seen in some other areas.
3. Main source(s) of income in site	Farming	horticultural crops	Farming, Livestock keeping	Farming and Livestock keep	Farming, Livestock	Farming, Livestock ke	Farming and livestock	Farming	Farming and livestock keeping	Farming	Farming and livestock keping	Farming and livestock keping	Farming	Farming and livestock keeping
4. Other source(s) of income in site	Trade, livestock	Livestock keeping, Trade	Trade	Trade, labour	Trade, labour	Trade and labour	Petty trade	Petty trade	Petty trade	Petty trade	Petty trade	Petty trade	Petty trade	Petty trade
5. Type of user (community or individual households)	Individual households	Individual households	Individual households	Community	Community	Individual households	Individual households	Individual households	Individual households	Individual households	Individual household	Individual households	Individual households	Individual households
No. of benefitted households; average size of households		More than 15 households; 6												
7. Total size for all beneficiaries (ha) -note average size per	Over 13,000 households	people/households	7 people per household		50 households	8 people/household	7 people per household	7 people per household	7 people per household	7 people per household	7 people per household	7 people per household	7 people per household	7 people per household
beneficiary 8. Profile of beneficiaries (if mostly ultra poor, poor, non- poor or mixed) ^a	About 3000 ha	0.25 ha per beneficiary Non-poor	1 ha	N/A Mixed	15 ha	1 ha	1 ha	I ha per household	1 ha per household	1 ha Mived	l ha Mixed	0.4 ha	1 ha	0.2 ha to 0.5 ha
8.1 Was project/program area selected based on available data on comparative incidence of poverty? (Yes/No)	MACO	non poor	nined.	initial and a second seco		mine u	WINDL	minos	modu	mixed	IN COL	mixed	mileta a	Mixed
8.2 If yes, indicate the poverty status of the project area	No	No	No	No	No	No	No	No	No	No	No	No	No	No
relative to all other regions of the country 8.3 Were particular populations or groups targeted within	Not applicable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
the project area (e.g., based on baseline socioeconomic surveys or participatory poverty assessment, etc)? (Yes/No) _{No}	No	No	No	N/A	N/A	No	No	No	No	No	No	No	No
8.4 If yes, indicate the poverty status of the beneficiaries relative to the non-beneficiaries in the project/programme area	Not applicable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8.5 Indicate the proportion of women beneficiaries 9. Month & year technology was introduced	More than 50%	50%	50%		50%		50%	50%	50%	50%		50% Not known but identified in		more than 70%
10. No. of years of adoption	Year 2000 5 years	Year 2003 2 vears	Old technology 100 years	1930s 80 years	20th century over 100 years	1973 32 years	20th century More than 100 years	1900 Over 100 years	About 15 years	Mid 19th century About 150	1989/12/01 16 years	1998 Known for 7 years	Late 1920s About 90 years	About1950s About 60 years
11. Is technology still in use (Yes or No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes N/A	Yes	Yes	Yes	Yes	Yes	Yes
12. If not anymore, why? (STOP here for this technology) 13. Type of technology (water capture such as small dams,	Not applicable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
rainwater harvesting OR distribution/water use such as treadle pumps, drips, etc.)	Distribution/Water use	Distribution/water use	Water capture	Water capture	Water capture	Water Capture	Water capture	Water capture	Water capture	Water capture	Water capture	Water capture	Water capture	Water capture
14. Describe the counterfactual or the old technology (practice) the new water management technology/practice replaces.	Direct lifting using buckets	N/Δ	Containers were used to capture rainwater	Normadic life	N/A	N/A	Flat cultivation	None	Conventional tillage	Flat cultivation	Flat cultivation	None	Flat cultivation	None
14.1 Is the change partial or complete?	Complete for those owning the pumps	N/A	complete	Complete	N/A	N/A	Complete	N/A	Complete	Complete	Complete	N/A	Yes	N/A
14.2 If the change is partial, describe the elements of the old	d		ompiete	Complete	1071	1473	Complete		oompiete	oompicite.	Complete		100	
system that were preserved and those that were discarded II. Profitability of the TECHNOLOGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
a. The new technology or management practice (Note:														
prepare an enterprise or partial budget) 15. What is the estimated and actual life of the technology?	·					10 years with annual								
(in years) 16. Was technology given out for free?	10 years No	10years No	30 years No	15 years No	N/A	maintenance Yes	One year N/A	N/A N/A	3 years Yes	1 year Yes	1 year Yes	1 year Yes	1 year Yes	5 years Yes
17. If NOT totally free, what is the capital cost of technology (reference YEAR of cost estimate; separate costs for	/ Tshs 99,500/= - Year 2005	Tshs 300,000 per 500 square metre system	2000 litres for Tshs 250,000	Tshs 50,000,000 (2005)	Tshs 70,000,000/= (2005)	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
 Cost of operation & maintenance per ha (indicate what items are included cost of pumping in terms of fuel, energy/electricity, labor costs; maintenance and repair 	Labor, maintenance and repair	Labor, and maintenance			Mantenance cost - Tshs	Tshs 10,000/= Maintenance and	Labour cost, Tshs 50,000/=	Tshs 30,000/= per ha per year; for mulching materials	Tshs100,000/= per ha; for seeding and weeding only at	Tshs 200,000/= per ha;forgrassslashin, aligning,	Tshs 100,000/= Labor cost for	Tshs 50,000/= per ha; labour	Tshs 100,000/= per ha; labour	Tshs 100,000/= per ha; labour costs, tillage, maintenance, and
costs, etc.) 18.1. Does the new technology reqiure more or less labour	costs - Tshs. 480,000/= per ha		None		15,000/=	repair	per ha	and spreading	the beginning	tillage, and weeding	pitting and weeding	costs	costs	repair of bands
than the old technology?	More	Less labour	Less labour	Less labour	N/A	More	More	More because of mulching	Less labor	More	More	More	More	More
19. Crops produced (indicate main crops vs. secondary crops)	Horticultural crops and seedlings	Water melon, Tomato, onions and other horticultural crops	N/A	N/A	Maize and Horticultural croos	Maize and beans	cassava, cotton,potatoes, and	Main crops are coffee and banana and seconday crops are beans, cassava, finger millet and potatos	Main crops are maize and beans; Secodary crops are sorgum, millet, cassava, and bananas	are wheat, cassava, finger	Main crops are maize and millet and secndary crops are ground nuts, and babara nuts	tomatoes and secondary crops are sweet potatoes and	Main crops are maize, beans, and vegetables. Secondary crops are banana, fuit trees,cassava, pegion peas, green peas, and cow peas	Main crops paddy, maize and cotton, and secondary crops are horticultural crops, groundnuts, sorchum
20. Changes in crops grown (into what & when) & reason					Maize during rain season,				None, but 1st harvest main					Paddy and then Horticultural
for new crops or switching 21. Indicate how many croppings per year (1, 2, or 3)	No change	None	N/A	N/A	the Horticultural crops	No	No	None	crop, 2nd harvest cover crop	None	None	None	None	crops
21. Indicate how many croppings per year (1, 2, or 3) 22. Increase in production (in kg/ha) due to technology (including amount used for own consumption & amount sold to market)	Not known	1000%	N/A	N/A	2 Not known	N/A	1 Not known	1 Not known	From 0.35 tonnes/acre to 2.19 tonnes/acre for case of maize	1 Not known	1000 kg per ha	1 2500 kg per ha.	1	2 N/A
22. Increase in revenues (in local currency) due to	Tshs 1,200,000/= per ha	Tshs 1,500,000/= per ha	N/A	N/A	Not known	N/A	Not known	Not known	Tshs 500,000/= per ha	Not known	Tshs 300,000/= per ha	Tshs 400,000/= per ha	Not known	N/A
technology (less amount used for own consumption) 23. Estimated & actual financial profits (gross revenues- costs of all cash inputs)	Tshs 7,200,000/= per ha	Tshs 900,000/= per ha per year	N/A	N/A	Not known	N/A		Tshs1,000,000/= per ha per year for banana and 900,000/= for coffee	Tshs 400,000/= per ha;		Tshs 100,000/= per ha	Tshs 300,000/= per ha	Tshs 350,000/= per ha of cabb	Tshs 700 000/= per ba-
b. Old water management technology or practice (prepare an enterprise budget) LEAVE OUT QUESTION 24-29 IF NO OLD TECHNOLOGY WAS REPLACED	Petrol/Diesel power pump		Bucket					,oou to conce	, and they, over - per ma,	Per la	rena rooyoos- per na	rend dogodore per na	per na or cabb	rene roo,oou - perna,
ULD TECHNOLOGT WAS REPLACED														

GENERAL	Technology 1= Money Maker treadle pump	Technology 2 = Drip Irrigation	Technology 3 = Roof catchment with above ground tank	Technology 4 = Charco dam	Technology 5 = Small earth dam (Ndiva)	Technology 6 = "Fanya Juu" Terracing	Technology 7 = Ridging	Technology 8 = Mulching	Technology 9 = Minimum Tillage	Technology 10 = Ngoro pits	Technology 11 = Chololo pits	Techology 12 = Silted sandy valley farmig (kilimo cha mchangani)	Technology 13 = Ladder terracing	Technology 14 = Paddy F bunding
ame of water technology or practice	Micro irrigation	Micro irrigation	Rainwater harvesting	Rainwater harvesting	Rainwater harvesting	Soil conservation	Soil and Water conservation	Soil and water conservation	Soil and Water conservation	Soil and Water conservation	Soil and Water conservation	Water harvesting	Soil and Water conservation	Water harvesting
	Work on the principle of	Make use of limited				A trench dug along			Generally, this means zero					
Detailed description of technology or practice (give	sunction using either one or two cylinder(s) and piston(s) to	amounts of water application, possible	Rain water is collected from	Technogy for impounding	Water storage structure	contour while	Technology involving making	Involves covering soil with cut	(no) tillage or reduced tillage with herbicides used to	Control of soil erosion by	Conservation of moisture by	Digging holes to fertile and	Conserving soil through	Involves harvesting rainwat
hnical description, refer to Annexes 1 & 2; attach an	draw waterfrom a resource	application of fertilizer	rooftops made of modern	runoff water by digging and earth embarkment	for crop production, constructed in the	throughing soil upslope of trench to	ridges on contour at a spacing	grass, crop residues, straw, or	control weeds. Crop residues	means of pits and ridges on	digging pits on contour and	moist soil below sandy layer in valley bottoms for growing	ladder terraces made by hand	making bands around pa
station/picture if technology is not in the lists)	below ground level with	together with water to	materials for storage in tanks	construction	constructed in the highlands	form a bund stabilized	of 0.75 to 2 m	other plant materials	act as mulch and cover crops	steep slopes (10 % to 75 %)	staggering them along slope to store (minimize) runoff	dry season crops	hoe on steep slopes	fields
	maximum sunction head of 7	grow high value crops on an area up to 0.4 ha		CONDUCCION	ngnanaa	by planted vegetation			may be used to mintain fertility and control erosion.		to store (minimize) ranon	ary souson crops		
What is the estimated and actual life of the technology?		an area op to 0.4 na												
ears)	5	N/A	5 years	N/A	N/A	N/A	N/A	N/A	1 year	1 year	1 year	N/A	N/A	N/A
What is the capital cost of technology?	Tshs 450,000/=	N/A	Tshs 2,000 for a 20 litre container	N/A	N/A	N/A	N/A	N/A	Tshs 100,000/= per ha	Tshs 100,000/= per ha	Tshs 100,000 per ha	N/A	N/A	N/A
Cost of operation & maintenance per ha (indicate what									Tshs 100,000/=; labour costs	Tshs 100,000/=; labour costs	Tshs 100,000/=; lahour costs			
s are included cost of pumping in terms of fuel,	Tshs 924,000/=	N/A	N/A	N/A	N/A	N/A	N/A	N/A Main crops were maize and	and matrerial inputs Main crops are Maize and	and matrerial inputs Main crops are Maize and	and material inputs	N/A	N/A	N/A
Crops produced (indicate main crops vs. secondary								beans and secondary crops	beans and secondarycrops	beans and secondarycrops	Main crops are maize and			
is)	Horticultural crops and seedlings	NI/A	N/A	NIA	N/A	Maize and beans	Maize,groundnuts, cassava, cotton,potatoes, and beans	were, sorgum,cassava, finger millet, and potatos	are cowpeas, pegion peas, cassava, and potatos	are cowpeas, pegion peas, cassava, and potatos	millet and secndary crops are ground nuts, and babara nuts	NI/A	N/A	N/A
ndicate how many croppings per year (1, 2, or 3)	3	N/A	N/A	N/A	N/A	Maize and beams	1 totton,potatoes, and beans	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	cassava, and potatos	cassava, and polatos	ground nots,and babara nots	N/A	N/A	N/A
stimated & actual financial profits (gross revenues-	T								T	T	T			
s of all cash inputs)	Tshs. 231,000/=per ha	N/A	N/A	Service	N/A	N/A	Not known	Not known	Tshs 100,000/= per ha	Tshs 50,000/= per ha	Tshs 50,000/= per ha	N/A	N/A	N/A
OLE OF INSTITUTIONS/ORGANIZATIONS														
Support by NGOs (specify the NGO & indicate if														
national or local)	KickStart - International				TIP (Local NGO)									
ndicate the total value of the support (in Dollars or														
currency) Is the support still on-going or withdrawn? (1	US \$ 1.1 Million	N/A	Not known	N/A	Not known	N/A	N/A	N/A	N/A	N/A	Not known	N/A	N/A	
oing; 2. Withdrawn) If the institutional support is withdrawn, is the system	Yes	N/A	Withdrawn	N/A	On going	N/A	N/A	N/A	N/A	N/A	On - going	N/A	N/A	N/A
If the institutional support is withdrawn, is the system														
functioning? If the system is still functioning, is the pace of nology/practice uptake continuing at the same or better	N/A	N/A	res	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
nology/practice uptake continuing at the same or better							1							
than when there was NGO institutional support? (1.	N/A	NVA	Vor	NZA	N/A	NI/A	NI/A	N/A	NZA	NZA	NI/A	NIA	N/A	N/A
e pace; 2. Better pace; 3. Slowed down) Give reasons for the response to 30.4	190	100	Yes The advantages of the technology	120					100	1970		1975		180
Give reasons for the response to 30.4	N/A	N/A	are well known	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Provide and	Introduction of technology,				1	1					Promoting spread of			
Specific support provided ^d	access to imputs, training		Introduction of the technology	all a	Improving canal to reduce	B NYA	NVA			N/A	technology to surrounding	A1/A	N/A	
Support by government extension workers & other	users and local manufacturers,	N/A	Introduction of the technology	N/A	water losses	N/A	N/A	N/A	N/A	N/A	villages	N/A	N/A	N/A
remment agency (specify which agency & whether local		Government extension workers	Government extension workers	Local government	Local government	Government extension workers			Government agency and Extension worker				Government extension workers, University	
ational government) (yes or no)		WUINEIS				extension workers			Extension worker				workers, oniversity	
Indicate the total value of the support (in Dollars or I currency)	N/A	Not known	N/A	80% of the total cost	80% of the total cost	Not available	N/A	N/A	Not known	N/A	Not known	N/A	Not known	N/A
Is the support still on-going or withdrawn? (1.			-	_		On-going in some					_			
oing; 2. Withdrawn) If the institutional support is withdrawn, is the system	N/A	On going	On-going	On-going	On-going	places	N/A	N/A	On - going	N/A	On going	N/A	On - going	N/A
functioning?	N/A	N/A	N/A	N/A	N/A	Yes in some places	N/A	N/A	N/A	N/A	N/A	N/A	Yes	N/A
If the system is still functioning, is the pace of														
nology/practice uptake continuing at the same or better														
e than when there was Government institutional port? (1, Same pace: 2, Better pace: 3, Slowed down)														
port: (1: danie pade, 2: better pade, 5: clowed down)	N/A	N/A	N/A	N/A	N/A	Yes in some places Where farmers can	N/A	N/A	N/A	N/A	N/A	N/A	Yes	N/A
5 Give reasons for the response to 32.4						afford increased								
Give reasons for the response to 32.4	NIA	NI/A	N/A	N/A	N/A	labour the technology continues	NI/A	N/A	NIA	NZA	N/A	NI/A	It is indigenous	N/A
	IN/A	IN/A	N/A	IN/A	N/A	Introduction of	N/A	N/A	Capacity building, formation of	IN/A	Promoting spread of	N/A	it is indigenous	N/A
Specific support provided ^d		System installation in	.	~ <i>.</i>		technology, tools and			farmer groups, material		technology to surrounding			
Support by private enterprises (specify enterprise)	N/A Karam Engineering Works	some places Balton (T) Ltd	Technical advisory services	Technical and financial sup	Technical and financial su	u finacial assistance	N/A	N/A	access	N/A	villages	N/A	Research	N/A
Specific support provided ^d		System importation, and												
Support by other organization (specify organization -	Manufacture of the technology	installation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
community organization) or private sector service	Dealers and Retailers			Community Based	Community Based Organization	Community Based								
ider (e.g. manufacturers/dealers/retailers) Indicate the total value of the support (in Dollars or				Organization	organization	Organization								
currency)	Not known	N/A	N/A	20% of the total cost	20% of the total cost	Not known	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Is the support still on-going or withdrawn? (1.						- as research					1071			
bing; 2. Withdrawn) If the institutional support is withdrawn, is the system	Yes	N/A	N/A	On-going	On-going	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
If the institutional support is withdrawn, is the system functioning?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
If the system is still functioning, is the pace of				1		1				1				
nology/practice uptake continuing at the same or better than when there was institutional support? (1. Same					1	1								
; 2. Better pace; 3. Slowed down)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Give reasons for the response to 36.4	N/A Excilitate access to output	N/A	N/A		N/A Management of the	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pecific support provided ^d	Facilitate access to output market	N/A	N/A	Management of the technology	Management of the technology	Labour and administration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FACTORS CONTRIBUTING TO PROFITABILITY &														
FACTORS CONTRIBUTING TO PROFITABILITY & TAINABILITY OF TECHNOLOGY (see Annex 3 for														
ple answers #40-45)														
ase in implementation (Yes & No)	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
ase in O&M (Yes & No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes
uitability of technology/How adapted to local itions (well, not so well, etc.)	Well	Well	Well	Well	Well	Not so well	Well	Well	Well	Well		Well	Well	Well
ultural acceptability	Acceptable Socially, technically and	Not full assessed	Acceptable	Acceptable	Acceptable	Acceptable	Highly acceptable	acceptable	Acceptable	Acceptable	Well	Acceptable	Acceptable	Acceptable
ffectiveness	Socially, technically and				Moderate				High	High	High		Moderate	
	economically effective	Very high	Very high	High	moderate	High	High	High Controls soil erosion and	High Controls soil erosion,	r ngư	ruyd	High	moudiate	Very effective
nvironmental impact								promotes environment	promotes environmental	Controls erosion and				
	None	None expected	None	Overgrazing and localized e	Reduce soil erosion	Reduced soil erosion	Reduces soil erosion,	sustainability Conserves soil moisture,	sustainability	conserves moisture	None expected	None expected	Reduced soil erosion	None
					1	1		maintains high organic matter	Maintains high organic matter					
Other advantages (factors contributing to profitability &					1	Increased soil		content, improves soil structure, controls weeds,	content, improves soil structure, controls weeds,					
ability)					Improve availability of	moisture and		protects soil against direct	protects soil against direct	Maintains high organic				Reliable harvests through
	Insignificant replaceable parts.need no fuel	Low use and high productivity of water	Lack of public water supply systems	Improved availability of water	water for small scale	availability of fodder on bunds	Improves soil moisture retenti	sun radiations, and promotes	sun radiations, and promotes soil fauna activities	matterand improves soil structure	Increases rain water that infiltrates the soil	No weeding and fertile soils	Sustains organic matter in soil	harvested water from upper catchments
	pana,neeu nu iüel	productivity of water	ayaieIIIS	waidt	irrigation	on bunus	mproves son moisture retenti	oom idunia activities	aon (auna activities	structure Needs other fertility	mmdates the SOII		and conserves moisture Needs external nutrients	carchiments
ther disadvantages (factors constraining profitability & ainability– e.g. lack of specific support services or		Expensive and require								management measures for sustinable productivity on			inputs in areas where there are no livestock for manure	

KEY: na = No information a = No information available h = No information available h = No information available h = indigenous knowledge; 2: NGO (specify; 3: government agency/extension worker; 4: private enterprises; 5: other (specify) h = indigenous knowledge; 2: So O (specify; 3: government agency/extension worker; 4: private enterprises; 5: other (specify) h = indigenous knowledge; 2: so O (specify; 3: government agency/extension worker; 4: private enterprises; 5: other (specify) h = indigenous knowledge; 2: acolitated access to inputs; 3: tacilitated access to output markets; 4: provision of (or facilitated access to) credit; 5: capacity building such as training (specify what); 6: formation of association (specify: water user assoc., producers d ::introduction of technology; 2: facilitated access to inputs; 3: facilitated access to output markets; 4: provision of (or facilitated access to) credit; 5: capacity building such as training (specify what); 6: formation of association (specify: water user assoc., producers