



Ich liebe Fisch 2020

Photos: B. Ueberschär, S. Rakers, T. Knörr
Editor: B. Ueberschär



www.fish-for-life.org



The "Ich liebe Fisch" project was specifically focussing on an improved nutrition of mothers and children.



So nicely dressed and elegant...

	mo	di	mi	do	fr	sa	so	
Januar 2020			1	2	3	4	5	KW 1
	6	7	8	9	10	11	12	KW 2
	13	14	15	16	17	18	19	KW 3
	20	21	22	23	24	25	26	KW 4
	27	28	29	30	31			KW 5



Measuring water parameter



Analysing water chemistry



The project organised a nation-wide training course on solar powered hatchery operation at the Bunda college farm with lectures and hands-on training

mo	di	mi	do	fr	sa	so	
Februar 2020							
					1	2	KW 5
3	4	5	6	7	8	9	KW 6
10	11	12	13	14	15	16	KW 7
17	18	19	20	21	22	23	KW 8
24	25	26	27	28	29		KW 9



Vegetables (Mustard, *Brassica juncea*) growing well in the aquaponic system at the Bunda farm. Two ways of production systems were tested; floating and with gravels. In an advanced stage, gravels were replaced with clay pebbles.



Floating seedlings; the roots are retrieving the nutrients straight out of the water.



Fresh harvested mustard leaves, ready to be cooked.

	mo	di	mi	do	fr	sa	so	
März 2020							1	KW 9
	2	3	4	5	6	7	8	KW 10
	9	10	11	12	13	14	15	KW 11
	16	17	18	19	20	21	22	KW 12
	23	24	25	26	27	28	29	KW 13
	30	31						KW 14



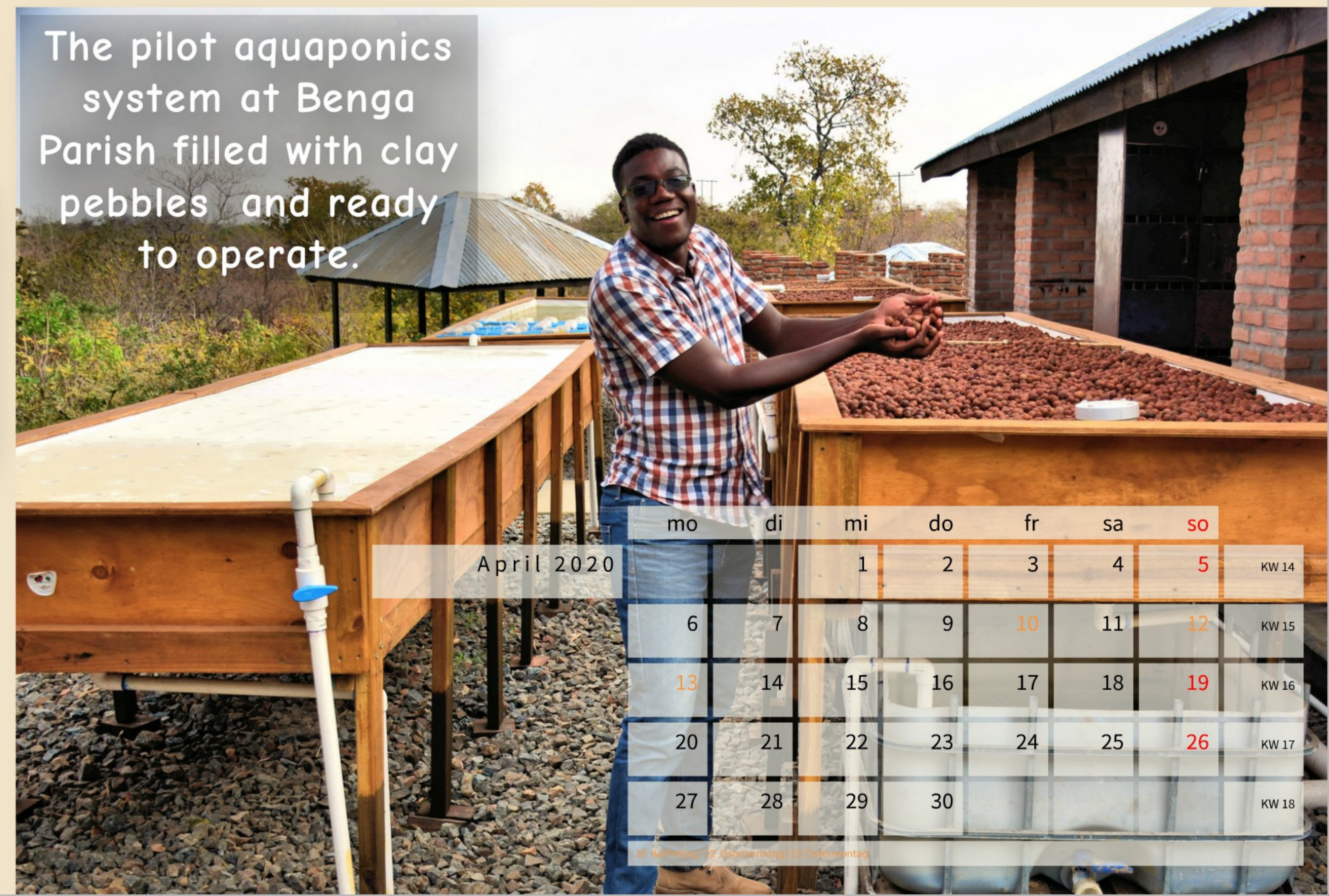
Substrates are fundamental components for aquaponics because they act as a small reservoir of nutrients.

Due to unavailability of industrially produced clay pebbles the project established a small production in Malawi.

For the mass production of the clay pebbles, folks from the local communities were hired.



A kiln was build from the project in order to bake the clay pebbles



The pilot aquaponics system at Benga Parish filled with clay pebbles and ready to operate.

	mo	di	mi	do	fr	sa	so	
April 2020			1	2	3	4	5	KW 14
	6	7	8	9	10	11	12	KW 15
	13	14	15	16	17	18	19	KW 16
	20	21	22	23	24	25	26	KW 17
	27	28	29	30				KW 18



With support of the solar powered hatchery, Tilapia fingerlings were reared at Bunda college farm; the right size to be stocked in the pond of the farmers.

	mo	di	mi	do	fr	sa	so	
Mai 2020					1	2	3	KW 18
	4	5	6	7	8	9	10	KW 19
	11	12	13	14	15	16	17	KW 20
	18	19	20	21	22	23	24	KW 21
	25	26	27	28	29	30	31	KW 22



Fingerlings from the Bunda college farm were delivered to the farmer who are partner in the project. Since access to the ponds with cars is limited, transport of fish fry is accomplished the "Malawian way".

	mo	di	mi	do	fr	sa	so	
Juni 2020	1	2	3	4	5	6	7	KW 23
	8	9	10	11	12	13	14	KW 24
	15	16	17	18	19	20	21	KW 25
	22	23	24	25	26	27	28	KW 26
	29	30						KW 27



Arrived at the ponds, the bags with the fish are temperature-adapted before releasing the fingerlings into the pond.

	mo	di	mi	do	fr	sa	so	
Juli 2020			1	2	3	4	5	KW 27
	6	7	8	9	10	11	12	KW 28
	13	14	15	16	17	18	19	KW 29
	20	21	22	23	24	25	26	KW 30
	27	28	29	30	31			KW 31



Part of the harvested fish are immediately sold fresh to the neighbourhood and in the market



	mo	di	mi	do	fr	sa	so	
September 2020		1	2	3	4	5	6	KW 36
	7	8	9	10	11	12	13	KW 37
	14	15	16	17	18	19	20	KW 38
	21	22	23	24	25	26	27	KW 39
	28	29	30					KW 40



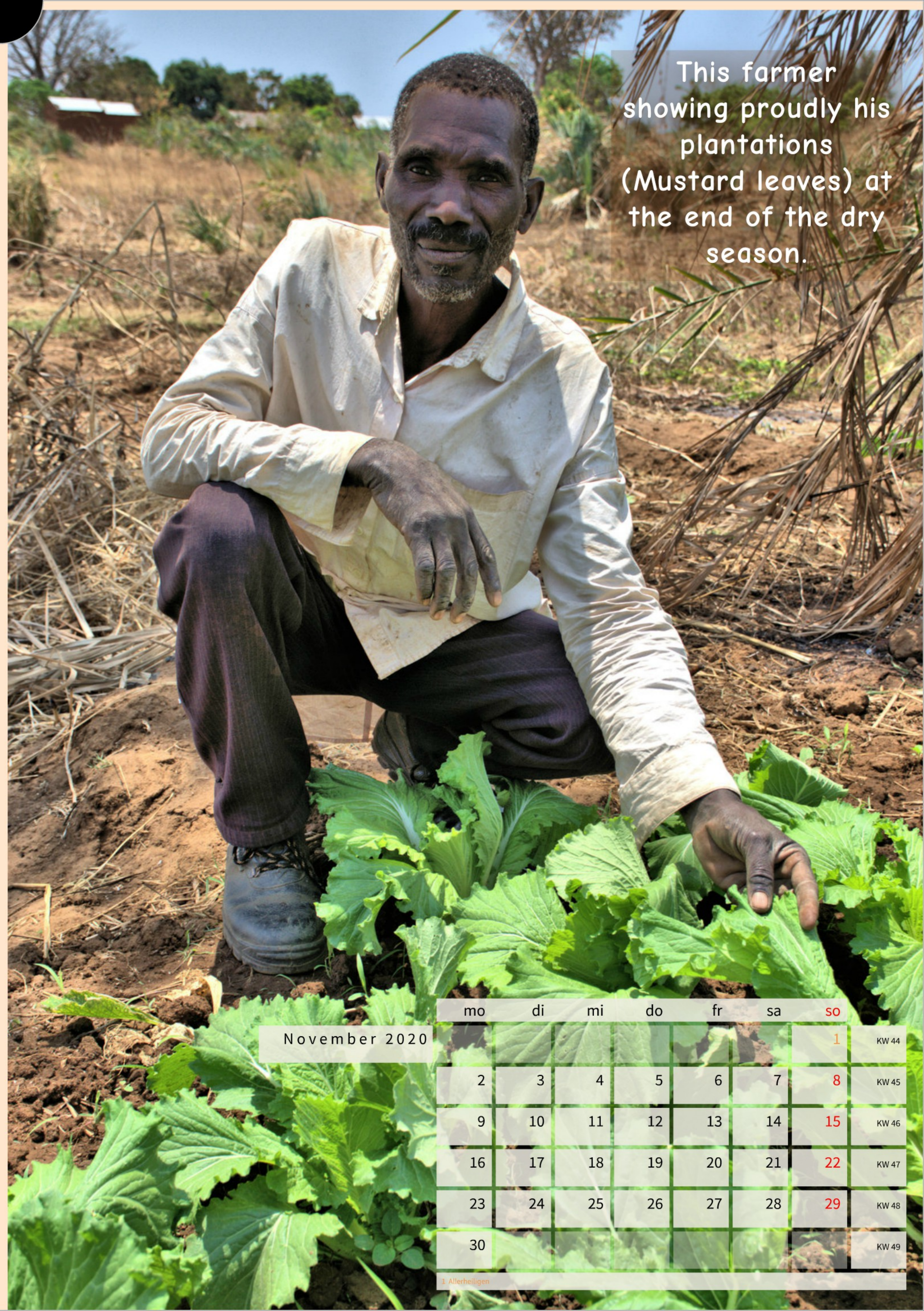
The nets are considered a treasure in the fish clubs and carefully treated. The farmer carry together the net to the next pond to continoue harvesting fish.

	mo	di	mi	do	fr	sa	so	
Oktober 2020				1	2	3	4	KW 40
	5	6	7	8	9	10	11	KW 41
	12	13	14	15	16	17	18	KW 42
	19	20	21	22	23	24	25	KW 43
	26	27	28	29	30	31		KW 44

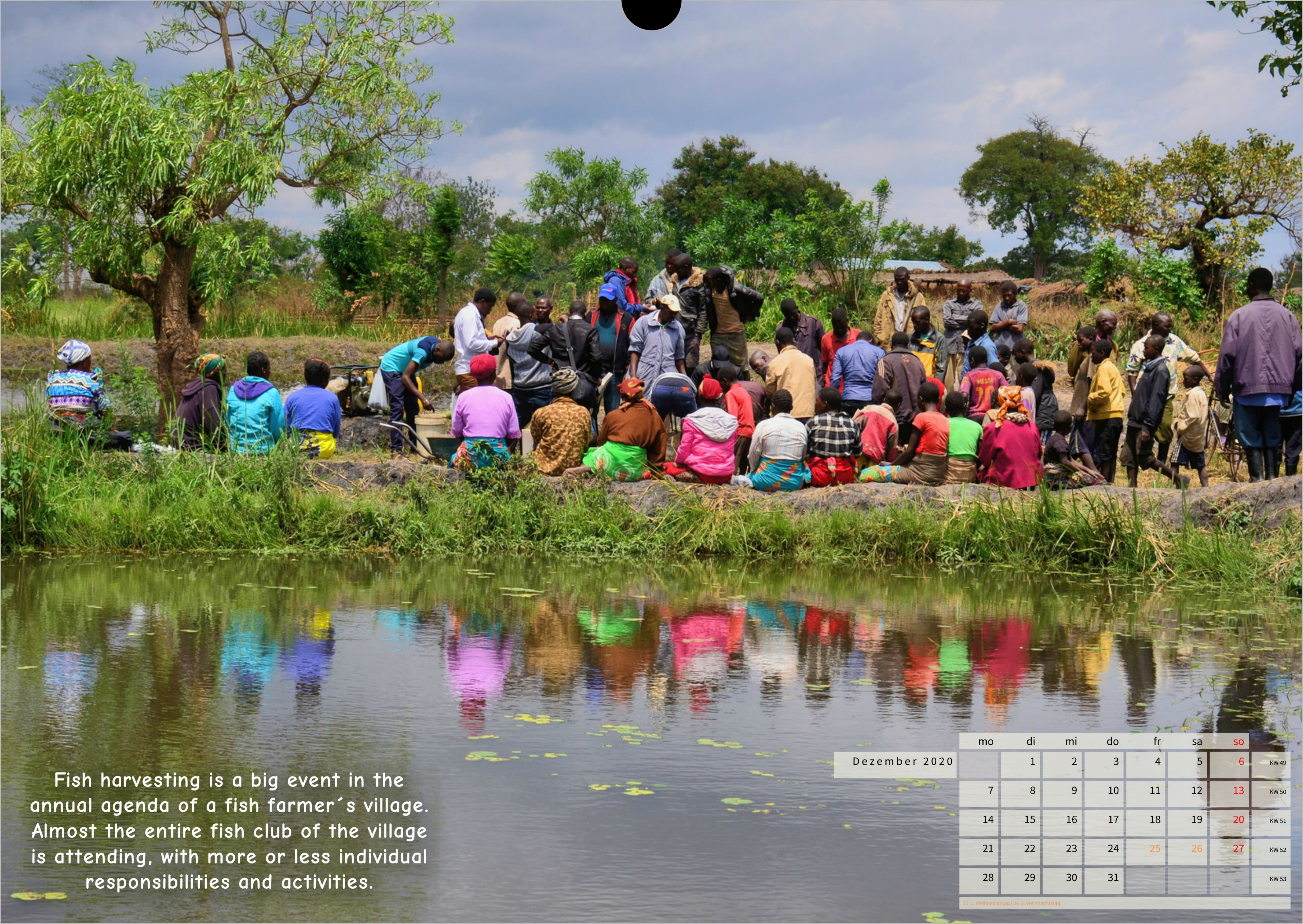
Watering the acres with pond water allows production of vegetables even in the dry season and with less artificial fertilizers.



This farmer showing proudly his plantations (Mustard leaves) at the end of the dry season.



	mo	di	mi	do	fr	sa	so	
November 2020							1	KW 44
	2	3	4	5	6	7	8	KW 45
	9	10	11	12	13	14	15	KW 46
	16	17	18	19	20	21	22	KW 47
	23	24	25	26	27	28	29	KW 48
	30							KW 49



Fish harvesting is a big event in the annual agenda of a fish farmer's village. Almost the entire fish club of the village is attending, with more or less individual responsibilities and activities.

	mo	di	mi	do	fr	sa	so	
Dezember 2020		1	2	3	4	5	6	KW 49
	7	8	9	10	11	12	13	KW 50
	14	15	16	17	18	19	20	KW 51
	21	22	23	24	25	26	27	KW 52
	28	29	30	31				KW 53
	25 1. Weihnachtstag 26 2. Weihnachtstag							