



**REPORT ON THE MUSHROOM SPAWN QUALITY
CONTROL TRAINING HELD ON THE
27TH TO 29TH JULY 2020, AT CSIR-FOOD RESEARCH
INSTITUTE ACCRA.**



Matilda Dzomeku and Richard Takli

2020

INTRODUCTION

Mushrooms are edible fungi and known to have nutritional and medicinal properties that are essential for human wellbeing. Over the years Mushrooms have been grown on agricultural byproducts which otherwise would have been left to rot or burnt causing environmental pollution/degradation.

Mushroom spawns (seeds) are required to grow mushrooms and the process of making these spawns are technical and requires expertise of a trained personnel.

Due to the increase in the number of farmers being trained on the cultivation of mushrooms each year by the CSIR-Food Research Institute, Accra, there has been an increased demand for mushroom spawns. CSIR-FRI trained some farmers in the practical steps involved in spawn multiplication.

Poor quality of mushroom spawns was identified as a problem within the Greater Accra Region at a CSIR/MAG Regional meeting. Thus, the need to organize a training on the quality control activities required to ensure good quality spawns for the sustainability of the mushroom industry in Ghana.

TRAINING OBJECTIVE

- To outline the importance of quality control in mushroom spawn.
- To find solution to problems encountered in the handling of mushroom spawns.
- To ensure that good quality mushrooms are produced through the use of good quality spawn.

ACTIVITIES

The day started with participants seated and opening ceremony started at 9:15am. Present were the Director of CSIR-Food Research Institute Professor Mrs Mary Obodai, The REC

Coordinator FRI, Dr Mrs Charlotte Oduro-Yeboah, RELC Coordinator Greater Accra Dr S. Affedzie-Obresi and Head of Mushroom Laboratory CSIR-FRI Ms Matilda Dzomeku.

DATE	TIME	ACTIVITY	FACILITATOR
		Opening prayer was led by one of the participants after which a self-introduction of all present was done. Prof. Obodai then gave the welcome address.	
		The training then continued with the theoretical aspect at 9:40am. This was taught by Ms Dzomeku and topics covered included the following:	
		a. What are Mushrooms?	
		b. Types of Mushrooms	
		c. Life cycle of mushrooms	
		d. What are spawns?	
		e. Storage and management of spawns	
		f. Handling of contaminated spawns	
		Lectures ended at 11: 35pm.	
		The practical section started at 11:40pm and this was handled by Mr. Richard Takli. Topics covered included the following:	
		a. Qualities of good spawn.	
		b. Contaminants of spawns.	
		c. Effective ways of handling contaminated spawns.	
		The practical section ended at 1:30pm. Questions of participants were addressed and participants filled an evaluation form each after which lunch was served. A group photograph was taken and the training came to an end.	

	9:00am- 9:30am	Opening Ceremony	Director, CSIR-FRI RELC coordinator, G.A
Monday 27 /07/2020		Introduction to Mushrooms (LECTURES)	
	9:30am- 11:30pm	a. What are Mushrooms?	
Tuesday 28/07/2020		b. Types of Mushrooms	
		c. Life cycle of mushrooms	
and		d. What are spawns?	M. Dzomeku
Wednesday 29 /07/2020		e. Storage and management of spawns	
		f. Handling of contaminated spawns	
		Quality control of spawns (PRACTICALS)	
	11:30pm-1:30pm	a. Qualities of good spawn.	
		b. Contaminants of spawns.	
		c. Effective ways of handling contaminated spawns.	R. Takli
	1:30pm-2:00pm	Lunch & Closing	

Table 1: Training Schedule

Table 2: Participant List (FIRST BATCH 27th July, 2020)

	NAME	DESIGNATION/ POSITION	ORGANIZATION	ADDRESS	EMAIL	TEL
1	Gordon Yeboah	Proprietor	Gorbert Farms	EAB 72/2 Asharley botwe New town. Box MD 227 Madina	yeboahgordon@gmail.com	0244988061
2	Nicholas Addae	RAO EXT	Department of Agric	Madina, Box 257	Addaen06@gmail.com	0557211372
3	Alfred Kobla Aboetaka	CEO	Jecald Farm	Hse. No 545/NAB	jecaldfarm@gmail.com	0266113394
4	Jerry Armah	Farmer	Conquerors Mushroom	NLPC, P.O.Box AT 904 Achimota	jeyjoeus@yahoo.com	0244983872
5	Marian M. Dompey	Farmer/DDA	CSIR/ARI	P.O.Box 7590 Accra North	mariankwaku@gmail.com	0244687479
6	Dr. S. Affedzie-Obresi	RELC COORD	CSIR/ARI	CSIR-ARI Accra	obresis@yahoo.com	0244022399
7	Ocloo Amenuveve	Farmer		P.O.Box 1914 Adenta	oclooamen@gmail.com	0540632183

Table 3: Participant List (SECOND BATCH 28th July, 2020)

	NAME	DESIGNATION/ POSITION	ORGANIZATION	ADDRESS	EMAIL	TEL
1	Evans Arhinful-Abakah	Farmer/Secretary	Community 3 livestock farmers Ass.	Community 3, Tema	arhinfulabakahe@gmail.com	0545084566/ 0241848176
2	Francis Abboh	Nabco Trainee	Krowor Municipal Assembly	Nungua	francisabbobh@gmail.com	0573428670/ 0550651399
3	Nikki Owiredu	SRS	CSIR-ARI	CSIR-ARI	nikkiabed@yahoo.com	0244233895
4	Mohamadu Cabilla Alhassan	AEA	Krowor Municipal Assembly	Nungua	Amahamadu132@gmail.com	0244935061
5	Israel H. Adorbley	AEA	Tema West A.	Tema West A.	nwisraels@gmail.com	0243369956
6	Kumah Agbedianu	Farmer		Teshie	kumahlee@gmail.com	0242844220
7	Xornam Anagbonu	Farmer	Nuna Farms	Teshie	Ajustina85@gmail.com	0242864771
8	Zigli Dominic	Farmer	Tema West A.	Tema West	ziglidominic@gmail.com	0242130317

Table 4: Participant List (THIRD BATCH 29th July, 2020)

	NAME	DESIGNATION/ POSITION	ORGANIZATION	ADDRESS	EMAIL	TEL
1	Nana Yaa Agyeiwaa		Ministry of Agric.	Ga North	Agyeiwaanayanayaa23@gmail.com	0559946240
2	Samuel Nii Laryea	Farmer	Adarillo Republic	Box KB 31 Korle-Bu, Accra	Unclelaryea17@gmail.com	0244482767
3	Aniagyei K. Amoakoh	Farmer	Palm Inc. Farms	Pokuase	Kkaniagyei17@gmail.com	0501381710
4	Rev. Seth A. K. Dogbatse	Farmer	Sema Royal Farm	Ga North	sethdogbatse@gmail.com	0558826231
5	Anthony Nyarko	Farmer		Ga North	nyarkoanthony586@gmail.com	0204340596
6	Munirat Wahab	Farmer	Kwadu Farms	Ga North	Munirses2gh@yahoo.com	0243502811



Figure 1: Opening ceremony by Prof. Mrs Mary Obodai Director CSIR - Food Research Institute, Accra



Figure 2: A cross section of the class during lectures BATCH 1



Figure 3: Participants during practical section



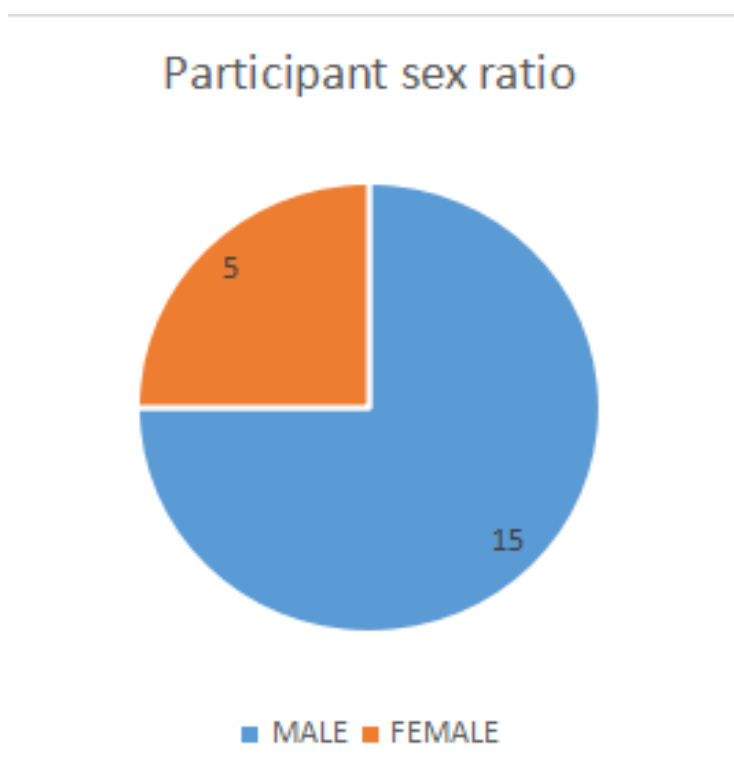
Figure 4: Participants in the mushroom growing house



Figure 5: Participants in the mushroom laboratory

TRAINING EVALUATION

Table 5: Table showing the ratio of male to female among participants.



The ratio of male to female among the participants was 15:5.

RECOMMENDATION

1. An extension and consultative visit to the farms of trainees is highly recommended to observe and advice farmers on the quality control practices that will impact positively on their farm yields.
2. Regular training should be held to help farmers practice good quality control practices which in the long run improve the mushroom value chain.