



#### Stakeholders for the JUNCAO Technology

by

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#### The time is now!!

Tremendous benefits of the JUNCAO Technology (money \$360 000 per ha, nutrition value, medicinal value, better livelihoods, better environment, etc)

2017 JUNCAO: we are five years behind

Quick Adoption is the single option remaining at whatever cost

• As usual, the value chain approach: Key stakeholders approach

### JUNCAO-means everyone on board



## JUNCAO Technology (driver)

- The team from
- the National Engineering Research Center, FAFU



## Support (driver)

• Government of the People's Republic of China



• UN Department of Economic and Social Affairs



## Proposed pick up points: Critical Stops

1) Policy

Government of Zimbabwe





Coordination: AGRITEX

Seed import permits and agreements DR & SS

### 2) Demonstration Centre



- 2-5 ha of land
- Production house, spawn lab, animal raising,
- 1 of the 13 Agric colleges in the country

## 3) Farmers

Training received: Data base of farmers at UZ and AGRITEX

Previous experience

Willingness

Closeness to markets

## Agricultural Education and dissemination

AGRITEX

Farmers Unions

Gwebi Agricultural College

Universities: Curricula modification

## University of Zimbabwe example

Over 500 farmers

A database of trained farmers with their contacts

A training manual (word version and PowerPoint version)

Produced and sold spawn

#### mushrooms from the maize straw substrate

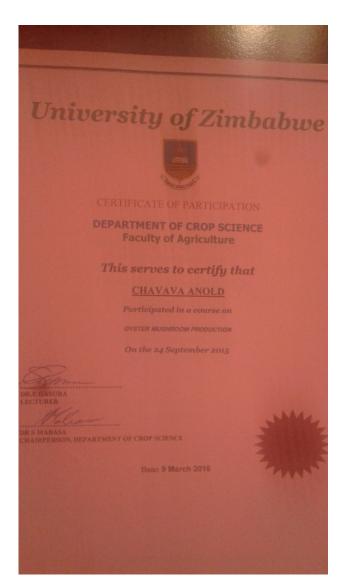








#### Certificates offered







## Database example for over 500 farmers at UZ

		Name	Physical Adress	E-mail		
		Paulo Moyo	2 linquenda close, Chisipite	masena@yoafrica.com	Cell No	Signature
		Mavengere Stella	The cross, emsiphe	masenawyoainca.com	0772100011 0772363384	
	3	Francis Ruwanda	8 Clarevile Close, Mandara	Francis.ruwanda@barclays.com	04758280	
	4	Francis Mphatso Mponda	2 Samson Close Mt Pleasant	francis@yahoo.com	0773511125	
	5	Gallen Gumbochuma	Shawasha Hills, Plot 78	gumbo81@yahoo.com		8
	6	Leona A. Mazorodze		Samoo (a, yanoo.com	0772314245	5
V	7	Simbarashe Mutsvanga	Melberry Farm, Box 10, Selous		0773214308	ma
	8	Kizito Dzwova	Melberry Farm, Box 10, Selous	kdzwova@gmail.com	0775986161	men
	9	Mrs Dzwova	Melberry Farm, Box 10, Selous		0775986100	AVAR D
1	10	Philemon Moya	Melberry Farm, Box 10, Selous			67860
V	11	Fredy Sakala	Melberry Farm, Box 10, Selous		0775354896	A CONTRACTOR OF THE PARTY OF TH
1	12	Robson Joseni	Melberry Farm, Box 10, Selous		0773821906	ALIES .
	13	Mrs Esnath	Melberry Farm, Box 10, Selous		0776605960	TUETES
1	14	Takesure Chiveta	Melberry Farm, Box 10, Selous		0777483294	800E
	15	Shamiso Nhiwatiwa	8 Banffed Rd, Estlea	bizzyshamie@hotmail.com	0774434063	
	16	Raymond Mudunge	Durham farm, Beatrice	raymudunge@gmail.com	0772950900	
	17	Tracy Chikamba	8 Lyndhurst Rd, Mornavale	traceyc@zol.co.zw	0772271577	
	18	Farai Manyande	13 Ashdon Drive, Ashdon Park	fmanyonde@gmail.com	0772748653	
	19	Munyaradzi Mufanebadza	Hurudza valley Estate. Box 23		0772957690	Me da
1	20	Jonason Murapa	2 Durland Close, Mt pleasant	murapaj@smm.co.zw	0772469992	OFF O
-	1	E. Shava ELIAUCEM			0773393938	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND
	2	Charles Mutasa	546 Goodhope, Westgate	cmutasa@gmail.com	0772415720	
		Richard gatsi	13 Honister rd, Borrowdale		0774013458	
	4	Eliackem Shava	16506 Sunningdale 2	6775206773.	0733939380	
	-	Masimba	2413 Tynawld South		0775913270	)
14		Masimoa Mutsikadowo	2113 1 31111111111111111111111111111111		077241910	5 Bu

## Profitability and entrepreneurship

- Developmental Partners
- Strategic Policy Planning and Business Development

# JUNCAO grass seed production

Tissue culture







## Spawn producers

- Quality seed (vigour plus cleanliness)
- Availability (in space and time)
- Appropriate strain (for market needs)







Mashtella

#### Marketing

Local





Niche markets (eg hotels & Restaurants, schools etc)

• Mr Chinguno at Glenforest (+263772515553 +263773993369)

Export market linkages



## Processing







# Regulation and Certification

Certification for export market or niche markets







## Mechanization process, plus Plastic bags

Department of Agricultural Engineering, Mechanization and soil conservation



#### Feed Production

• Livestock Department under the Government

Universities

## Fertilizer companies





## Sustainability

Youth engagement (ZYC)



Environmental issues (EMA)



#### Academia/ Researchers











- Selection of best strains of mushroom/ grass for Zim?
- Alternatives to inputs/ methods/ technologies for the Juncao

Musara, A., **Gasura, E**., Ngadze, E., Matikiti, A., Mashingaidze, A.B. and Zvidzai, C., **2018**. Effect of mixing cereal and legume straws on yield of grey oyster mushroom under controlled conditions. *African Crop Science Journal*, *26*(2), pp.175-187.

#### Media



Newspapers



Magazines

• Radio stations

## Acknowledgements









