



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	Cell No	Signature
1	Paulo Moyo	2 linquenda close, Chisipite	masena@yoafrica.com	0772100011	
2	Mavengere Stella			0772363384	
3	Francis Ruwanda	8 Clareville 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	0775436149	
6	Leona A. Mazorodze			0772314245	
✓	7 Simbarashe Mutsvanga	Melberry Farm, Box 10, Selous		0773214308	
✓	8 Kizito Dzwova	Melberry Farm, Box 10, Selous	kdzwova@gmail.com	0775986161	
✓	9 Mrs Dzwova	Melberry Farm, Box 10, Selous		0775986100	
✓	10 Philemon Moya	Melberry Farm, Box 10, Selous			
✓	11 Fredy Sakala	Melberry Farm, Box 10, Selous		0775354896	
✓	12 Robson Joseni	Melberry Farm, Box 10, Selous		0773821906	
✓	13 Mrs Esnath	Melberry Farm, Box 10, Selous		0776605960	
✓	14 Takesure Chiveta	Melberry Farm, Box 10, Selous		0777483294	
	15 Shamiso Nhiwatiwa	8 Banffed Rd, Estlea	bizzyshamic@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	
	20 Jonason Murapa	2 Durland Close, Mt pleasant	murapaj@smm.co.zw	0772469992	
	21 E. Shava EHLALICEM			07733939380	
	22 Charles Mutasa	546 Goodhope, Westgate	cmutasa@gmail.com	0772415720	
	23 Richard gatsi	13 Honister rd, Borrowdale		0774013458	
	24 Eliackem Shava	16506 Sunningdale 2	0775 206 773.	0733939380	
	25 Masimba Mutsikadowo	2413 Tynawld South		0775913270	
	26 Lewis Gurupira	17A Crichton Avenue,	lewisgmg@gmail.com	0772419105	

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

