Producer	Surve	v No.:		
Producer	Surve	y INO.:	 	

University of Missouri Center for Agroforestry

Shiitake Mushroom Market Research

2006

The goal of this study is to broaden market opportunities for all individuals and businesses in the shiitake mushroom marketplace. The specific objective is to strengthen networks of suppliers, processors and retailers. Your answers to the survey will help to provide a more detailed understanding of the shiitake mushroom marketplace and the forces that impact this market. Survey results will be compiled, interpreted, and summarized in a report that will provide you with valuable information for developing market strategies and identifying the potential for growth in this market.

Your answers are completely confidential and will be released only as summaries in which no individual's answers can be identified. This survey is voluntary. However, you can help us very much by taking a few minutes and answering the following questions.

Thank you very much for your participation. Your help is greatly appreciated.

1. General questions

1.1	In which activities are you involved? (Please check all that apply):
	Sell growing supplies for shiitake mushrooms
	☐ Spawn
	Growing kit
_	Tools and other supplies
	Sell fresh shiitake mushrooms, in bulk
	Sell fresh shiitake mushrooms, packaged
	Sell other specialty mushrooms, fresh
Ц	Produce and sell value-added products:
	☐ Frozen shiitake mushrooms ☐ Dried shiitake mushrooms
	Soup mixes with shiitake mushrooms
	Shiitake mushroom meals
	☐ Shiitake mushroom sauce
	☐ Gift packs with shiitake mushrooms
	☐ Medicinal products with shiitake
	Other shiitake value-added products (please specify):
	Other specialty mushroom value-added products (please specify):
	Other specialty mushroom value-added products (please specify):
	Distributor / broker for other growers that are located:
	☐ Locally
	☐ Nationally
	☐ Internationally
	Sell specialty mushroom related products
	Books
	Video, DVD
	Mugs Others (places appeils):
	Others (please specify):
1.2	Where do you grow the shiitake mushrooms? (please check all that apply)
	□ Outdoors
	☐ Indoors
1.3	What growing medium do you use to grow shiitake? (please check all that apply)
	☐ Natural wood logs. Please specify what kind of logs do you use? (type of wood, diameter)
	☐ Sawdust
	Other. Please specify
4 4	
1.4	If you use natural logs, do you supply your own wood?
	☐ Yes
	☐ No How much do you pay for the logs (\$/cord)?
	How many logs do you buy (per year)?
	What kind of logs do you buy (e.g., red oak, white oak, sugar maple, etc.)?

sides shiitake?	
do you grow? (Plea	se check all that apply
Outdoor	Indoor
	d name (name, design competitors)?
□ No	
Why not?	
Why not? (Go to 1.8.1)	
	do you grow? (Plea

1.9 Do you advertise your shiitake mushrooms / prod	ucts?
□ Yes	□ No
What types of advertising do you use? (please check all that apply)	Why not?
 □ Website □ Magazines □ Newspapers □ Billboards □ Radio □ TV □ Flyer □ Catalog □ Other (please specify): (Go to 1.10) 	(Go to 1.9.1)
1.9.1. Do you plan to use advertising in the future?	☐ Yes ☐ No ☐ Maybe
1.10 What do you do to generate publicity? (please of	check all that apply)
 Nothing Sponsor community events Participate with a booth in a fair Offer free samples Publish news releases on the Internet Send news releases to local newspapers / radio statio Collaborate with charities Others (please specify): 	
1.11 Where do you get your information about growi that apply)	ng shiitake mushrooms?(please check all
□ Supplier □ Cooperative Extension □ University Researchers □ Growers association □ Other growers □ Internet □ Magazine □ Workshops □ Others	
1.12 Is farming for you a:	
☐ Full time occupation☐ Part time occupation☐ Hobby	
1.13 If farming is a part time occupation or hobby, w	hat is your primary occupation?

1.14 What is your a	approximate a	annual gross :	sales figu	are fro	om shiitake mushrooms?
□ Less than \$5,00 □ \$5,000 - \$25,000 □ \$25,000 - \$50,00 □ \$50,000 - \$100,000	0 00			\$500, \$1 mi	,0000 - \$500,000 ,000 - \$1 mill. ill \$5 mill. than \$5 mill.
1.15 What percer your total farming		s of annual gro	ss sales)	do si	hiitake mushrooms represent from
Own production Total amount sold as				al farn	n gross sales)
					hiitake mushrooms represent from cialty mushrooms in total)?
Own production Total amount sold as					es) / mushroom gross sales)
1.17 How large is y	our shiitake ı	mushroom pr	oduction	oper	ation?
	2003	2004	2005	5	
Log-grown					
Number of logs					
Pounds/ year					
Sawdust-grown		1			
Pounds/ year					
1.18 How long have	e you been in	the shiitake ı	mushroo	m pro	oduction business?
☐ Less than 1 yea	r			1	1 - 20 years
☐ 1 - 5 years				1 2	1 - 30 years
☐ 6 - 10 years				☐ m	nore than 30 years
1.19 Is your shiitak	e mushroom	production:			
□ Conventional□ Pesticide free□ Organic certified□ Organic non-cer					
1.20 What percenta certified organic?		your certified	d organic	shiit	ake mushroom production is sold as
1.21 During which	months of the	e year do you	sell <u>fres</u> l	<u>h</u> shii	itake mushrooms? (circle all that apply)
Jan. Feb. Mar. Ap	or. May June	July Aug. Se	ep. Oct. I	Nov.	Dec.
☐ Year round					
□ None					
1 22 During which	months of the	e vear do vou	sell valu	e-adc	ded shiitake mushroom products?
Jan. Feb. Mar. Ap					
☐ Year round	on way ound	July Aug. De	ρ. Ουί. i	100.	200.
□ None					

Dollars / ye	ear	Poun	ds/year
2 How did you obtain t	he capital to start t	ne mushroom produ	ction business?
Self financed		Partners	
Bank loans		Other	
3 How long did it take f (Revenues exceeded e		shroom production	business to become profita
years			
Not profitable yet after	years		
.4 Do you hire people to	help you with pro	duction of fresh or v	alue-added shiitake mushro
☐ Part time (how many)	For what ρι	rpose(s)	
J No		,	
			e select the top five critical
esources by checking the a	appropriate boxes. R	ank checked boxes in e least important)	order of importance with a nu
esources by checking the a	appropriate boxes. R st important and 5 th	ank checked boxes in e least important) ources Ran	order of importance with a nu
esources by checking the a	appropriate boxes. Rest important and 5 th	ank checked boxes in e least important) urces Ran skills	order of importance with a nu
esources by checking the a	expropriate boxes. Rest important and 5 the Critical resource. Production	ank checked boxes in e least important) urces Ran skills	order of importance with a nu
esources by checking the a	Critical rescues Business s	ank checked boxes in e least important) urces Ran skills kills	order of importance with a nu
resources by checking the a	Critical resorting Business s Market known	ank checked boxes in e least important) urces Ran skills by wledge	k
resources by checking the a	Critical rescuences appropriate boxes. Rest important and 5 the Critical rescuences appropriate boxes. Rest important and 5 th	ank checked boxes in e least important) urces Ran skills kills bwledge lability	k
resources by checking the a	Critical rescuences appropriate boxes. Rest important and 5 the Critical rescuences appropriate boxes. Rest important and 5 th	ank checked boxes in e least important) Furces Ran Skills kills by ledge lability credit	k
resources by checking the a	Critical resormance of the strimportant and 5 the strimportant and 5 the critical resormance of the cr	ank checked boxes in e least important) Furces Ran skills kills bwledge lability credit cial resources	k
	Critical resormance of the strimportant and 5 the strimportant and 5 the critical resormance of the cr	ank checked boxes in e least important) furces Ran skills kills wledge lability credit cial resources equipment information	k
resources by checking the a	Critical resormance of the strimportant and 5 the strimportant and 5 the critical resormance of the cr	ank checked boxes in e least important) furces Ran skills kills wledge lability credit cial resources equipment information	k
resources by checking the a	Critical resormance of the strimportant and 5 the strimportant and 5 the Critical resormance of Production of Business sormance of Access to Own finance of Production of Other (pleasest of Cother (pleasest of December 2).	ank checked boxes in e least important) Furces Ran Skills kills wiledge lability credit cial resources equipment information ase specify)	k
resources by checking the a	Critical resormance of the strimportant and 5 the strimportant and 5 the Critical resormance of Production of Business sormance of Access to Own finance of Production of Other (pleasest of Cother (pleasest of December 2).	ank checked boxes in e least important) Furces Ran Skills kills wiledge lability credit cial resources equipment information ase specify)	k
resources by checking the a	Critical resormance of the strimportant and 5 the strimportant and 5 the Critical resormance of Production of Business sormance of Access to Own finance of Production of Other (pleasest of Cother (pleasest of December 2).	ank checked boxes in e least important) Furces Ran Skills kills wiledge lability credit cial resources equipment information ase specify)	k
resources by checking the a from 1 to 5 (1 being the mos	Critical resormance of the strimportant and 5 the Critical resormance of th	ank checked boxes in e least important) Furces Ran Skills kills bwledge lability credit cial resources equipment information ase specify) Ishroom production	business?
resources by checking the a from 1 to 5 (1 being the mos	Critical resormance of the strimportant and 5 the Critical resormance of th	ank checked boxes in e least important) Furces Ran Skills kills bwledge lability credit cial resources equipment information ase specify) Ishroom production	k

3. Suppliers

Others (please specify)

3.1 Who is / are your primary supplier(s) for your shiitake mushroom production? Please specify.

Item				Ν	lame of pr	imary supplie	er	
Spawn supplier								
Growing medium (logs/ saw	dust)							
Tools and supplies	,							
Packaging								
3.2 Do you have alternative suppliers?								
Spawn supplier			Yes		No			
Growing medium (logs/ sawdust)			No					
Tools and supplies	,		Yes		No			
Packaging			Yes		No			
3.3 Do you have cor	ntractua	ıl arrang	gements	with yo	ur suppli	ers?		
Spawn supplier		П	Yes		No			
Growing medium (logs/ saw	dust)		Yes	_	No			
Tools and supplies	adotj		Yes		No			
Packaging								
		_	Yes		No			
3.4 How would you of following characteristics:		e the sp	oawn ava	ilable t	hrough sı	upply chann	els	in terms of the
Quality	☐ Go	od			Average			Poor
Availability	☐ Re	adily av	ailable		Average			Hard to obtain
Stability	☐ Sta	able sup	ply		Average			Unstable supply
4. Buyers								
Where, and for how m apply)	uch, do	you se	ll your <u>fr</u>	<u>esh</u> shi	iitake mus	shrooms? (p	leas	se check all that
					Check	Log-grow	<u>n</u>	Sawdust-grown
Buyer	catego	ry			for yes	Price	ni4	Price
On farm sales						(range) /u	IIIL	(range) /unit
Online, direct to consumer								
Catalog sales								
Farmers market								
Restaurant								
Distributor / Broker								
Wholesaler								
Health and Natural Food Sto	ore							
Up-scale grocery store (Wild	d Oats, '	Whole F	oods Mai	rket)				
National chain grocery store	(Schnu	ıcks, Hy	Vee, Kro	ger)				
Discount grocery store (Wal	-Mart)							

Given the choice, where or how do you prefer to sell? Please select the <u>top five</u> buyers by checking the appropriate boxes. Rank checked boxes in order of preference with a number from 1 to 5 (1 being the most preferred and 5 the least preferred)

	Buyer category	Rank	
	On farm sales		
	Online, direct to consumer		
	Catalog sales		
	Farmers market		
	Restaurant		
	Distributor / broker		
	Wholesaler		
	Health and Natural Food Store		
	Up-scale grocery store (Wild Oats, Whole Foods Market)		
	National chain grocery store (Schnucks, HyVee, Kroger)		
	Discount grocery store (Wal-Mart)		
	Others (please specify)		
4.0	5 If you sell in bulk through a wholesaler or retailer, plea 6 With what percentage of your regular buyers do you h 7 How do you work with your buyers to insure that mus	nave contract	ual arrangements?%
	ow would you describe your primary marketing area for sur sales does each area represent? (Please check all that a		nrooms? What percentage
□ R	ocal (within 75 mile radius) (%) egional (between 75 and 200 mile radius) (%) ational (%) hternational (%)		
	hat methods of shipment do you use to transport your sl k all that apply).	hiitake mush	rooms to the market?
□ U □ U □ B	virect to market (own vehicle) Ise shipping company (USPS, UPS, FedEx) Ise refrigerated freight Ise non-refrigerated freight Ise yer/ broker responsible for pick up and shipment		

☐ I don't know

<u>years</u> :	e changes in dem			
	Less than 10%	10% - 25%	25 – 50%	More than 50%
☐ Increased				
☐ Remained stable				
Decreased				
☐ I don't know				
4.11 How would you des	scribe demand for	r <u>fresh</u> <u>log-grow</u>	<u>ın</u> shiitake m	ushrooms at the <u>p</u>
Strong demandSteadyWeak demandI don't know				
4.12 Is current demand	for <u>fresh log-grov</u>	<u>vn</u> shiitake mus	hrooms:	
☐ In excess of supply☐ Equal to supply☐ Below supply☐ I don't know				
4.13 Please estimate the years:	e trends in deman	d for <u>fresh log-</u>	grown shiital	ke mushrooms in t
<u></u>	Less than 10%	10% - 25%	25 – 50%	More than 50%
Increasing				
☐ Remaining stable				
☐ Remaining stable	_	_	_	_
☐ Remaining stable ☐ Decreasing				
☐ Remaining stable ☐ Decreasing ☐ I don't know	mand, are you ab	le to maintain a	steady supp	
Remaining stable Decreasing I don't know 4.14 In order to meet de Yes Yes, from own production of the general stable	mand, are you ab	le to maintain a	steady supp	
Remaining stable Decreasing I don't know 4.14 In order to meet de Yes Yes, from own production of the general contents	mand, are you ab	le to maintain a	steady supp	oly of fresh shiitak
Remaining stable Decreasing I don't know 4.14 In order to meet de Yes Yes, from own pr Yes, from other g Others	mand, are you ab	le to maintain a	steady supp	oly of fresh shiitak
Remaining stable Decreasing I don't know 4.14 In order to meet de Yes Yes, from own pr Yes, from other g Others	mand, are you ab oduction rowers	le to maintain a	steady supp	oly of fresh shiitak
Remaining stable Decreasing I don't know 4.14 In order to meet de Yes Yes, from own pr Yes, from other g Others	mand, are you ab oduction rowers	le to maintain a	steady supposed shiitake	Dly of fresh shiitake

4.16 How would you de time?	scribe demand fo	r <u>value added</u> s	hiitake mushi	oom products at	the <u>present</u>
Strong demandSteadyWeak demandI don't know					
4.17 Please estimate th years	e trends in deman	d for <u>value add</u>	<u>ed</u> shiitake m	ushroom produc	ts in the <u>next</u> <u>five</u>
	Less than 10%	10% - 25%	25 – 50%	More than 50%]
Increasing		Г		П	
☐ Remaining stable]]	1
☐ Decreasing					
☐ I don't know					
5. Substitutes/ Altern	natives				
		batitustaal fan a	مامدينهم معادمات		of muino?
5.1 What other produc	ets (if any) can be s	substituted for s	sniitake musn	rooms in terms (of price?
Lower price	Same prid	<u>ce</u>	<u>Hi</u> ç	<u>jher price</u>	
5.2 How do these subs benefits and availabilit		vith shiitake mu	ishrooms in t	erms of quality, r	nutritional
Lower price substitute					
Quality	☐ Higher	☐ Sam	ne	Lower	
Nutritional benefits	☐ Higher	☐ Sam	ne	☐ Lower	
Availability	☐ Better	☐ Sam		☐ Less	
Equal price substitute					
Quality	☐ Higher	☐ Sam	ne	☐ Lower	
Nutritional benefits	☐ Higher	☐ Sam	ne	Lower	
Availability	☐ Better	☐ Sam	ne	Less	
Higher price substitute		•			
Quality	Higher	☐ Sam		☐ Lower	
Nutritional benefits	Higher	☐ Sam	ne	☐ Lower	
Availability	☐ Better	☐ Sam		☐ Less	
5.3 Are there opportur	nities in the marke	t for new specia	alty mushroo	m types?	
☐ Yes ☐ No	•				
If yes, which ones?					
6. Competitors					
6.1 How many other fa	nrms in <u>your area</u>	within 75 mile ra	dius) produce	shiitake mushro	oms?
6.2 Compared to other	local shiitake ope	erations, is you	r production	operation	
□ Smaller than aver		· •	J Larger than	· _	don't know
6.3 Over the past five radius):	<u>years,</u> has the nur	nber of shiitake	mushroom f	arms in <u>your area</u>	<u>a</u> (within 75 mile
☐ Increased	☐ Remaine	d stable	☐ Decreased	d 🗆 1	don't know

	ased on your best e ur area:	estimate, over the	next five year	<u>s,</u> will the nu	umber of shiitake	mushroom farms
ſ	☐ Increase	☐ Remain s	table	□ Decrea	ise \square	I don't know
6.5	5 In your opinion, h	now competitive i	s the <u>log-grow</u>	<u>n</u> shiitake m	ushroom industi	ry?
	☐ Highly competit	tive				
	☐ Moderately con					
	☐ Non competitive	•				
	☐ I don't know					
ad	What are your top vantages by checking mber from 1 to 3 (1 b	g the appropriate I	ooxes. Rank che	ecked boxes	in order of importa	
_	Competitive adva	ntage	Rank			
	☐ Skills					
	Resources					
	Quality					
	Quantity					
	Customer se	rvice				
	☐ Market know	ledge				
		upply				
	Others (please					
6 -				a log grown	chiitaka muchra	om production
0.7	7 Please describe the over the past five		e ioi youi <u>iresi</u>	<u>ı log-grown</u>	Silitake iliusilio	om production
		Less than 10%	10% - 25%	25 – 50%	More than 50%	6
	Increased					-
	Remained stable					
	Decreased					
	I don't know					
6.8	8 Please estimate th		for your <u>fresh</u>	log-grown	shiitake mushroo	m production
	over the <u>next</u> <u>five</u>	<u>years</u> ?				
		Less than 10%	10% - 25%	25 – 50%	More than 50%	, 5
	Increasing					
	Remaining stable			T ==		
	Decreasing					
	I don't know					
6.9	Please estimate the next five years		for your <u>value</u>	added shiit	ake mushroom p	roducts over
		Less than 10%	10% - 25%	25 – 50%	More than 50%	o l
	Increasing					
	Remaining stable			ı		
	Decreasing					
	I don't know					

7.	Governmental policies
	1 Are there any policies (local, state or national) that make it difficult to enter the shiitake room market?
	2 Are there any policies (local, state or national) that are helpful to entry into the shiitake room market?
8.	Location
W	hich state, county (and city) is your business located?
In or	der to develop a market analysis that is as comprehensive as possible, please identify up to shiitake mushroom <u>producers</u> and two shiitake mushroom <u>sellers</u> that we can contact include in our survey.
	y, contact name, address, phone number, fax number, e-mail, website.
Seller	s_(wholesalers/distributors/retailers): ny, contact name, address, phone number, fax number, e-mail, website.

Thank you very much for your time and effort!