



Mushroom Organic System Plan

Account # _____
Name: _____
Date: _____
Year: _____

GENERAL INFORMATION AND DESCRIPTION OF PRODUCTION NOS §§205.201, .202, .272

Areas and facilities listed below must be identified on attached **maps**. Outdoor areas must have clearly defined boundaries and buffer zones, which also must be indicated on **maps**. Refer to the following descriptions for describing your production.

- 1) **Spawn (and substrate)**. Spawn will grow mushrooms alone, but does better when inoculated onto a mushroom production substrate. (ie plug/dowel spawn)
- 2) **Ready to use Spawn (RTU - ready to fruit)**. RTU spawn kits are a complete product that is considered as ready to fruit mushrooms without changing the container and is required by NOP to be certified organic in order for an organic grower to produce certified organic mushrooms for sale.
- 3) **Mushrooms (edible fruit)**. Mushrooms can be produced a few different ways:

1. Select mushroom products requested for organic certification (select all that apply) See descriptions above.

☐ **Organic Spawn**

☐ **Organic Ready to Use Spawn (RTU - ready to produce mushrooms)**

☐ **Organic Mushrooms**

2. Give a brief overview of your system used for mushroom spawn, ready to use spawn or mushroom production. *List inputs on the **Input Inventory** and submit product labels and ingredient information for inputs not OMRI listed or previously approved by MOSA.*

3. Describe all organic mushroom production areas/facilities in the table below.
*In the "Identification" column, list the harvest area ID as listed on your attached **map(s)**.
In the "Description" column, list the type of production system, such as logs, bags, beds, etc.*

Organic Mushroom Facilities

Identification	Location	Description	Size (list as sq. ft. or acreage)	Mushroom Common name	Type of product

--	--	--	--	--	--

Additional Comments:

4. How are outdoor production areas managed during the entire mushroom growing period?

5. Do you have any nonorganic mushroom production?

☐ **Yes** ☐ **No**

6. If "yes," list all nonorganic mushroom production areas/facilities in the table below. *Areas/facilities listed below must be identified on **map(s)**.*

Nonorganic Mushroom Facilities

Identification	Location	Size (list as sq. ft. or acreage)	Description	Also used for Organic?	Mushroom Common name

Additional Comments:

7. If you produce nonorganic mushrooms, how do you prevent commingling and contamination of your organic mushrooms? *Check all that apply.*

- ☐ **organic mushrooms are labeled**
- ☐ **separate production facilities are used**
- ☐ **separate equipment is used**
- ☐ **equipment is cleaned before use**
- ☐ **other**

8. If "other," explain.

9. What records do you maintain to document the separation of organic and nonorganic mushrooms through all phases of your operation?

SOURCES OF SPAWN NOS §§205.105, .201, .203, .204

MOSA requires that organic spawn be used to produce organic mushrooms when commercially available. Nonorganically produced spawn that have not been treated with a prohibited substance and have not been raised on genetically modified substrate may be used when organic spawn are not commercially

available. Mushroom strains used must not be genetically engineered. Document your organic spawn search on the **Organic Search** form.

10. List all spawn used in the table below.

Spawn Sources

Spawn type (grain, dowel, liquid, etc)	Mushroom Common name	Organic?	Source	Certifier

Additional Comments:

11. If any nonorganic spawn is used, what verification do you have that prohibited substances were not applied during spawn production, and that spawn and spawn substrate were not genetically engineered?

12. **SOURCES OF READY TO USE SPAWN** NOS §§205.105, .201, .203, .204.
Ready to use spawn must be certified organic in order to produce organic mushrooms. *Provide an organic certificate.*

Ready to Use Spawn Sources

RTU Spawn Type (inoculated bag, block, log, kit)	Mushroom Common name	Source	Certifier

Additional Comments:

13. **SUBSTRATE:** Sawdust, logs, or wood products used for spawn substrate or mushroom production substrate must not be from wood treated with prohibited substances. Submit an **Off-Farm Manure and Bedding Verification** form or **Naturally Produced Verification** form for sawdust, logs, or other wood products used as a substrate. Manure used for substrate must be fully composted in accordance with National Organic Standards composting requirements §205.203(c) or meet processed manure requirements in NOP 5006.

Indicate substrate materials used. *Select all that apply. Substrate type, source and compliance verification must be included on the Input Inventory.*

- ☐ **logs - Submit a Naturally Produced Verification form**
- ☐ **sawdust or other wood products - Submit a Naturally Produced Verification form**
- ☐ **manure - Submit an Off-Farm Manure and Bedding Verification form and verification showing it is fully composted or processed to the NOP requirements.**
- ☐ **agricultural sources (grains, hulls, cobs)**
- ☐ **natural materials (gypsum, coco coir, vermiculite, brewers grains) - Submit a Naturally Produced Verification form as appropriate**
- ☐ **other (describe other below)**

14. If "other", describe here:

SANITATION NOS §§205.105, .201, .272

Inputs for controlling microbial contamination for organic mushroom production must be approved per NOS §205.105. The National Organic Standards require that prohibited substances do not compromise the integrity of the organic mushroom system. Prohibited sanitizers and disinfectants must not be applied to organic mushrooms or growing substrate. Use of chlorine and all other products must follow National Organic Standards annotations/restrictions.

15. SANITIZERS AND DISINFECTANTS:

Describe sanitation procedures. List inputs on the Input Inventory and submit product labels and ingredient information for inputs not OMRI listed or previously approved by MOSA.

16. How do you ensure inputs/cleaners/sanitizers do not contaminate organic products? Note N/A if not applicable.

17. **COMPLETE:** Is your Organic System Plan complete?

- ☐ **Yes** ☐ **No**