

Certified Naturally Grown Mushroom Inspection Forms

I affirm that I will make every effort to ensure that the information I provide during the inspection process is complete and accurate.

Inspector's name (print)	Initials	Date	
Farmer's name (print)	Initials	Date	

INSTRUCTIONS

The goal of the inspection is two-fold. Firstly, the inspection aims to verify that the CNG standards are being upheld. Just as important, the inspection offers an opportunity for producers to systematically review their practices with the inspector and reflect on how to improve sustainability in their operation. Certification is not final until the inspection report is reviewed by CNG staff. Any practices which might not be in keeping with CNG standards should be noted. CNG staff can review and help the inspector to determine next steps. Rest assured that some non-compliances may be remedied easily and don't provide grounds for excluding a producer from certification.

The Inspector should:

- Use the Worksheets to guide questions to determine compliance with CNG standards.
- Record what is discussed on the Worksheets.
- Offer feedback and recommendations to improve practices and operations.
- Help the producer set sustainability goals.
- Complete these sections: Inspection Overview, Summary Inspection Report, and Inspector Contact Information.
- Review List of Inputs on page 10.

The Producer should:

- Before inspection: Complete the List of Inputs on page 10 for the inspector to review on-site.
- Gather relevant records including water test results, notes on inquiries to water experts, and spawn and substrate records.
- <u>During</u>: walk through operation with inspector, answering questions and sharing openly.
- Complete the Sustainability Goals section
- Indicate one of your goals on the bottom of the Summary Inspection Report.
- After: Return all worksheets to CNG (scanned image or fax is fine) and keep a copy for your records.

PLEASE REMEMBER: It is easy to get side-tracked into specific conversations and discussions. Do that *after* the inspection is complete. Stay on track and perform a thorough inspection of the operation.

INSPECTION WORKSHEETS

I. Substrate, Containers & Other Materials			
A. What types of mushrooms are being produced at this operation?			
 ☐ Shiitake (Lentinula) ☐ Oyster mushrooms (Pleurotus) ☐ King stropharia, garden giant, wine cap (Stropharia) ☐ Reishi (Ganoderma) ☐ Enoki, velvet foot (Flammulina) ☐ Maitake, hen of the woods (Grifola) 	□ Butterscotch mushroom (Nameko) □ Lion's mane, pom-poms (Hericium) □ Chicken of the woods (Laetiporus) □ White button, portabella (Agaricus) □ Other:		
B. Substrate & Supplements			
(i) What substrate material(s) does the producer use? Plea note here any substrate or supplements that are not menti	· · · · · · · · · · · · · · · · · · ·		

(ii) <u>Allowed:</u>		
☐ Logs and wood products from untreated and non-GMO wood	☐ Straw, agricultural bypro	oducts, grains from non-GMO
☐ Coffee grounds (with or without filters)	☐ Gypsum	
(iii) Allowed, with restrictions:		
□ Logs (a) Were logs obtained in adherence to any state o products?	r local quarantines of forest	a. □ Yes □ No *prohibited
(b) If logs were harvested specifically for mushroom production, was it done with consideration for good management practices or forest improvement?		b. □ Yes □ No * <i>prohibited</i> □ Not Applicable
☐ Manure (c) Is it from animals that receive feed that's not cound GMO free?	nventionally grown, and is	c. □ Yes □ No *prohibited
(d) Is the manure either pasteurized or composted?	? Which?	d. □ Yes □ No *prohibited
(e) If it's composted manure, does it have an initial and is maintained at a temperature between 131-1 using an in-vessel or static aerated pile system, or composting system, where the materials are turned	70°F for either (1) 3 days (2) 15 days using a windrow	e. □ Yes □ No *prohibited
☐ Agricultural byproduct from cotton, corn, soy or other	crops that are typically	
genetically modified (f) Have you verified that the substrate is not from a	a GMO crop?	f. □ Yes □ No *prohibited
(iv) Prohibited: *if any are checked, see (a)-(c).		
	☐ Clothing and other fabrics	
	☐ Municipal compost☐ Wood or wood products tre	ated with herbicides
D Danar (aveant aeffec filters)	☐ Wood or wood products that contain	
☐ Manure from animals that are fed GMO or	additives	
☐ Manure that is not pasteurized or properly composted	☐ Wood from rare trees, or tra quarantine	ansported in violation of any
*If any prohibited substrate materials are used: (a) Which materials? For what type/s of mushroom?		
(b) Is the producer willing and able to discontinue using these immediately? If not immediately, by when can they discontinue use?		
(c) Is there anything else you'd like to add that may certification?	help us determine the status o	of this producer's
C. Substrate Sterilization and Pasteurization		
(i) If the producer uses substrate that is sterilized of	or pasteurized, what methods	and materials does s/he use?
Please complete the section below, and also note here any materials not addressed there. Are any of these materials cause for concern?		

(ii) <u>Allowed</u> :			
☐ Burnt wood ash to make a treatment solution	☐ Rubbing alcohol, hydro	gen peroxide, or diluted	
☐ Cold water fermentation	bleach solution (5% so cooling surface	dium hypochlorite) to sanitize	
☐ Calcium hypochlorite for pasteurization	☐ New drums or other co	ntainers	
☐ Yucca extract as wetting agent	☐ Non-potable water	ntainers	
(iii) Allowed, with restrictions:	i Non polable water		
· · ·			
☐ Used drums or containers (a) Has the producer verified from the source that the	o containere never	a. □ Yes	
contained toxic materials?	e containers never	□ No *prohibited	
☐ Hydrogen peroxide to make a treatment solution		·	
(b) Is the treatment solution allowed to stabilize before	e discarding?	b. □ Yes	
	· ·	□ No *prohibited	
☐ Hydrated lime to make a treatment solution			
(c) Is the treatment solution balanced back to pH 7 b	efore disposal?	c. □ Yes	
		☐ No *prohibited	
(iv) Prohibited: *if any are checked, see (a)-(c).			
☐ Drums or containers that may leach during pasteurization or sterilization process	☐ Used drums or contained materials	ers that contained toxic	
☐ Used drums or containers with unknown prior uses	☐ Synthetic wetting agent	te	
*If any prohibited materials are used:			
(a) Which materials?			
(b) Is the producer willing and able to discontinue using these immediately? If not immediately, by when can they discontinue use?(c) Is there anything else you'd like to add that may help us determine the status of this producer's certification?			
D. Substrate Disposal			
Required: • Used substrate must be composted, either on-site or elsewhere, and returned to the soil, unless the used substrate can be put to other continued productive use. • Composted and composting substrate must be stored in a way that it won't leach nutrients into waterways. Prohibited: • Discarding spent substrate materials into the solid waste stream (such as curbside pickup in towns, or transfer			
stations in rural areas). • Allowing composted and composting substrate to leach nutrients into waterways. (i) How does the producer re-use, recycle, and/or dispose of used substrate?			
(1) Then does and produces to does, reception, and of dispos			
(ii) What measures does the producer take to ensure composted or composting substrate doesn't leach nutrients into waterways?			
(iii) If neighbors are nearby, how does the producer ensure that composting substrate does not become a nuisance? Does the producer take steps to keep the area neat and tidy where it's visible to neighbors? Is there adequate fungus gnat and fly control?			

E. Containers, Racks, and Other Materials			
(i) Please review which materials are in contact with the producer's substrate, spawn, or fruiting bodies (for example, as racks, beds, containers, or other materials). Please complete the section below, and also note here any materials not addressed there. Are any of these materials cause for concern?			
(ii) Allowed ☐ Racks made of cedar, plastic, or metal ☐ Polypropylene ☐ Containers made of HDPE, MDPE, LDPE (high, medium, or low density polyethylene)	☐ Food grade cheese was caps on inoculated logs ☐ Plastic tarps and shade	x, plant wax, and beeswax for	
 (iii) Allowed, with restrictions □ Treated lumber (generally only allowed as frames for a. Does treated lumber come into contact with any sub □ Re-purposed (used) plastic containers for fruiting 		a. □ Yes *prohibited □ No	
b. Has the producer verified that the containers have n materials?	not contained toxic	b. □ Yes □ No *prohibited	
 (iv) <u>Prohibited:</u> *if any are checked, see (a)-(c). □ Containers or totes that previously held toxic materials, chemicals, or have unknown prior use 	☐ Polystyrene/Styrofoam☐ Railroad ties or treated	•	
 □ Plastics that contain BPA (Bisphenol A) □ Paint on inoculated logs □ Cheese wax made with ethylene-propylene copolymer, synthetic colors 	☐ Petroleum jelly on logs☐ Wax that is perfumed o	r dyed.	
*If any prohibited materials are used: (a) Which materials? How are they used?			
(b) Is the producer willing and able to discontinue using these immediately? If not immediately, by when can they discontinue use?			
(c) Is there anything else you'd like to add that may help us determine the status of this producer's certification?			
II. Spawn Allowed: • Pegs, grain, sawdust, plugs. • Unprinted cardboard for spawn production. • Spawn that is not certified. Prohibited: • Spawn made with materials prohibited for use as substrate, including GMO grain or feedstock, glue or other adhesives. (For full list see Section B(ii)-(iv) on pages 1-2.)			
(i) What source does the producer use for spawn? Is it put	rchased? Does the produce	er make their own?	
(ii) Does the producer ensure that spawn is not made with substrate?	GMO feedstock, or other n	naterials prohibited for use as	
III. Water Required: For ALL water sources, producers must make inquiried to be present in the area. Producers must keep records of these person contacted, and a list of which contaminants the expert(se inquiries, including the date,	, name and affiliation of the	

use, and results must fall below levels specified by EPA (see listing in back of these worksheets.)

A. Water Experts and Contaminants of Concern			
(i) What water quality experts were consulted by the producer?			
(ii) What contaminants of concern were identified by the water quality experts?			
(iii) Was the water tested for those contaminants? If not, why not?			
(iv) Examine the test results. Are they within acceptable levels? Note any contaminants that show levels that may be of concern, and any observations by the producer on their assessment of the test results.			
B. Well Water Allowed, with restrictions: Well water used to irrigate fruiting bodies must also be tested for E. coli once per year, and test results must be negative with no E. coli detected, in addition to the testing for any contaminants of concern identified by water quality experts. (i) Does the producer use well water to irrigate fruiting bodies?			
a. If so, does the producer test for <i>E.coli</i> once per year, and receive results of no <i>E.coli</i> detected? ☐ YES ☐ NO ↓ ↓			
b. Are they willing to start doing this in the future? ☐ YES ☐ NO *prohibited ↓ When?			
C. Surface Water Allowed, with restrictions: Surface water used to soak logs and irrigate non-fruiting substrate must be tested for E. coli at the beginning and middle of the season and levels must fall below 235 cfu/100ml. This is in addition to testing for any other contaminants of concern as identified by water quality experts. Prohibited: Surface water cannot be used to mist or irrigate fruiting bodies.			
 (i) Does the producer use surface water to do the following: □ soak logs or irrigate non-fruiting substrate □ mist or irrigate fruiting bodies *prohibited □ a. Does the producer test for E.coli at the beginning and middle of the season? 			
 □ YES □ NO *prohibited b. Do the test results indicate that there is no more than 235 cfu/100ml? 			
☐ YES ☐ NO *prohibited			
IV. Pest and Disease Management Required: • Use of monitoring and preventative practices to pro-actively control populations and prevent serious outbreaks.			
Recommended: • Producers are encouraged to use physical exclusion, santation, and biosecurity practices to prevent pests and disease. Allowed: • Light or sticky traps. • Bti treatment of substrate. • Encouraging beneficial predators. • Bleach, lime, hydrogen peroxide, or isopropyl alcohol to treat mold on substrate (not fruiting bodies). • Compressed air or small vacuum to remove			
thrips. • Diatomaceous earth. • Sluggo. Prohibited: • Synthetic pesticides. • Poison. • Blowing on fruiting bodies to eliminate thrips.			
A. What are the producer's biggest pest challenges?			

B. What practices does the producer use to prevent or manage these pests?
C. Does the producer use inputs for insect control? If so, indicate here what they are, and whether they appear to be allowed. (See list on page 10)
D. What are the main <u>disease</u> challenges the producer faces?
E. What practices does the producer use to prevent or manage these disease challenges?
F. Does the producer use inputs for disease control? If so, indicate here what they are, and whether they appear to be allowed. (See list on page 10)
V. Sustainability
A. Energy <u>Recommended:</u> Producers should aim to minimize energy use when making decisions about lighting, air circulation, and indoor temperature regulation. Producers should consider opportunities to use renewable energy to reduce fossil fuel use. What measures has the producer taken to conserve energy, improve energy efficiency, and/or use renewable sources?
B. What other steps has the producer taken to reduce the environmental impact or increase the sustainability of their operation?
VI. Site Location and Buffers
Required: Producers must maintain an adequate buffer between their operation and potential sources of contamination, such as from another farming operation, to minimize the risk of contamination from drift of pesticides, herbicides, and other prohibited substances. The required size of the buffer varies based on the neighboring activities, what substances are used, how they are applied, prevailing wind patterns, and any physical barriers between potential sources of risk and the mushroom production site. Prohibited: Substrate may not be directly placed on any surface contaminated with heavy metals or other synthetic pollutants.
For indoor producers:
ι οι πασοί ρισαασσίο.
A. How does the design and placement of the ventilation system prevent contamination from outside sources?

For outdoor producers:				
A. What is the land use on the land adj (i) What is sprayed?	A. What is the land use on the land adjacent to the production area? Is there risk of contamination by spray? If so:			
(ii) How frequently?				
(iii) How is it applied?				
B. Are there other factors that increase (i) What is the distance between the				
(ii) What are the prevailing wind patterns?				
(iii) Is there a windbreak (e.g. trees	and shrubs) that helps block drift	?		
(iv) Is there an agreement with neighbor about spraying times or practices that minimize potential drift?				
Did you address these items?				
☐ Substrate & fertility materials	□ Spawn	□ Plant diseases		
☐ Substrate disposal	□ Water sources & testing	☐ Sustainability		
☐ Sterilization & pasteurization	□ Pest management	□ Site location & buffers		
☐ Other materials	□ Disease management			

EDA Limits for C	Constituents in Paglaimad	
EPA Limits for Constituents in Reclaimed		
Water for Irrigation – Long Term Use		
	Mg/L	
Aluminum	5	
Arsenic	0.1	
Barium	0.1	
Boron	0.75	
Cadmium	0.01	
Chromium	0.1	
Cobalt	0.05	
Copper	0.2	
Fluoride	1	
Iron	5	
Lead	5	
Lithium	2.5	
Manganese	0.2	
Molybdenum	0.01	
Nickel	0.01	
Selenium	0.02	
Vanadium	0.1	
Zinc	2	

INSPECTION OVERVIEW

A. Describe notable or outstanding aspects of the operation. Co of your local network of mushroom producers. ©	nsider making this a tour site for a gathering
B. The inspector may find minor violations that aren't grounds fo	
should be addressed in order for the operations certification to b	
Corrective Actions be taken to bring the operation into stronger a principles? (These should also be noted in the Inspector Contact	•
should they be addressed (e.g. immediately, within two months,	,
should they be addressed (e.g. infinediately, within two months,	by flext year s inspection, etc):
Corrective Actions:	Time Frame:
Corrective Actions.	Tillie Frailie.
Corrective Actions.	Time I fame.
Corrective Actions.	Time Frame.
Corrective Actions.	Time Frame.
Corrective Actions.	Time Frame.
C. List any Corrective Actions from the last inspection and indicate	

SUSTAINABILITY GOALS: going beyond the core standards

This is to be completed by the farmer with the assistance of the inspector. It should remain onsite for future reference.

Sustainability is an ongoing process and is context specific. We are united by our commitment to caring for the earth and our families with the long-term view in mind. Certified Naturally Grown is largely focused on ecological sustainability; however, to ensure the continued success of any farm it's important to include the economic and social aspects of sustainability as well.

The farmer should take this opportunity to reflect on and set some goals for improving sustainability on his or her farm using the inspector as a sounding board. These may be short-term or long-term goals and could be in any of the following areas or others:

- Water: Use efficiency, rain water capture, run-off prevention, protecting wetlands and waterways
- Inputs: Use efficiency, reducing use, replacing with local products and/or preventative practices
- Biodiversity: Protecting/providing habitat for wildlife, buffering wild areas, supporting beneficial insects
- Energy: Energy efficiency, renewable energy
- Waste: Reduction, reuse, recycling
- Economic viability: Maintain/improve the bottom line; pay yourself and staff fair wages.
- Engaging the community: Educate the public, increase food access

For the farmer being inspected: What are 3 goals for improving sustainability of your operation in the short term and long term? Discuss strategies to achieve these goals.

Goal	Time frame	Steps necessary to make it happen
1.		
2.		
•		
3.		

LIST OF INPUTS

List all inputs used for supplemental nutrients, pests, and disease. You may also use a separate page. To expedite the process, this list may be completed beforehand by the producer and then reviewed on site by the inspector. Alternatively, the inspector can fill it in during the inspection. This sheet should remain onsite for next year's inspection. It may be used again, and edited as needed. Feel free to type your list on the computer!

For reference you can see a link to the Guidance on Substrate Materials at www.naturallygrown.org/mushrooms. It is not a comprehensive list, but includes the most common inputs. If you have a question on a specific product, you can do a quick search on the OMRI database (online at www.omri.org) or contact CNG. (Note that not all OMRI-approved products are appropriate for mushroom operations.)

CNG encourages pest and disease management practices that are:

- Preventative, such as cultural practices and sanitation
- Mechanical and physical practices, such as exclusion, hand removal, lures and traps
- Biological, botanical or mineral products

NOTE: Inputs containing synthetic materials, or that are a byproduct of a GMO crop, are not allowed.

Product	Use	Frequency
How does the producer evaluate whether or not a product is approved for use in CNG production?		
Are there any inputs that could be eliminated cultural practices? Could any be replaced wit locally?		

------! NOTE! ------

The following section (the Summary Inspection Report) is the one that is scanned and made public on the farm's profile.

Certified Naturally Grown MUSHROOM SUMMARY INSPECTION REPORT

Producer/s:	Name of operation: _				
Inspector:	spector:Affiliation (e.g. farm name)				
The inspector is: Mushroom pi	roducer – CNG 🔲 Mushroom	producer – Cert Organic			
☐ Mushroom producer – non-cer	tified ☐ Soil-based farmer – CNG or Ce (as approved by CNG in advance)	ert Organic			
Date of the inspection:	ection last?:				
Was this inspection carried out ir	n person or via remote video?	In Person ☐ Remote Video*			
* Remote inspections are coordinated	d by CNG staff and must follow www.natu	rallygrown.org/remote-inspections-policy			
Based on my observations and declarations about the operation	interview with the producer(s), I feel	l confident in making the following			
The producer relies on precontrol, and does not use	eventative measures for pest chemical pesticides.	Agree / Disagree(Your initials)			
The producer is careful to modified or chemically treat	make sure that no genetically ated substrates are used.	Agree / Disagree(Your initials)			
The water used in this ope CNG standards for mushr	eration has been tested and meets com production.	Agree / Disagree(Your initials)			
	ed by an adequate buffer to nation from other sources nearby.	Agree / Disagree(Your initials)			
The producer is careful to production never containe	ensure containers used for ed toxic materials.	Agree / Disagree(Your initials)			
The producer strives to enhance the environmental benefits and minimize any potential negative impacts of mushroom production.		Agree / Disagree(Your initials)			
I feel confident in recommendin	g that the above listed producer(s) a	and their operation			
	be included not be in	cluded			
in the Certified Naturally Grown	program.				
Signature of Inspector	Date				
Signature of Farmer	 Date				
Optional: Attended by Two Additi	onal Customers, or by These Comm	unity Observers:			
Customer/Observer Signature		Title or Role			
Customer/Observer Signature	 Date	Title or Role			

INSPECTOR CONTACT INFORMATION

This information will be kept completely confidential but is required for this form to be valid, so we have the option to contact you with any follow-up questions or to confirm that you conducted the inspection and filled in this form.

Operation you inspected:				
Your Name:		Affilia	tion:	······································
Your Phone:		Your Email:_		· · · · · · · · · · · · · · · · · · ·
Your Mailing Address:				
Certification is not final until th with CNG standards should be				ny practices which might not be in keeping ector to determine next steps.
Do you recommend this	oper	ation for CNG certificat	ion?	
☐ I recommend this opera	ation	☐ I recommend this open with minor corrective		□ I don't recommend this operation for CNG certification
INSPECTION NOTES				
standards and/or principles	s? (Th∈	ese must also be noted in th	e Inspectio	nto stronger alignment with CNG on Overview on p.8.) Feel free to jot a note below your
				uploaded to the farm's profile.
□ Did you sign the □ Did you initial th	Sumr e agre	rm for certification, you're al mary Inspection Report at the e/disagree statements? farm name/affiliation on the	ne bottom?	Did the producer sign too?
Please return all inspectio	n doc	uments to CNG using one	of these r	methods:
Mail to:		Email to:		
Certified Naturally Grown PO Box 153	OR	forms@naturallygrown	.org	
Temple, NH 03084		* Free phone apps: iScanner or DocScan		merge all individual nto a single PDF file

We recommend a copy of these forms (or the original) is left with the producer whose operation was inspected.

Don't hesitate to contact us if you have any questions: forms@naturallygrown.org or 845-262-2551

ADDITIONAL CUSTOMER OR COMMUNITY OBSERVER CONTACT INFORMATION

This information will be kept completely confidential. We ask for it so we have the option to contact you with any follow-up questions. We sincerely thank you for being a part of the Certified Naturally Grown Community.

Fariii Name:	
Customer/Observer:	
Your Name:	
Your Role and/or Affiliation*:	
Your Phone:	
Your Email:	
Your Mailing Address: (Street)	
(Town, State, Zip)	
Customer/Observer:	
Your Name:	
Your Role and/or Affiliation*:	
Your Phone:	
Your Email:	
Your Mailing Address: (Street)	
(Town, State, Zip)	

* What roles do you play in the community? For example: customer, chef at Breakfast Bar, market manager at Green Park Market, librarian, reporter at Blue Stone Press, crossing guard, teacher, faith leader, soccer coach, mail carrier, etc.

Use the space below if you'd like to share any feedback with CNG. We welcome your input!