



MOFGA Certified Clean Cannabis (MC3) **APPLICATION PART 3 - OUTDOOR GROWN RAW PRODUCT**

*Please use this form to describe your management techniques and materials used to produce your certified **outdoor** grown products. If needed, use a separate piece of paper with the section number to provide additional information. **NOTE: Use this form only if you are growing outdoors and in the ground, raised beds or greenhouse.***

Name(s): _____

Company Name: _____

SECTION 1: SEEDS

NOT APPLICABLE- No seeds used. Please go to Section II.

1.1. Please identify your seed lineage and strain. (e.g. mother plant strain, lineage, seed cultivation process).

1.2. Please identify your seed source.

1.3. Do you use feminized seed? Yes No
List strain and seed source (attach list if necessary). Describe the seed source's process to produce feminized seed so we may confirm compliance. **NOTE: documentation from seed source is required.**

SECTION 2: SEEDLINGS, CLONES

NOT APPLICABLE- No seedlings/clones used. Please go to Section 3.

2.1 Do you use clones Yes No

2.2 Please provide strain, lineage of clones sold (mother plant history)

2.3 Please describe the cloning method:

- Plugs, pea pods, rock wool (list brand information on the materials list)
- Aeroponic
- Tissue culture (include description of process)
- Other (specify)

2.4 List all materials and products used in the cloning process.
Examples include: hormones, pesticides, fungicides, etc.

2.5 If pesticide/fungicide is used, please list target.

SECTION 3: SOIL and CROP FERTILITY MANAGEMENT

Note: Only soil-based growing will be certified by MOFGA.

3.1 Do you use a commercial soil mix product? Yes No

If YES, identify the source/brand. **Note: Your soil mix must be approved by MCS before you use it.**

3.2 Do you make your own soil/seedling mix? Yes No. If YES, please complete this table:

<u>Ingredients</u>	<u>% of whole mix by volume</u>	<u>Source</u>
<i>Example: Peat</i>	<i>25%</i>	<i>Agway brand (peat--nothing added)</i>

Please list all inputs used on your seedlings on the Material Input List.

3.3 What management techniques do you use to manage your soil and maintain or improve soil fertility?

- Adding lime/gypsum
- Adding fertilizer materials or blends
- Adding manure
- Adding compost
- Green manures
- Adding soil inoculants
- Use of Compost Tea/Microbial Tea (please list all ingredients on materials list)
- Other:

3.4 All amendments must be listed on the materials list.

3.5 How do you monitor soil fertility and quality?

- Soil observation
- Crop observation
- Weed observation
- Crop yield comparison
- Soil organic matter content
- Soil (nutrient) tests (please attach a copy of last results)
- Microbiological tests (please attach a copy of last results)
- Plant tissue tests (please attach a copy of results)
- Crop quality tests
- Other _____

3.6 Have you ever applied sewage sludge or compost made from sewage sludge?

Yes No.

If YES, when was the last time this material was applied and to what field?

3.7 Irrigation

3.7(a) Do you use irrigation? Yes No

If NO, continue to Section 4.

3.7(b) What is your method for irrigation?

3.7(c) What are the sources of irrigation water for your crop?

3.7(d) Do you apply fertilizers, pesticides, or other materials through your irrigation system? Yes No

SECTION 4: MANURE and COMPOST

4.1 Do you use un-composted manure? Yes No If NO, go to question 4.7.

4.2 What forms of manure do you use?

- Liquid or semi-liquid
- Solid & Fresh
- Aged Pile
- Pelleted
- Bagged dehydrated

4.3 What is the manure source?

- Own animals
- Commercial product, please list product name and manufacturer:

- Other farm(s), please list farm name and address:

4.4 Where is manure stored before it is spread?

4.5 What precautions do you take to prevent contamination of adjacent water bodies?

4.6 How do you use manure? Check all that apply.

Incorporated at least 90 days prior to harvest (edible parts of crops not in contact with soil)

Other: _____

4.7 Do you buy compost? Yes No

If YES, please identify the compost source(s), brand name(s) and manufacturer(s):

4.8 Do you make your own compost and apply it to cannabis crop? Yes No
If NO, go to Section 5.

4.9 Are manure or animal by-products used as ingredients in your compost?
 Yes No

4.10 Do you meet the manure waiting period after compost application? Yes No

4.11 List all feedstock and other materials used in your compost and the source.

Feedstock	Source
Example: <i>leaves</i>	<i>Own yard</i>

If you answered NO to Question 4.9 or YES to Question 4.10 you may go to Section 5.

4.12 Which compost method do you use?

Static Pile

Turned Pile

Windrow

Container

Other: _____

If in doubt about your method, please describe what you do:

4.13 What is the C:N (Carbon: Nitrogen) ratio of your compost?

4.14 Temperature

4.14(a) Do you monitor temperature? Yes No

4.14(b) What is the maximum temperature reached? _____

4.14(c) How long is the temperature maintained above 131°F? _____ Days

4.14(d) How many times do you mix or turn your compost?

4.15 Do you make and use compost tea from your compost? Yes No

If YES, Please describe how it is made and the materials added:

SECTION 5: PEST and DISEASE MANAGEMENT

5.1(a) What major crop diseases have you encountered?

5.1(b) What disease prevention strategies are you using?

- Crop rotation
- Selection of resistant varieties
- Field sanitation
- Timing of planting/cultivation
- Plant spacing
- Soil balancing
- Use of accepted products: *All products must be pre-approved by MCS and should be listed on your materials list.*
- Early removal of diseased plant
- Other: _____

5.2. Plant Competition

5.2(a) List any undesired plant competition (weeds) you have experienced with your crop.

5.2(b) What control methods will you use?

- Crop rotation
- Mechanical cultivation
- Livestock grazing
- Hand weeding
- Prevention of weed seed set
- Mulch
- Soil sterilization
- Corn gluten (from an organic source)
- Flame weeding
- Mowing
- Smother crops
- Use of accepted products: *All products must be pre-approved by MCS and should be listed on your materials list.*
- Other: _____

5.2(c) If you use plastic or other synthetic mulches, is the mulch removed at the end of the growing season? Yes No N/A

5.2(d) If you use newspapers or other recycled paper for mulch, do you remove glossy paper or paper with colored inks? Yes No N/A

5.3 Insect Competition

5.3(a) What major insects or other invertebrate pests have you encountered?

5.3(b) What strategies will you use to control pest damage to crops?

- Crop rotation
- Companion planting
- Release of beneficial insects
- Hand picking
- Beneficial habitat

- Time of planting
- Monitoring
- Fencing
- Traps
- Crop covers (e.g., Reemay, Agribon)
- Use of accepted products: *All products must be pre-approved by MCS and should be listed on your materials list.*
- Other: _____

5.3(c) If applicable, do have a current Agricultural Basic Pesticide License?

5.4 Wildlife/Vertebrate Competition

5.4(a) List major wildlife or vertebrate pests (rodents, deer, birds etc) that may impact your crop.

5.4(b) What strategies will you use to control pest damage to crops?

- Fencing
- Netting
- Traps
- Repellants
- Scare tactics
- Other: _____

SECTION 6: MAINTAINING CERTIFIED INTEGRITY

6.1 Commingling

6.1(a) Is any other agricultural production occurring on your farm? Yes No
If NO, continue to question 6.2.

6.1(b) Please list the crops and identify fields where they are grown:

6.1(c) What prohibited materials or methods are being used on non-cannabis crops?

6.1(d) What procedures will/do you use to prevent the commingling of certified with non-certified and transitional crops? (Include how you identify and separate allowed and prohibited materials.)

6.2. Contamination

6.2(a) Identify all potential point and non-point sources of chemical and biological contamination that **could** affect your crops.

Check all that apply:

- Agricultural chemical drift & runoff
- Powerline management
- Frontage on roads
- Industrial area
- Waste storage
- Irrigation water
- Flooding
- Treated lumber
- Transgenic or GE crops
- Contaminated feedstock for compost
- No sources of contamination evident
- Other: _____

6.2(b) If you identified any potential sources, please describe nature of contamination below. Identify source(s). If possible, provide the name and address of potential source.

6.2(c) Describe distances, buffer width, type of buffer, and efforts undertaken to reduce the risk of contamination (buffers must be identified on your field maps):

6.2(d) If keeping buffers, please describe how the boundaries and buffer zones collection areas are marked or otherwise indicated (tree lines, streams, signs etc.)?

6.3 Equipment

Does any of your equipment pose a risk to the integrity of your certified crops? Please check all that apply:

- Purchasing second hand equipment
- Sharing equipment with non-certified growers
- Using your own equipment on non-certified fields/crops
- Hiring equipment used on non-certified fields/crops

You are expected to clean or purge equipment that has been used on non-certified land or crops. You must have standard procedures for cleaning and purging, and keep records of these events for your inspector to verify. If you have questions, please contact MCS staff.

All cleaning products must be pre-approved by MCS and should be listed on your materials list.

SECTION 7: HARVESTING

7.1 Trimming

7.1(a) By Hand or by machine? If machine, please identify.

7.1(b) Please list any lubricants, disinfectants, and resin removers that are used on shears?

7.1(c) Is trimming performed on wet or dry flower?

7.1(d) How are sugar leaves processed?

7.1(e) Is there a separate dedicated room used for trimming?

7.2 Drying/Curing

7.2(a) Do you have a dedicated drying area?

7.2(b) How do you store processed flower buds? Separate curing room?

7.2(c) What are the environmental controls (humidity, temperature) for drying area?

7.2(d) What type of containers do you use to store the finished product?

7.3 Flushing prior to Harvest

Please describe any flushing of your crop performed prior to harvest.

SECTION 8: RECORDS

Records must disclose all activities and transactions of the operation, be kept for five years and demonstrate compliance with MC3 rule. All records must be available at the time of inspection.

8.1 During your inspection, an inspector will examine all records related to your farm operation in order to verify compliance with organic standards. Which of the following records do you keep?

- Field activity records (from seed/clone to harvest)
- Purchase receipts
- Input records
- Harvest records
- Planting records
- Pesticide application log
- Lot numbers
- Seed search records
- Crop rotation records
- Manure application records
- Compost production records
- Equipment cleaning records
- Sales records
- Testing Results

SECTION 9: LABORATORY TESTING

Compliance with growing and processing standards should eliminate the need for testing of each individual lot.

Minimum Laboratory testing can provide additional information to assure compliance with rules set forth herein. Growers/processors are encouraged to have on file analytical testing of composite samples. Testing may include: Cannabinoid Profiles¹

¹ Cannabinoid Profile:

D9-THC (Delta-9 Tetrahydrocannabinol), **D8-THC**(Delta-8 Tetrahydrocannabinol),
THCA(Tetrahydrocannabinol – Acid),
CBD(Cannabidiol), **CBDA**(Cannabidiol - Acid), **CBC**(Cannabichromene), **CBG**(Cannabigerol),
CBGA(Cannabigerol – Acid),
CBN(Cannabinol),
In addition, a maximum THC level and CBD level will be computed based upon decarboxylated conversion.

and broad inclusive screenings for pesticides, mold/bacteria, heavy metals, residue solvents, and mycotoxins.

Refer to section 14.0 in the MOFGA Certified Clean Cannabis Standards for more information.

9.1 Provide name and contact information for testing laboratory.

9.2 Is this lab ISO 17025 accredited? Yes No

9.3 MC3 standards recommend analytical tests for cannabinoids, pesticide residues, mold, bacteria and mycotoxins on every lot. Other tests of interest include heavy metals and residual solvents.

a. Please describe your system of designating lots (batch).

b. Which tests are done on each lot (batch)?

- Cannabinoid Profile
- Pesticide Screen. Please specify test or method: _____
- Mold, Bacteria and Mycotoxin Screen
- Heavy Metals
- Residual Solvents
- Other. Please specify _____

The inspector will ask to look at your records for lots and lab results. Please have them organized and available at your verification inspection.

SECTION 10: ADDITIONAL INFORMATION

Please provide the following additional information with your application:

- Field Map – aerial view (Google Earth, NRCS) of your production area
- Facility Diagram (including descriptions) of your drying/curing area
- Flow Chart describing how product moves through the Facility
- Soil Tests (if applicable)
- Materials List (see website for template)
- Field History Form (see website for template)
- Landowner Affidavit (if applicable – see website for template)
