

HARINDER GREWAL, PH.D., MBA  
Agricultural  
Commissioner/Sealer



Permit#: \_\_\_\_\_  
Accepted By: \_\_\_\_\_  
Date: \_\_\_\_\_  
(Office Use Only)

COUNTY OF MENDOCINO  
DEPARTMENT OF AGRICULTURE

**CANNABIS CULTIVATION AND OPERATIONS PLAN**

<b>Applicant Name:</b>		<b>Permit Type:</b>	
<b>Cultivation Site Address:</b>	City: _____ State: _____ Zip: _____		

*NOTE: If this document is used and additional space is needed in any section, reference and attach additional pages as necessary.*

**WATER USE**

**Water Source:**

- on-site well(s)     horizontal well     spring     pond     municipal/county  
 irrigation district     rainwater catchment     river/creek     other (specify below)

**What is water used for?**

- irrigation     livestock     foliar sprays     other (specify below)

**Type of irrigation system:**

- drip     flood     micro-spray     hand watering     other (specify below)

**Is water stored on-site?**     Yes     No

*If yes, how is water stored? (List the number of water storage tanks and INDIVIDUAL sizes)*

**Are ALL water sources and storage facilities shown on the accompanying site plan?**     Yes     No

**Is water use monitored?**     Yes     No

*If yes, how? What is the anticipated yearly water use?*


**Are inputs and/or cleaning products applied through the irrigation system?**  Yes  No

If yes, list all inputs/cleaning products on the Inputs table on Page 11.

### ENERGY USE

**What are the on-site power sources?**

grid  solar  generator (see below)  other (specify)\_\_\_\_\_

**What is the PRIMARY power source for cultivation activities?**

grid  solar  generator (see below)  other (specify)\_\_\_\_\_

**If a generator is used, answer the following:**

*What measures are taken to suppress the sound?*


*How are leaks and spills managed? Identify any containment structure and its dimensions.*


*If the generator is the PRIMARY source of power, has an alternative source been installed?*  Yes  No

*Are the Owner's Manual and/or Operation Manual kept on-site and available for review?*  Yes  No

*How are spent oil, used oil filters, expired batteries and other hazardous materials generated from the operation of the generator managed?*


### SEWAGE DISPOSAL

**How is sewage currently disposed of?**

permitted existing septic  unpermitted existing septic  portable toilet  composting toilet  
 municipal sewer  other (specify below)

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**If a septic system is used, answer the following:**



*If yes, please describe the activities and indicate in the table above where they are proposed to occur.*


**Will there be any employees onsite?**  Yes  No

*If yes, how many?* \_\_\_\_\_

### SEED AND CLONE STOCK

**List the source(s) of seeds, cuttings, or tissue cultures.**


*If clones are purchased, are clones quarantined after purchase?*  Yes  No

*If clones are grown and/or seeds are started on-site, describe the infrastructure of the clone room (i.e. type and size, supplemental lights, watering system):*  Not applicable


**How are seedling diseases and/or insect problems prevented?**


### SOIL MANAGEMENT

**What general soil/media types are used?**


*List all soil/media types and their source on the Inputs table on Page 11.*

*How are soil/nutrient deficiencies determined?*

- soil testing                       microbiological testing                       tissue testing  
 observation of soil                       observation of crop health                       crop quality testing  
 comparison of crop yields                       other (specify below)

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How are used soils disposed of?


Does the site experience any problems with soil erosion?  Yes  No

If yes, why and on which sites? Describe any mitigation efforts.


How is soil conservation managed?

- |                                              |                                                    |                                                |                                             |
|----------------------------------------------|----------------------------------------------------|------------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> terraces            | <input type="checkbox"/> contour farming           | <input type="checkbox"/> strip cropping        | <input type="checkbox"/> winter cover crops |
| <input type="checkbox"/> firebreaks          | <input type="checkbox"/> undersowing/interplanting | <input type="checkbox"/> conservation tillage  | <input type="checkbox"/> retention ponds    |
| <input type="checkbox"/> windbreaks          | <input type="checkbox"/> tree lines                | <input type="checkbox"/> permanent waterways   |                                             |
| <input type="checkbox"/> riparian management | <input type="checkbox"/> maintain wildlife habitat | <input type="checkbox"/> other (specify below) |                                             |

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## WEED AND PEST MANAGEMENT

What weed control methods are used?

- hand-pulling  mulch  weed eating  chemicals  other (specify below)

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Is the cultivation site affected by any known pests and/or pathogens?  Yes  No

If yes, describe below:


If yes, are pests managed with a pest control advisor?  Yes  No

Pest Control Advisor Name: \_\_\_\_\_

Contact Information: \_\_\_\_\_

What strategies are used to control pest damage to crops?

- |                                             |                                             |                                                      |                                             |
|---------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> crop rotation      | <input type="checkbox"/> genetic resistance | <input type="checkbox"/> habitat for natural enemies | <input type="checkbox"/> timing of planting |
| <input type="checkbox"/> companion planting | <input type="checkbox"/> frog ponds         | <input type="checkbox"/> bat houses                  | <input type="checkbox"/> bird houses        |
| <input type="checkbox"/> hand picking       | <input type="checkbox"/> monitoring         | <input type="checkbox"/> trap crops                  | <input type="checkbox"/> physical barriers  |
| <input type="checkbox"/> traps              | <input type="checkbox"/> physical removal   | <input type="checkbox"/> release of pest predators   | <input type="checkbox"/> insect repellents  |

- animal repellents     lures     use of chemicals     other (specify below)

*Elaborate, if needed:*


**What strategies are used to control pathogen damage to crops?**

- crop rotation     field sanitation     plant spacing     genetic resistance  
 timing of planting     vector management     soil balancing     solarization  
 companion planting     compost/tea use     use of chemicals     other (specify below)

*Elaborate, if needed:*


**How is the effectiveness of the pest management program monitored?**

*Attach copies of any test results, if applicable.*

- crop quality testing     insect monitoring with traps     observation of crop health     soil testing  
 microbiological testing     observation of soil     comparison of crop yields  
 monitoring records kept     other (specify below)

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**Have any hedgerows, woodlands, wetlands, riparian zones, special habitats, or species of special concern been identified on the property?**     Yes     No

*If yes, describe below:*


**MATERIALS MANAGEMENT**

**Will any of the following equipment be used on the property?**

*If yes, check all that apply:*

- Generators or other equipment (excluding motor vehicles)
- Diesel Engines – 50 hp or greater or multiple engines that total 90 hp or greater
- Non-diesel engines – 250 hp or greater
- Odor Control (Abatement) Devices
- Drying Equipment with exhaust stacks
- Gasoline fuel storage and/or dispensing equipment
- Boiler/Water heating equipment individually or cumulatively greater than 500,000 btu/hr.

**Will any of the following operations be performed as part of cannabis cultivation?**     Yes     No

If yes, check all that apply:

- Open outdoor storage, processing and/or mixing of soil or soil amendments
- Grading, large area soil disturbance or road construction/maintenance (NOA Review)
- Process that may generate fumes, dust, smoke or strong odors  
(Includes: Manufacturing, processing, production, testing, dispensing facilities)
- Open outdoor burning
- Aggregate and/or wood processing activities

**How are petroleum products stored on the property?**  Not applicable


**How are fertilizers and/or herbicides stored on the property?**  Not applicable


**How are pesticides, fungicides or other biocides stored on the property?**  Not applicable


**Who applies herbicides, pesticides, fungicides and/or other biocides on the farm?**

- applicant     employees     herbicides, pesticides, fungicides and/or other biocides are not used

### SECURITY PLAN

**Security Lighting**  Yes  No

*If yes, are lights downcast and shielded?*  Yes  No

**All Buildings and Structures Locked**  Yes  No

**Security Cameras**  Yes  No

*If yes, is there video storage?*  Yes  No

**Security Alarms**  Yes  No

*If yes, are alarms monitored?*  Yes  No

**Access Control**  Yes  No

*What methods are used to prevent unauthorized individuals from accessing the site?*


**Contracted Security Company**  Yes  No

Hours present: \_\_\_\_\_ to \_\_\_\_\_. \_\_\_\_\_ Days/week

**Onsite Staff**  Yes  No

Hours present: \_\_\_\_\_ to \_\_\_\_\_. \_\_\_\_\_ Days/week

**Guard Dog**  Yes  No

If yes, will it be constrained for inspections?  Yes  No

**List any other Security Measures:**


<b>Operations Calendar</b>	
<i>Describe all cultivation activities with approximate dates</i>	
January	
Activity	Approximate Date
February	
Activity	Approximate Date
March	
Activity	Approximate Date
April	
Activity	Approximate Date
May	
Activity	Approximate Date



<b>June</b>	
Activity	Approximate Date
<b>July</b>	
Activity	Approximate Date
<b>August</b>	
Activity	Approximate Date
<b>September</b>	
Activity	Approximate Date
<b>October</b>	
Activity	Approximate Date
<b>November</b>	
Activity	Approximate Date
<b>December</b>	
Activity	Approximate Date

