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| **Operation Name:** |  | **Date:** |  |

*You shall implement production practices which maintain or improve the natural resources of your operation, including soil and water quality.* ***“Natural resources” are defined as the physical, hydrological, and biological features of your operation, including soil, water, wetlands, woodlands, and wildlife.*** *Production practices shall respond to site-specific conditions by integrating cultural, biological, and mechanical practices that foster cycling of resources, promote ecological balance, and conserve biodiversity. Biodiversity conservation refers to your efforts to improve and maintain the variety of plants, animals, insects, and microorganisms on your farm and in your soil.*

## This form applies to all parcels engaged in OCal production, including greenhouses and other non-field OCal production systems. If needed, attach additional pages and/or maps reflecting natural resource management practices.

## Biodiversity Conservation & Natural Resource Management

1. Describe the natural resources and biodiversity of your operation and surrounding ecosystems, including soil type and condition, bodies of water, nearby wetlands and woodlands, wildlife, windbreaks, hedgerows, native habitat, and beneficial plantings. Include any problem areas such as erosion and invasive species.

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1. Do you have a current conservation plan or contract with the USDA Natural Resources Conservation Service (NRCS) or other conservation agency?

No  Yes.

1. If yes, list the conservation practices that are being implemented and be prepared to show your plan at inspection.

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1. How do you maintain or improve your water resources (consider both quantity and quality)?

Efficient irrigation use (quantity, timing and technology)  Allocate water to non-crop areas for wildlife and habitat

Target and meter fertilizer use to prevent nutrient runoff  Manage excess water towards on-site retention and infiltration

Vegetative cover filters for sediments and other pollutant  Use fish screens  Other (describe):

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1. How do you improve and/or maintain natural resources in non-crop areas, such as borders, fallow ag land, and non ag habitats?

Preserve/restore wetlands and riparian areas  Increase and protect native plants/wildlife  Minimize erosion

Preserve/restore wildlife corridors  Leave areas as undisturbed habitat refuge  Wildlife friendly fences

Establish legal conservation areas  Restore degraded areas  Native habitats not converted to farmland since certification

Other (describe):

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1. How are you managing habitat for pollinators, natural enemy insects, and other wildlife throughout the production season?

Hedgerows  Windbreaks  Raptor perches or trees at field edge  Bird or bat boxes  Ensure a clean water source

Plant flowers interspersed with crops  Implement measures to support a variety of bee species

Allow non-invasive plants in non-cropped, fallow, & border areas  Provide extended food supply  Other (describe):

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1. What actions do you take to prevent or control invasive plant/animal species, especially those threatening natural areas?

Learn to identify invasive plant and animal species  Monitor for new introductions and suppress or remove immediately

Plant competing beneficial native plants  Use weed & pest-free seed/planting stock/soil amendments/mulches

State or Federal agency controls invasive species  Other (describe):

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## If you restrict wildlife from your production areas due to food safety or other cannabis production concerns, or if you have converted wildlife habitat to cannabis production, how do you mitigate the resulting loss of wildlife habitat?

## Develop or enhance habitat in other areas of your farm Plant buffers between crop and habitat areas

Leave room for habitat when using fencing (riparian or corridor) Other (describe):

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Not applicable (explain why not):

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1. Operations producing cannabis within enclosed structures/buildings (i.e. greenhouses, etc): Describe additional conservation measures implemented at your operation. Not applicable

Water conservation  Energy conservation  Recycling  Composting  Diverse outdoor plantings

Surrounding habitat restoration  Sustainable packaging  Crop rotation within greenhouses  Other (describe):

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1. Describe any additional measures taken to conserve natural resources:  Not applicable

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1. **Biodiversity and Natural Resources Monitoring Plan**
2. How do you verify the effectiveness of your conservation measures and document whether they improve or maintain the natural resources of your operation?

Photograph logs  Document fertility & pest control cost trends  Document water use trends

Plant, animal, insect surveys  Observations in farm logs and journals  Maintain conservation map

Water testing  Soil testing  Periodic expert evaluation and report (such as NRCS)  Other (describe):

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1. **Conservation Involving Livestock** Not applicable, no livestock involved
2. How do you protect natural wetlands, riparian areas, and sensitive habitats from impacts due to livestock?

Limit livestock access to riparian areas, sensitive habitats and use designated stream crossings

Locate feed stations, water troughs and mineral blocks away from streams and water sources

Conserve native vegetation along waterways Manage excess manure to nutrient and pathogen pollution

Allow the natural process of plan regeneration along stream banks  Other (describe):

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1. How do you improve or protect your pasture or rangeland?

Manage the frequency, density and timing of grazing to allow plant regeneration Reseed trampled or eroded areas

Plant a diversity of native species Provide adequate shaded areas to minimize soil compaction

Prevent excess deposits of manure Encourage plant growth that filters manure runoff

Minimize grazing wetlands and other soggy areas  Other (describe):

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1. What management practices do you use to ensure a healthy relationship between livestock and wildlife?

## Use guard animals Graze when predation is low House livestock overnight in protected area Use electric fencing

## Provide water troughs with escape ramps for wildlife Small animals are grazed with large Predator lights are used

## Design fencing to minimize entrapment and provide for wildlife corridors

Allow non-predatory wildlife, such as grazers and birds to co-exist with livestock Other (describe):

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1. How do you manage yards, feeding pads, feedlots, laneways and housing to prevent runoff to surface water and to prevent dust from moving offsite?

A plan for confinement areas is in place before severe erosion problems occur Livestock is rotated to multiple areas

Concentrated runoff is diverted into a temporary storage lagoon  Manure is periodically removed and composted

Confined sites are large enough to handle the type and number of animals present Air filtration is used in housing

Manure ground into dust in confined areas is watered down Windbreaks are used outside housing

Confined sites are made of concrete or well-draining rock bases  Other (describe):

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