

# Cannabis Water Conservation Questionnaire

*It is intended for the growers(s) to fill in this questionnaire.  
Please check all that apply, fill in the acreage blanks and sign below.*

- I farm the property** that will utilize water from the existing well; the information included in this Cannabis Water Conservation Questionnaire is correct; I am engaged in the business of raising crops for commercial purposes; and I will implement the irrigation management practices selected in this plan during the growing season.

I am the  Landowner-Grower;  Lessee-Grower;  Other: \_\_\_\_\_

The amount of acreage that I will farm/operate

- ... **will not change** after installation of the existing well.
- ... **will increase** after installation of the existing well.
- ... **will decrease** after installation of the existing well.
- ... **will undergo a crop change** after installation of the existing well.

	Existing	After New Well
❶ <b>Gross Acres</b> (All acreage <b>including</b> farm roads, buildings, etc.)	_____	_____
❷ <b>Net Acres</b> (Physical field acres, Nurseries, <b>excluding</b> farm roads, buildings, etc.)	_____	_____
❸ <b>Crop Acres</b> (Net Acres multiplied by number of crops per year)	_____	_____
❹ <b>Number of Irrigation Wells</b> (State reason for change in number of wells in box below, i.e., abandoned, newly drilled, well went inactive, well re-activated, added or lost adjacent ranch lands: <div style="border: 1px solid black; height: 50px; width: 100%; margin-top: 5px;"></div> )	_____	_____

X \_\_\_\_\_ X \_\_\_\_\_  
Signature                          Print Name

\_\_\_\_\_ \_\_\_\_\_  
Date                          Phone No.

COMPANY: \_\_\_\_\_  
CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE ZIP: \_\_\_\_\_

- I would like my raw data kept confidential.

Comments:

## Cannabis Water Conservation Questionnaire

Please complete the chart below listing the number of acres associated with the general crop types and irrigation methods. Record the sum of all listed acres on the Total Acres line below the chart (do not multiply by number of crops per year).

IRRIGATION METHOD (NET ACRES)											
	Average number of crops per acre	Furrow Only	Sprinkler/Furrow combination	Hand-move sprinkler only	Solid-set or permanent sprinkler	Sprinkler/Drip Combination	Drip Only	Micro-spray/Micro-sprinklers	Linear-Move (overhead)	Other (specify):	
The <b>Total NET Acres</b> below, must equal your <b>Net Acres</b> from page 1											
Cannabis	1.0										
Others:											
Set-aside (fallow)											
										<b>Total Net Acres:</b>	

Results of this irrigation method survey provide valuable and unique information regarding the status of irrigation practices in the various watersheds in Santa Cruz County. The intent is that results from this survey will substantiate that adequate measures have or will be implemented to mitigate the potential impacts of the new or replacement well as required in lieu of environmental review for individual well permits.

## Cannabis Water Conservation Questionnaire

### Irrigation Best Management Practices (BMPs)

**For Current Condition:** please indicate whether or not the management practice was implemented and how many acres (*net acres*) were affected by the practice.

**For After Installation:** Please indicate whether or not you intend to implement the management practice and how many acres would be affected by the practice.

For guidelines and definitions of terms, please refer to the attached appendix.

<u>Irrigation Management Practices</u>	Current Condition				After Installation			
	Yes	No	N/A	Net Acres	Yes	No	N/A	Net Acres
Water Flowmeter(s)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Time-clock on pump and/or pressure switch on booster	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Use of Soil Moisture Sensors (tensiometer or neutron probe) and/or ET Data (CIMIS)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Pre-irrigation Reduction	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Agricultural Mobile Irrigation Lab	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Irrigation Efficiency Audit	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Transplants (for crops not normally transplanted)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Educational Sessions (Applies to all Net Acres. List sessions attended below.)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Conservation Program	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Reuse of Tailwater or Run-off	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Recycled Water (PVWMA Recycled Water Project)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Summer Fallow (90 days between Apr.1 and Sep.30) or Other Fallow (210 consecutive days)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
12-month Set-aside	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____

List other BMPs or innovative ideas that you incorporate on your ranches not listed above (i.e., PAM, drip germination, variety selection, furrow dikes, etc.):

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Santa Cruz County Environmental Health

<u><b>Sprinkler Irrigation System Improvements</b></u>	Current Condition			Net Acres	After Installation			Net Acres
	Yes,	No	N/A		Yes	No	N/A	
Reduced Sprinkler Spacing	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Sprinkler Improvements (uniform nozzle sizes And/or flow control nozzles)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Off-wind Irrigation	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Leakage Reduction (replacing gaskets)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Linear-Move (overhead)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____

**Micro Irrigation Systems**

Drip Tape / Hose	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Pressure Compensating Emitters / Tape (reduce pressure fluctuations along a row)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Micro-spray / Micro-sprinklers	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____

**Surface Irrigation system Improvements**

Surge Flow Irrigation	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Shorten Field Run (Lessen furrow length or add a manifold line down center of field to cut water run in half)	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Tailwater Return System	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____
Laser Leveling / Major Land Grading	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____	<input type="checkbox"/>	<input type="radio"/>	<input type="triangle"/>	_____

List other BMPs or innovative ideas that you incorporate on your ranches not listed above (i.e., PAM, drip germination, variety selection, furrow dikes, etc.):

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