Agricultural 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 proposed new well; the information included in this Agricultural 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 new well.
- ❑ **… will increase** after installation of the new well.
- ❑ **… will decrease** after installation of the new well.
- ❑ **… will undergo a crop change** after installation of the new well.

	Existing	**After New Well**
❶ **Gross Acres** (All acreage **including** farm roads, buildings, etc.)	_____	_____
❷ **Net Acres** (Physical field acres, Nurseries, **excluding** farm roads, buildings, etc.)	_____	_____
❸ **Crop Acres** (Net Acres multiplied by number of crops per year)	_____	_____
❹ **Number of Irrigation Wells (**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:	_____	_____

X_____ X_____ _____ _____
Signature Print Name Date Phone No.

COMPANY: _____
CONTACT: _____
ADDRESS: _____
CITY, STATE ZIP: _____

- ❑ I would like my raw data kept confidential.

Comments:

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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)								
The **Total NET Acres** below, must equal your **Net Acres** from page 1	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):
Vegetables										
Field Crops (beans, grain, etc.)										
Berries	1.0									
Grapes	1.0									
Tree Crops	1.0									
Forage Crops (alfalfa, pasture, etc.)										
Others:										
Set-aside (fallow)										
								Total Net Acres: _____		

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.

Agricultural 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.

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

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.):

_____

_____

Sprinkler Irrigation System Improvements	Current Condition Yes	No	N/A	Net Acres	**After Installation Yes**	**No**	**N/A**	**Net Acres**
Reduced Sprinkler Spacing	☐	○	△	_____	☐	O	△	_____
Sprinkler Improvements (uniform nozzle sizes And/or flow control nozzles)	☐	○	△	_____	☐	O	△	_____
Off-wind Irrigation	☐	○	△	_____	☐	O	△	_____
Leakage Reduction (replacing gaskets)	☐	○	△	_____	☐	O	△	_____
Linear-Move (overhead)	☐	○	△	_____	☐	O	△	_____
Micro Irrigation Systems								
Drip Tape / Hose	☐	○	△	_____	☐	O	△	_____
Pressure Compensating Emitters / Tape (reduce pressure fluctuations along a row)	☐	○	△	_____	☐	O	△	_____
Micro-spray / Micro-sprinklers	☐	○	△	_____	☐	O	△	_____
Surface Irrigation system Improvements								
Surge Flow Irrigation	☐	○	△	_____	☐	O	△	_____
Shorten Field Run (Lessen furrow length or add a manifold line down center of field to cut water run in half)	☐	○	△	_____	☐	O	△	_____
Tailwater Return System	☐	○	△	_____	☐	O	△	_____
Laser Leveling / Major Land Grading	☐	○	△	_____	☐	O	△	_____

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.):

_____
_____
_____
_____
_____