TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

EMAIL FORM AS AN ATTACHMENT: Attach completed and saved form to an email and send to AgNOI@waterboards.ca.gov

Reporting Period: 09/01/2015 to 08/31/2016

Any changes to the reporting period must be approved or form will not be accepted.

CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

Click below to clear the corresponding section of the form.

Section I | Section II | Section III | Section IV | All

SECTION I: GENERAL RANCH INFORMATION *(Space for more parcels and multiple counties available on page 2)*

AW#: Ranch Global ID: Ranch/Risk Unit or Field/Block Name: Physical Ranch Acres Reporting:

County: APN(s): Fallow Acres: *(If fallow entire report period)*

If ranch is a greenhouse, nursery, or hydroponic, select from the dropdown: Sum of Total Crop Acres: 0.0 *(Auto-calculates from Section IV)*

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER *(Include all uses, e.g. leaching; and all sources, e.g. CSIP or PVWMA delivered water)*

Section II-A: PVWMA/CSIP water use

Was PVWMA/CSIP water used during the reporting period?

Section II-D will auto-calculate based on Sections II-B, II-C, and ranch acreage.

Section II-B: PVWMA/CSIP water

Section II-C: Well/city water (or other non-PVWMA/CSIP source)

Average Nitrate Concentration in Well/City Water *(mg/L)*

☐ *as Nitrate (NO3)*

☐ *as Nitrogen (NO3-N or N)*

To calculate the weighted average concentration if more than one sample from one or more sources of irrigation water was used, use the Excel tool ***'weighted_avg_conc'***

Estimated Total Volume of Well/City Water Applied to Entire Reporting Acres During Reporting Period *(gallons)*

This field can be erased before submittal. Do not include volume of PVWMA/CSIP water applied. To convert from acre-feet or acre-inches to gallons, use the Excel tool ***'convert_to_gallons'***

Section II-D: Nitrogen applied

Nitrogen Applied with Irrigation Water *(lbs/ranch-ac)*

Section II-E: Volume check

This field auto-calculates. After completing Sections I-IV, check the estimated average acre-feet of water applied to each crop-acre grown

SECTION III: NITROGEN APPLIED WITH COMPOST & AMENDMENTS

Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments *(total lbs)*

Applications of nitrogen from compost and amendments (not fertilizers) made to improve soil properties, and/or as a source of nitrogen to ALL crops grown during the reporting period may be reported here. Alternatively, the nitrogen may be distributed accordingly between the crops and reported in Section IV. Do not report this information in both sections.

SECTION IV: NITROGEN APPLIED WITH FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL *(The Excel tool* ***'N_from_fertilizers'*** *assists with calculations in this section)*

	Specific Crop(s) Grown and Harvested During Reporting Period *(Select from List on Page 3)*	Total Crop Acres	Nitrogen Present in Soil *(lbs/ac)*	Nitrogen Applied in Fertilizers and Other Materials *(lbs/crop-ac)*	O/C	Additional Information		Specific Crop(s) Grown and Harvested During Reporting Period *(Select from List on Page 3)*	Total Crop Acres	Nitrogen Present in Soil *(lbs/ac)*	Nitrogen Applied in Fertilizers and Other Materials *(lbs/crop-ac)*	O/C	Additional Information
1.							11.						
2.							12.						
3.							13.						
4.							14.						
5.							15.						
6.							16.						
7.							17.						
8.							18.						
9.							19.						
10.							20.						

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Click below to clear the corresponding section of the form.

Section IV | Section V | Section VI | Section VII | All

ADDITIONAL CROPS AND COUNTIES *(continued from Sections I and IV)*

	Specific Crop(s) Grown and Harvested During Reporting Period *(Select from List on Page 3)*	Total Crop Acres	Nitrogen Present in Soil *(lbs/ac)*	Nitrogen Applied in Fertilizers and Other Materials *(lbs/crop-ac)*	O/C	Additional Information		Specific Crop(s) Grown and Harvested During Reporting Period *(Select from List on Page 3)*	Total Crop Acres	Nitrogen Present in Soil *(lbs/ac)*	Nitrogen Applied in Fertilizers and Other Materials *(lbs/crop-ac)*	O/C	Additional Information
21.							33.						
22.							34.						
23.							35.						
24.							36.						
25.							37.						
26.							38.						
27.							39.						
28.							40.						
29.							41.						
30.							42.						
31.							43.						
32.							44.						

County:		APN(s):				
County:		APN(s):				
County:		APN(s):				

SECTION V: BASIS FOR THE AMOUNT OF TOTAL NITROGEN THAT WAS APPLIED *(select all that apply)*

- ☐ University Research Data
- ☐ UCCE Information
- ☐ UC Farm Advisor Consultation
- ☐ Consultant (PCA, CCA, etc.)
- ☐ Local Info/Neighbor
- ☐ Yield Projection
- ☐ Commodity or Industry Group
- ☐ Private Research Trials
- ☐ On-Farm Research Trials
- ☐ Trade Publication
- ☐ Fertilizer Distributor/Dealer
- ☐ Grower Experience
- ☐ Laboratory Recommendation
- ☐ Site Analysis Dry Biomass
- ☐ Scientific Literature

SECTION VI: EXPLANATIONS & COMMENTS

If the information on this form does not represent the entire 12-month reporting period, please provide a brief explanation. Additional comments or explanations to assist with the processing of this form may also be included here.

SECTION VII: CERTIFICATION ***This form must be reviewed and certified by the Operator/Responsible Party listed on the eNOI***

I declare under penalty of perjury under the laws of the State of California that this Total Nitrogen Applied Report, in compliance with Water Code §13267, was prepared by me, or under my direction or supervision, following a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. To the best of my knowledge and belief, this document is true, accurate, and complete. I am aware that there are significant penalties associated with submitting false information and committing perjury.

☐ ***I have read and accept the above terms.***

Operator/Responsible Party	*Preparer Name*	*Preparer Title*	*Contact Info (email address and/or phone number)*	*Date Prepared (MM/DD/YYYY)*

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LIST OF SPECIFIC CROPS *(Contact Water Board staff if your crop is not on this list; selected crop must be the crop that was grown)*

Alfalfa	Chicory	Lettuce, Baby (Spring/Summer)	Peppers, Bell (Final Harvest; Single Harvest Variety)
Amaranth	Chile	Lettuce, Head	Peppers, Chili
Anise	Chinese Greens (A Choy)	Lettuce, Head (Fall/Winter)	PimientoPineapple
Apples	Chinese Greens (Bok Choy)	Lettuce, Head (Spring/Summer)	Potato
Apricots	Chinese Greens (Bok Choy, Baby)	Lettuce, Iceberg	Pumpkin
Artichoke	Chinese Greens (Bun Choy)	Lettuce, Iceberg (Fall/Winter)	Radicchio
Artichoke, Seed	Chinese Greens (Gai Choy)	Lettuce, Iceberg (Spring/Summer)	Radish
Arugula	Chinese Greens (Gai Lan)	Lettuce, Leaf	Rapini
Arugula, Baby	Chinese Greens (On Choy)	Lettuce, Leaf (Fall/Winter)	Raspberry
Arugula, Wild	Chinese Greens (Shanghai Bok Choy)	Lettuce, Leaf (Spring/Summer)	Rosemary
Asparagus	Chinese Greens (Snow Pea Tips)	Lettuce, Romaine	Ryegrass, Winter
Beans	Chinese Greens (Tong Ho)	Lettuce, Romaine (Fall/Winter)	Safflower
Beans, Dry	Chinese Greens (Yam Leaves)	Lettuce, Romaine (Spring/Summer)	Seed Crops
Beans, Lima	Chinese Greens (Yu Choy)	Lettuce, Romaine Hearts	Shallots
Beans, Seed	Chives	Lettuce, Romaine Hearts (Fall/Winter)	Sorrel
Beets	Cilantro	Lettuce, Romaine Hearts (Spring/Summer)	Spinach, Baby
Blackberry	Collard Greens	Mache	Spinach, Baby (multiple cutttings)
Blueberry	Corn	Malabar	Spinach, Bunch
Bok Choy	Corn, Sweet	Mango	Spinach, Bunch (multiple cuttings)
Bok Choy, Baby	Cover Crop, Legume	Marjoram	Spinach, Clip
Borage	Cover Crop, Non-Legume	Melon	Spinach, Clip (multiple cuttings)
Broccolette	Cress	Mint	Spring Mix
Broccoli	Cucumber	Mixed Greens	Spring Mix (multiple cuttings)
Broccoli (Fall/Winter)	Dandelion Greens	Mixed Greens, Baby	Spring Mix, Baby
Broccoli (Spring/Summer)	Daikon	Mizuna	Spring Mix, Baby (multiple cuttings)
Broccoli, Seed	Dill	Mustard	Sprouts
Broccoli Rabe	Eggplant	Mustard, Baby	Squash, Summer
Broccolini	Endive	Nursery Perennials	Squash, Winter
Brussels Sprouts	Escarole	Nursery Shrubs	Squash, Zucchini
Cabbage	Fennel	Nursery Trees	Strawberry (Not Final Harvest)
Cabbage, Chinese	Flowers	Oat Hay	Strawberry, Up to 12-months variety (Final Harvest)
Cabbage, Green	Frisee	Onion, Dry	Strawberry, Over 12-months variety (Final Harvest)
Cabbage, Napa	Garlic	Onions	Strawberry, 2nd year (Final Harvest)
Cabbage, Red	Grapes, Table	Onions, Green	Strawberry, 2-step program, 1st step (Final Harvest)
Cabbage, Savoy	Grapes, Wine	Orach	Strawberry, 2-step program, 2nd step (Final Harvest)
Cantaloupe	Greenhouse Flowers	Orchids	Thyme
Carrot	Greenhouse Perennials	Oregano	Tomatillo
Cauliflower	Greenhouse Shrubs	Papaya	Tomato
Cauliflower (Fall/Winter)	Jalapeno	Parsley	Turnip
Cauliflower (Spring/Summer)	Kale	Parsnip	Watercress
Cauliflower, Seed	Kale, Baby	Peas	Watermelon
Celery	Kalettes	Peas, Seed	Yam Leaf
Chard, Green	Kohlrabi	Peas, Snap	Zucchini
Chard, Red	Leek	Peas, Sugar	Other - Contact Water Board
Chard, Swiss	Lettuce, Baby	Peppers, Bell (Not Final Harvest)	
Cherry	Lettuce, Baby (Fall/Winter)	Peppers, Bell (Final Harvest; Multiple Harvest Variety)	