# MEMBER COMPLIANCE ASSISTANCE WORKSHOP

January 29, 2019 Kings River Water Quality Coalition



# TODAY'S AGENDA

- Welcome and Overview
- Barriers to Adoption Study Results
- Upcoming Changes to General Orders
- Member Obligations for 2018
- Nitrogen Summary Report Data
- Online Demonstration of KRWQC Website



UNDERSTANDING DECISION-MAKING OF CITRUS AND RAISIN GRAPE GROWERS AND ADOPTION OF NITROGEN MANAGEMENT PRACTICES

> Sat Darshan Khalsa, Jessica Rudnick, Mark Lubell and Patrick Brown University of California Davis







#### **2018 GROWER SURVEY**

- 148 Citrus growers
- 96 Raisin growers
- Questions
  - Demographics
  - Practice adoption
  - Challenges
  - Benefits
  - Information sources

#### **GROWER DEMOGRAPHICS**



#### **PRACTICE ADOPTION**



**PRACTICE CHALLENGES** 



#### **PRACTICE BENEFITS**

![](_page_7_Figure_1.jpeg)

#### **INFORMATION SOURCES**

![](_page_8_Figure_1.jpeg)

# QUESTION OR COMMENTS?

Sat Darshan Khalsa sdskhalsa@ucdavis.edu

![](_page_9_Picture_2.jpeg)

- Amendments to General Orders Required by State Water Resources Control Board
  - Aligns Requirements with East San Joaquin Order
  - Multiple Items Considered "Precedential"
- Regional Board Action to Approve Changes to All Other Orders February 2019
- Requirements Begin January 2020

![](_page_10_Picture_6.jpeg)

 Amendments to Tulare Lake General Order Required by State Water Resources Control Board

#### Drinking Water Well Testing

- Required Testing of ALL Drinking Water Supply Wells on Enrolled Parcels
- Proper Lab Protocols Must Be Observed
- Members Must Notify Regional Board and Users of Tested Wells If Nitrate-N Exceeds 10 ppm within 10 Days
- Test Results Reported Directly to State by Testing Laboratory
- Not a Coalition Function

![](_page_11_Picture_8.jpeg)

#### Template Changes

- Nitrogen Management Plans
  - Incorporation of Irrigation and Nitrogen Management Practice Sections from Farm Evaluation
  - Consideration of Predicted Crop Water Usage (ET)
  - Consideration of Nitrogen Content of Pumped Groundwater
  - Reporting of Age of Permanent Crops
  - Certification Required in High Vulnerable Areas
  - Certification Required in Low Vulnerable Areas for Identified Outliers (3-year Average)

![](_page_12_Picture_9.jpeg)

#### Template Changes

- Farm Evaluation Surveys
  - Inventory of Drinking Water Wells per Parcel
  - Removal of Irrigation and Nitrogen Management Practices
  - Separation of Production Wells From Abandoned Wells
  - Reporting Reduced to Once Every 5 Years
    - Report Through 2020 (to Coalition 2021), Next Report 2025 (reported 2026)

![](_page_13_Picture_8.jpeg)

#### Template Changes

- Nitrogen Summary Report
  - Reporting of Specific Categories of Nitrogen Applied
  - Reporting of Yield
  - Grower Calculations Minimal
    - Not Being Asked to Calculate/Report Applied/Yield (A/Y) Values
    - Coalition Will Do Calculations and Report Back to Growers

![](_page_14_Picture_8.jpeg)

#### Grower Data Availability

- Each Grower will be Assigned an Anonymous ID Number
- Each Parcel will be Assigned an Separate Anonymous ID Number
- Coalitions Report Data Summaries by ID Number (Grower, Parcel) WITHOUT Revealing Actual Grower Name or Location
  - Aggregated by Township
  - Such Data is Available to Regional or State Board by Request

![](_page_15_Picture_7.jpeg)

# **MEMBER OBLIGATIONS**

#### By March 1, 2019

- Farm Evaluation (High Vulnerability Parcels Only): Update Information on File as Needed
- Nitrogen Summary Report: Turn in 2018 Crop Year Data (High Vulnerable Parcels Only)
- Nitrogen Management Plan: 2019 Planning Completed and Certified (if required)

![](_page_16_Picture_5.jpeg)

## **URGENT MANAGEMENT PRACTICES**

- Requirements of Comprehensive Groundwater Management Plan Approved by Regional Water Quality Control Board
  - Applies to HV Areas
  - Recommended for All Areas
- Three Urgent Requirements
  - Wellhead Protection
  - Destruction of Abandoned Wells, where known
  - Pumped Groundwater Nitrate Testing

![](_page_17_Picture_8.jpeg)

- Insure that Surface Water Cannot Flow into Well Casings (Ground Slopes Away from Wellhead)
- Storage of Agricultural Material Away from Wellhead
- No Standing Water Near Wellhead
- Adequate Backflow Prevention Measures in Place
  - Check Valves, Vacuum Breakers, Air Gap, Injector Interlocks

![](_page_18_Picture_6.jpeg)

![](_page_19_Picture_1.jpeg)

![](_page_20_Picture_1.jpeg)

![](_page_20_Picture_2.jpeg)

![](_page_21_Picture_1.jpeg)

### **ABANDONED WELLS**

- If Abandoned (no plans for future use), Proper Well Destruction needed
  - Consult with Professional as to specific local requirements

![](_page_22_Picture_3.jpeg)

# NITRATE TESTING

- If using groundwater to irrigate, you should have an understanding of the N concentration in your well water
  - Use the Results in the Nitrogen Management Plan
  - Certifiers may require testing and dictate frequency in order to certify your Nitrogen Management Plan (3-5 years between tests)
  - Helpful to get test results reported as ppm (parts per million) NO3-N

![](_page_23_Picture_5.jpeg)

# **AVAILABLE RESOURCES**

#### agmpep.com

- Calculator for Converting Irrigation Water N to Pounds N/Ac
  - Adjusts for Ratio of Surface/Groundwater Use
  - Adjusts for Crop Water Consumption (ET)
- ET data available at <u>www.krcd.org</u> (Updated Weekly)
- Website also has more information for:
  - Wellhead Protection
  - Well Destruction
  - Nitrogen Removal

![](_page_24_Picture_10.jpeg)

# **AVAILABLE RESOURCES**

#### Personal Nitrogen Summary Report

- Available at <u>www.kingsriverwqc.org</u>
- Field by Field (Crop Specific) Performance
  - Nitrogen Applied Compared to Others
  - Applied divided by Removed (A/R) Ratio Comparison
- Limited to Crops With Known Nitrogen Removed Coefficients
- Provides Status (Outlier or Not) of Field (Current Year)

![](_page_25_Picture_8.jpeg)

#### 4 "R"s of Nitrogen Management

- A Concept that Promotes Nitrogen Use Efficiency
  - Right Rate
  - Right Time
  - Right Place
  - Right Source
- All Four Are Interrelated

![](_page_26_Picture_8.jpeg)

- Right Rate
  - Consideration of Nitrogen Needs for Yield Desired
    - How Much Have I Applied Before?
    - Can I Get the Same Yield With Less?
    - How Much Does the Plant Retain?
    - How Do I Narrow the Gap between Yield Requirements and Residual Soil Nitrogen?

![](_page_27_Picture_7.jpeg)

#### Right Time

- Adequate Supply Ahead of Plant Need
  - Consideration of Crop Growth Stage
  - Balance Between Vegetative and Reproductive Growth

![](_page_28_Picture_5.jpeg)

![](_page_29_Figure_1.jpeg)

www.KingsRiverWQC.org

#### Right Place

- Putting the Nitrogen Source Where the Roots Are
- Minimizing Movement Below Rootzone
  - Irrigation Management
  - Soil Texture
  - Form Applied

![](_page_30_Picture_7.jpeg)

![](_page_31_Figure_1.jpeg)

![](_page_31_Picture_2.jpeg)

Source: Tim Hartz, UCCE (ret)

#### Right Source

- Do You Need Rapid Uptake?
  - Liquid vs. Solid Formulations
  - Nitrate or Ammonium Based Product
  - Fertigation vs. Band Applications vs. Foliar
- Does Your Soil Promote Volatilization of Nitrogen Fertilizer?
  - Soil pH, Climate, Slow Water Infiltration Rates

![](_page_32_Picture_8.jpeg)

- Nitrogen Management Plan and Nitrogen Summary Reporting Are Aimed at Raising Grower Awareness Regarding Nitrogen Use
  - How Much Do I Really Need?
  - How Much Do I Get For "Free"?
    - Nitrate in Pumped Groundwater
  - How Much More Do I Need to Buy?
  - Is My Crop Using All That I Apply?
  - How Am I Doing Compared to Other Growers?

![](_page_33_Picture_8.jpeg)

![](_page_34_Figure_1.jpeg)

![](_page_34_Picture_2.jpeg)

#### **Ibs N Applied**

![](_page_35_Figure_1.jpeg)

![](_page_36_Figure_1.jpeg)

![](_page_36_Picture_2.jpeg)

![](_page_36_Picture_3.jpeg)

![](_page_37_Figure_1.jpeg)

![](_page_37_Picture_2.jpeg)

**Ibs N Applied** 

![](_page_38_Figure_1.jpeg)

![](_page_39_Figure_1.jpeg)

![](_page_39_Picture_2.jpeg)

#### **Ibs N Applied**

![](_page_40_Figure_1.jpeg)

![](_page_40_Picture_2.jpeg)

![](_page_41_Picture_0.jpeg)

![](_page_41_Picture_1.jpeg)

#### **DEMONSTRATION OF ONLINE SYSTEM**

![](_page_42_Picture_1.jpeg)

### CONCLUSIONS/TAKEAWAYS

- Changes to the Current Program to Take Place by 2020
- Domestic Well Testing on Enrolled Parcels
   Will Be Required of All Members
- Data to Date Suggests that Growers Are Efficient with Nitrogen Applications

![](_page_43_Picture_4.jpeg)

## **COALITION ASSISTANCE**

- Staff is available to assist you in the completion of Farm Evaluation or Nitrogen Summary Templates
- In Office visits can be scheduled as requested
- Call (559) 365-7958 or email info@kingsriverwqc.org whenever you have any questions

![](_page_44_Picture_4.jpeg)

# ONLINE SUBMISSION METHOD

Farm Evaluation Survey Nitrogen Summary Report

![](_page_45_Picture_2.jpeg)

#### HOMEPAGE

![](_page_46_Picture_1.jpeg)

#### Compliance Assistance Workshops

2

Register for one of our upcoming workshops.

RSVP

#### **DATABASE LOG-IN**

![](_page_47_Figure_1.jpeg)

#### DASHBOARD

•				🖼 English 🗸 🗘 😽 KRWQC\1564	s 👤 📮
<ul> <li>Coalition Documents</li> <li>Coalition Faq</li> <li>Coalition Info</li> <li>Dashboard</li> <li>Farm Evaluation</li> </ul>	True False Do you need help? CLICK HERE MEMBERSHIP STATUS FOR : (2017-2018) If any item	hs are red, your membership status is "Not In Good Standing", a	ind will be reported as such, unless you as a Mem	ber are not required to do the specific section(s).	
NMP Summary Member Outreach Membership History FormationEta	PAID DUES	(!)	MP SUMMARY	() ATTENDED EVENT No	
	© QUICK LOOK FOR : (2017-2018)	Go To Farm Evaluation Submitial Peroid For Farm Evaluations in now op you Like to Update and Submit your Farm Evalua Cancel Yes	en. Would tion Now?	\$ 232.40	~ C
	<pre></pre>	~ Z Ø	< MEMBER DUES/FEE INFORMAT	TION FOR : (2017-2018)	~20
	Contact Information Full Name: CASEY CREAMER Address: 4886 E JENSEN AVE FRESNO, CA 93725 Phone Number: (559) 365-7958		Fee Information Year: 2017-2018 Start Date/End Date: 9/1/2017 - 12/1 Membership Fee \$26.00 Acres Fee: \$2.15	15/2017	

#### DASHBOARD

![](_page_49_Figure_1.jpeg)

#### FARM EVALUATION

#### SFARINE VALUATION PLAN FOR : (2017-2018)

~ 2

8 TOTAL FIELDS	Ð	10 TOTAL WELLS	Ð	96.00 TOTAL FIELD ACREAGE	Ð	0.00 MISSING ACREAGE (PARCEL ACREAGE VS FIELD ACREAGE)
						C

#### FARM EVALUATION PLAN COMPLETENESS: 100%

The progress bar does not show your overall completeness, only you as a member will know when you've finished. What the progress bar does show is the percentage of Field acreage vs Parcel irrigated Acreage

			100%							
Do you need help?										
Get Started Part A: General Practices Part B: W	ells Part C: Fields Part D: Farm Map Submissi	on Form								
Begin Your Farm Evaluation S Waste discharge requirements for growers that are membre complete a farm evaluation describing practices implement Farm Evaluations must be submitted by March 1. The Farm evaluation is broken into four parts that member	Begin Your Farm Evaluation Survey Here Waste discharge requirements for growers that are members of a water quality coalition requires that members complete a farm evaluation describing practices implemented to protect surface water and groundwater quality. Farm Evaluations must be submitted by March 1. The Farm evaluation is broken into four parts that members can easily complete by clicking on the tabs below:									
	⊕ B: UPDATE / ADD WELLS     ▲	© C: UPDATE / ADD FIELDS	SUBMIT FARM EVALUATION							
+ CLICK HERE	+ CLICK HERE	+ CLICK HERE	✓ CLICK HERE							

#### FARM EVALUATION (ZOOMED IN)

#### Do you need help?

CLICK HERE!

Get Started Part A: General Practices Part B: Wells Part C: Fields Part D: Farm Map Submission Form

#### **Begin Your Farm Evaluation Survey Here**

Waste discharge requirements for growers that are members of a water quality coalition requires that members complete a farm evaluation describing practices implemented to protect surface water and groundwater quality. Farm Evaluations must be submitted by March 1.

The Farm evaluation is broken into four parts that members can easily complete by clicking on the tabs below:

#### **FIELD LIST**

Fields Part A: General Practices Part B: Wells Part C: Fields

Part D: Farm Map Submission Form

#### **Part C: Field Evaluations**

Tab 1. Field Information - Identify your field name, its total acreage and select crop type and a specific crop. You can use mapping tools to approximately draw the specific field on your parcel.

Tab 2. Field Specific Evaluation - Identify your irrigation methods and check all irrigation efficiency practices that apply to your field. For any practices not listed please identify by typing in the "other practice."

Identify nitrogen management methods to minimize leaching past the root zone by checking all that apply. **Tab 3. Sediment and Erosion Control** - Identify your irrigation practices for managing sediment and erocion by checking all that apply. For any practices not listed please identify by typing in the "other practice."

Identify your cultural practices for managing sediment and erosion by checking all that apply. For any practices not listed please identify by typing in the "other practice."

VIDEO DEMO

#### Current Yearld: 3 (here for testing)

+ ADD NEW FIELD

#### 📽 Field List

Actions	Field Name	APN	On Map?	Acres	СгорТуре	Crop Variety	Primary Irrigation Method	Irrigation Practice Name	Sediment and Erosion Practice Name
28	Del Rey	309-061-40	Yes	17.00	TRUCK, NURSERY AND BERRY CROPS	Misc Truck	Drip	Asian Vegatable	No Name Provided or Practice is incomplete
2	Indianola West	309-140-56	Yes	13.00	TRUCK, NURSERY AND BERRY CROPS	Misc Truck	Drip	Asian Vegatables	No Name Provided or Practice is incomplete
2	Indianola/Clinton	309-061-07	Yes	13.00	TRUCK, NURSERY AND BERRY CROPS	Misc Truck	Drip	Asian Vegatables	No Discharge
2	Shields	309-061-49	Yes	14.00	IDLE	Fallow	Fallow	Unplanted	No Name Provided or Practice is incomplete
2	Greenwood	309-192-01	Yes	18.00	TRUCK, NURSERY AND BERRY CROPS	Misc Truck	Drip	Asian Vegatables	No Name Provided or Practice is incomplete
2	Adademy	309-180- 435	Yes	8.00	TRUCK, NURSERY AND BERRY CROPS	Misc Truck	Drip	Asian Vegatables	No Name Provided or Practice is incomplete
2	Academy Fallowed Field	309-180- 435	Yes	10.00	IDLE	Fallow	Fallow	Unplanted	No Name Provided or Practice is incomplete
GettingStarte	d#GetStarted								

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#### SUBMITTING REPORTS

8 TOTAL FIELDS	)	10 O	96.00	0.00 MISSING ACREAGE (PARCEL ACREAGE VS FIELD ACREAGE)

#### FARM EVALUATION PLAN COMPLETENESS: 100%

The progress bar does not show your overall completeness, only you as a member will know when you've finished. What the progress bar does show is the percentage of Field acreage vs Parcel irrigated Acreage

							100%
Do you	need help?						
Get Started	Part A: General Practices Part B: Wells Part C: Fields Par	t D: Farm Map Submis	sion Form				
l certify under µ with a system the informat persons dir knowledge and subn	penalty of law this document and all attachments were prepared under designed to assure that qualified personal or represented Members pro tion submitted. Based on my inquiry of the person or persons who mana rectly responsible for gathering the information, the information submitt d belief, true, accurate, and complete. I am aware that there are significa nitting false information, including the possibility of fine and imprisonme Current Yearld: 3 (here for testing)	my direction in accordance perly gather and evaluate ige the system, or those ed is, to the best of my nt penalties for knowingly nt for violations.					
	Preparers Name		_				
	Accepted Terms						
	Is Template Submitted						

### **OPTION TO PRINT-OUT REPORT**

	10 TOTAL WELLS	96.00 O	0.00 MISSING ACREAGE (PARCEL ACREAGE VS FIELD ACREAGE)	

#### FARM EVALUATION PLAN COMPLETENESS: 100%

The progress bar does not show your overall completeness only you as a member will know when you've finished. What the progress bar does show is the percentage of Field acreage vs Parcel irrigated Acreage

![](_page_54_Figure_4.jpeg)

![](_page_54_Picture_5.jpeg)

#### AFTER COMPLETING THE FES

Coalition Documents Coalition Faq Coalition Info Dashboard Coanition Info	True True Do you need help? CLICK HERE! © MEMBERSHIP STATUS FOR : (2017-2018)	True         Do you need help?         CLICK HERE!             MEMBERSHIP STATUS FOR : (2017-2018) If any items are red, your membership status is "Not In Good Standing", and will be reported as such, unless you as a tember are not required to do the specific section(s).									
NMP Summary Member Outreach Membership History	PAID DUES     FARM SURVEY     Image: Non-state     ATTENDED EVENT       GOTO     GOTO     GOTO     GOTO										
FormationEta	© QUICK LOOK FOR : (2017-2018)	96.00 AC IRRIGATED ACRES	\$ 232.40 TOTAL DUE	<ul> <li>2</li> </ul>							
	«" MEMBER INFORMATION Contact Information Full Name: CASEY CREAMER Address: 4886 E JENSEN AVE FRESNO, CA 93725 Phone Number: (559) 365-7958 Email Address: ccreamer@krcd.org	~ ~	<ul> <li>MEMBER DUES/FEE INFORMATION FOR : (2017-2018)</li> <li>Fee Information</li> <li>Year: 2017-2018</li> <li>Start Date/End Date: 9/1/2017 - 12/15/2017</li> <li>Membership Fee \$26.00</li> <li>Acres Fee: \$2.15</li> </ul>	> 2 D							

#### LISTING OF FIELDS FROM FES

#### NMP SUMMARY COMPLETENESS: 0%

Progress bar shows completeness of NMP Summary, Every Field in your Farm Evaluation must have an NMP Summary. Once every Field has a NMP Summary, progress will show 100% complete

#### + ADD NMP SUMMARY

Export to Excel								
Field Name	Сгор Туре 🌱	Crop Variety ү	Field Acreage	Primary Irriga 🍸	A (Ibs/acre)	A÷Y 🔻	Production Unit 🝸 N	I <b>Y</b>
Adademy (APN: 309-180-435)	TRUCK, NURSERY AND BERRY CROPS	Asian	8	Drip	0	0	C	<b>8</b>
Indianola/Clinton (APN: 309- 061-07)	TRUCK, NURSERY AND BERRY CROPS	Asian	13	Drip	0	0	¢	8
Del Rey (APN: 309-061-40)	TRUCK, NURSERY AND BERRY CROPS	Asian	17	Drip	0	0	¢	8
Clinton Farm (APN: 309-191- 20)	TRUCK, NURSERY AND BERRY CROPS	Asian	3	Drip	0	0	¢	8
Indianola West (APN: 309-140- 56)	TRUCK, NURSERY AND BERRY CROPS	Asian	13	Drip	0	0	¢	8
Greenwood (APN: 309-192-01)	TRUCK, NURSERY AND BERRY CROPS	Asian	18	Drip	0	0	¢	8

#### LISTING OF FIELDS FROM FES

#### NMP SUMMARY COMPLETENESS: 0%

Progress bar shows completeness of NMP Summary, Every Field in your Farm Evaluation must have an NMP Summary. Once every Field has a NMP Su

+ ADD NMP SUMMARY						
M Conort to Excel						
Field Name	Сгор Туре ү	Crop Variety ү	Field Acreage	Primary Irriga 📍	A (Ibs/acre)	A
Adademy (APN: 309-180-435)	TRUCK, NURSERY AND BERRY CROPS	Asian	8	Drip	0	0
Indianola/Clinton (APN: 309- 061-07)	TRUCK, NURSERY AND BERRY CROPS	Asian	13	Drip	0	0
Del Rey (APN: 309-061-40)	TRUCK, NURSERY AND BERRY CROPS	Asian	17	Drip	0	0
Clinton Farm (APN: 309-191- 20)	TRUCK, NURSERY AND BERRY CROPS	Asian	3	Drip	0	0
Indianola West (APN: 309-140- 56)	TRUCK, NURSERY AND BERRY CROPS	Asian	13	Drip	0	0
Greenwood (APN: 309-192-01)	TRUCK, NURSERY	Asian	18	Drip	0	0

#### NITROGEN SUMMARY REPORT

		New NMP Summary Entry Form		×		🎟 English 🗸 🗘 🔩 KR	WQC\15685 👤 📃
VIDEO DEMO							
		Select A Field Site Lo	cation	•			
Do you need help	)? ?						
CLICK HERE!		Crop Type	Crop Variety				
	TENESS: 004	0					
Progress bar shows completeness	s of NMP Summary				P Summany, progress will show 100	% complete	
ingress our shows completenes.	sorrann sammary	Crop Descript	ion(optional)		Summary, progress will show too	2 complete	014
		Input the sum of Total Available N Apr	plied + N in Irrigation Water = Total	IN			050
+ ADD NMP SUMMARY		Applied, A	(lbs/acre)	_			
D Functor Fund	_	A ÷ Actual Per	Acre Yield, Y				
Field Name	Crop Type	Non Bearing	No Yield		A÷Y Troduction	n Unit 🝸 N 🍸	
Adademy (APN: 309-180-435)	TRUCK, NURSERY	Select Unit		•	0	x	*
Indianola/Clinton (APN: 309-	AND BERRY CROP	Unit Valu	ie in Lbs			Ő	
061-07)	AND BERRY CROP	0			0	×	
Del Rey (APN: 309-061-40)	TRUCK, NURSERY AND BERRY CROP				0	$\otimes$	
Clinton Farm (APN: 309-191-	TRUCK, NURSERY	Calculated Yield			0	$\otimes$	
Indianola West (APN: 309-140-	TRUCK, NURSERY	Based on the above input, your fields calcula	ated Yield (lbs/acre) is:		0	Ø	
56)					Ŭ I	©	
Greenwood (APN: 309-192-01)	AND BERRY CROP				0	$(\mathbf{X})$	
		Please Verify this with your current records					
			CANCEL 🖹 SAV	VE			
				-			_ (↑)

### NITROGEN SUMMARY REPORT

		New NMP Summary Entry	/ Form	×	🖬 English 🗸 🥠	KRWQC\15685 👤 📄
VIDEO DEMO			Site Location			
		Adademy (APN: 309-180-435)		<b>.</b>		
Do you need help	)?	TRUCK, NURSERY AND BERRY	CROPS Asian			
CLICK HERE!		Crop Type	Crop Va	riety		
NMP SUMMARY COMPLE	TENESS: 0%	8	l otal Acres	<u> </u>		
Progress bar shows completenes	s of NMP Summary	Cro	p Description(optional)	VP Sur	mmary, progress will show 100% complete	
			F		Amount of	Nitrogen 🐘
+ ADD NMP SUMMARY		Input the sum of Total Avai	able N Applied + N in Irrigation Applied, A (Ibs/acre)	Water = Total N	Applied in pou	inds per acre
0		A÷	Actual Per Acre Yield, Y			atio
IXI Export to Excel	Case Tree	Non Bearing	No Yield			
Field Name				T A	Applied Nitro	gen ÷ Yield
Adademy (APN: 309-180-435)	AND BERRY CROF	Carton		× • 0		
Indianola/Clinton (APN: 309- 061-07)	TRUCK, NURSEP AND BERRY CKO	1/2-bushel carton (28 lbs) //2-bushel carton (30 lbs)		0	$\otimes$	
Del Rey (APN: 309-061-40)	TRUCK, NURSE	2 Layer Carton (22 lbs) 2/3 Carton (30 lbs)		0	8	
Clinton Farm (APN: 309-191-	TRUCK, NU SERY	Carton (100 lbs)		0	x	
20) Iodianola West ( PH: 306 1-10.	AND BERRY CROS	Carton (13 lbs)				
Units	of Pro	duction		• 0	$\otimes$	
- How you n	neasur	ed your yield		0	8	
- Tons, Pour	nds, Bir	ns, Cartons,	nt records			
etc.			CAN	ICEL 🕒 SAVE		
						$(\uparrow)$

### **COMMON UNITS OF PRODUCTION**

- Tons
- Pounds
- Bale
- Bin (pounds)
- Lug/Tote Box (pounds)
- Crate (pounds)
- Carton (pounds)

![](_page_60_Picture_8.jpeg)

# **COMMON ISSUES ON SUBMITTED REPORTS**

#### **Farm Evaluations**

- Not listing your Member ID and/or Name on any page
- Not listing Crops and/or APNs on Part C of the Farm Evaluation Survey
- Not including all of the Member IDs represented on the Farm Evaluation Survey

#### Nitrogen Summary Report

- Missing Crops, Crop Year, APNs, Member ID, Production Units
- Please don't send in your worksheets in place of the summary report