

# Fertilizing Materials Tonnage Reporting

California Department of  
Food and Agriculture  
2013 Nitrogen Tracking and Reporting System  
(Task Force)

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## What is a Tonnage Report?

- A semi-annual report of the tons of fertilizing materials sold and distributed in California.
- [http://www.cdfa.ca.gov/is/ffldrs/Fertilizer\\_Tonnage.html](http://www.cdfa.ca.gov/is/ffldrs/Fertilizer_Tonnage.html)





## Purpose of the Tonnage Report

- To Keep track of fertilizer sold/distributed in California
- To comply with fertilizing materials law and regulations Food and Agricultural Code Section 14621





## Data Elements: What fertilizing materials require reporting?

- Fertilizing materials with nutrient guarantees require reporting.
- There are three categories of materials reported:
  - Commercial Fertilizers-farm use, NPK  $\geq 5\%$ .
  - Specialty Fertilizers-home and garden, may contain less or more than 5% N, P, or K, singly or collectively.
  - Agricultural Minerals-farm use & home and garden, NPK  $< 5\%$  including compost with nutrient guarantees.



## Data Elements (continued)

- **Organic Input Material (OIM)** with guarantees are reported under the specific product, in the same fashion, NPK > or < than 5%.
- Products with no nutrient guarantees do not require reporting, such as **auxiliary soil and plant substances (ASPS)** or **soil amendments**.
  - ASPS: bacterial inoculants, biotics, soil binding agents and wetting agents
  - Soil amendments: conditioning soil through physical means (hay, straw, peat moss...)





## Reporting mechanism: Who reports?

- Distributor/seller/broker of bulk fertilizing material
- Manufacturer/guarantor of packaged products

## Reporting mechanism: When to report tonnage?

- Tonnage reporting is required semi-annually.
- Reporting period **January 1 – June 30** is due after June 30 and delinquent after July 31.
- Reporting period **July 1 – December 31** is due after December 31 and delinquent after January 31.



# Filling out the Tonnage Report

STATE OF CALIFORNIA  
 TONNAGE REPORT FOR COMMERCIAL FERTILIZERS  
 SPECIALTY FERTILIZERS AND AGRICULTURAL MINERALS  
 513-033 (Rev. 6/08)

DEPARTMENT OF FOOD AND AGRICULTURE  
 FEED, FERTILIZER, AND LIVESTOCK DRUGS  
 REGULATORY SERVICES

FOR SIX-MONTH PERIOD January 1 – June 30, 2009  
**DELINQUENT AFTER July 31, 2009**

USE A SEPARATE FORM FOR *EACH COUNTY* WHERE MATERIAL IS SOLD/DISTRIBUTED (NOT REQUIRED TO REPORT IF LESS THAN ONE TON PER COUNTY) AND ENTER THE COUNTY CODE NUMBER BELOW (See Reverse for code number(s)). **Please make a copy of this form for each county in which you are reporting tonnage.**

County Code No. Where Sold/Distributed: \_\_\_\_\_

\_\_\_\_\_  
 Name and Title of Authorized Representative

\_\_\_\_\_  
 Phone Number

⇒ **REPORT ALL NUMBERS IN WHOLE TONS ONLY. ROUND OFF (0.5 & GREATER, ROUND UP; 0.49 & LESS, ROUND DOWN)** ⇐  
**PLEASE REPORT NON-FARM AND FARM-USE TONS SEPARATELY IN APPROPRIATE AREA**

**NON-FARM USE TONS**

(Registered Specialty Fertilizer/ Packaged  
 Ag Minerals for Home and Garden Use)

Dry Bulk \_\_\_\_\_

Dry Packaged \_\_\_\_\_

TOTAL: \_\_\_\_\_  
 (Non-Farm Use Only)

Liquid Bulk \_\_\_\_\_

Liquid Packaged \_\_\_\_\_

**FARM-USE TONS (Commercial Use, Farm, Golf Courses, Professional Landscaping, Not Home and Garden)**

Fertilizer Code	NITROGEN MATERIALS	Grade	Dry Bulk	Dry Packaged	Liquid
2	Anhydrous Ammonia	82-0-0			
6	Aqua Ammonia	20-0-0			
10	Ammonium Nitrate	34-0-0			
12	Ammonium Nitrate Solution	20-0-0			
20	Ammonium Polysulfide	20-0-0			
24	Ammonium Sulfate	21-0-0			
31	Ammonium Thiosulfate	12-0-0			
601	Blood Meal	12-0-0			
35	Calcium Ammonium Nitrate	17-0-0			
43	Calcium Nitrate	15-0-0			
58	Nitrogen Solution 28%	28-0-0			
60	Nitrogen Solution 32%	32-0-0			
62	Sodium Nitrate	16-0-0			
64	Sulfur Coated Urea	36-0-0			
66	Urea	46-0-0			
67	Urea Solution	20-0-0			
97	Nitrogen Materials – All Other Material	0-0-0			
Fertilizer Code	PHOSPHORUS MATERIALS	Grade	Dry Bulk	Dry Packaged	Liquid
203	Diammonium Phosphate	18-46-0			
207	Ammonium Phosphate Sulfate	16-20-0			
209	Monoammonium Phosphate	11-52-0			
248	Phosphoric Acid	0-54-0			
249	Liquid Ammonium Polyphosphate	10-34-0			
263	Superphosphate, Normal	0-22-0			
267	Superphosphate, Triple	0-46-0			
297	Phosphorus Materials – All Other Material	0-0-0			
Fertilizer Code	POTASSIUM MATERIALS	Grade	Dry Bulk	Dry Packaged	Liquid
428	Muriate of Potash	0-0-60			
443	Sulfate of Potash, Magnesia	0-0-22			
453	Potassium Nitrate	14-0-14			
463	Potassium Sulfate	0-0-50			
497	Potassium Materials – All Other Material	0-0-0			
Fertilizer Code	AGRICULTURAL MINERAL MATERIALS		Dry Bulk	Dry Packaged	Liquid
723	Copper – All Materials				
731	Iron – All Materials				
732	Gypsum – All Materials				
770	Sulfur				
774	Sulfuric Acid				
797	Secondary/Micronutrients – All Other Material				
907	Liming Materials – All Materials				
667	Sewage Sludge				



## Reporting a fertilizer material blend

- Commercial fertilizer blend has a grade of **(25–14–15)** and there were **12 tons** delivered: the Nitrogen reported on code 97, All Other Material is  **$25\% \times 12 \text{ tons} = 3 \text{ tons}$** .
- The Phosphorus reported on code 297, All Other Material is  $14\% \times 12 \text{ tons} = 1.68 \text{ tons}$  rounded to 2 tons.
- The Potassium reported on code 497, All Other Material is  $15\% \times 12 \text{ tons} = 1.8 \text{ tons}$  rounded to 2 tons.

## Reporting a fertilizer material blend.....

- 22-0-0 fertilizer (blend of 10 tons)
  - Calcium nitrate 9-0-0
  - Nitrogen solution 32-0-0

Figure out how much N is needed for 22% = 440 lbs  
( $0.22 * 2000 \text{ lbs} = 440 \text{ lbs}$ )

Figure out how much of each ingredient to use;

- $0.09x + 0.32y = 440 \text{ lbs}$
- $x + y = 2000 \text{ lbs} \longrightarrow x = (2000 - y)$
- $0.23 y = 260 \text{ lbs}$  or  $y = \mathbf{1130 \text{ lbs}}$  (N solution)
- $x = 2000 - 1130 = \mathbf{870 \text{ lbs}}$  (Calcium nitrate)
- $.09(870) + 0.32(1130) = 439.9 \text{ lbs}$
- $78.3 + 361.6 = 439.9 \text{ lbs}$

For 10 tons...multiply by 10 and need to report when  $> .5$  tons





## Reporting Mechanism:

- Paper reporting is accepted
- Electronic: January 1, 2010, we moved into a new database, web-based, tonnage reporting system <https://inspect.cdfa.ca.gov/evj/ExtraView>
- Regulatory: **The Fertilizer Program is required by law to maintain tonnage reports of fertilizers sold and distributed in the state.** There is a \$200 late fee for reports received after delinquent date.

# Electronic Tonnage Reporting

- Select county.
- Select either Farm-Use or Non-Farm.
- Select type of material for Farm-Use only.
- Report whole tons only

**Business Area License Applications**  
Record Type Commercial Fertilizer Tonnage Report

**Reminders for Commercial Fertilizer Tonnage Report**

- Do not report Packaged Soil Amendments or Auxiliary Soil and Plant Subst
- Zero reports are required - Check no data to report box**
- Bulk fertilizing materials shall be reported by the last licensee selling to the Packaged materials shall be reported by the licensee whose name appears label as the manufacturer or label guarantor

Enter and complete all required fields (highlighted in red). To submit for p After submitting, from the Firm main page, please click the Process Cart b

**Commercial Fertilizer Tonnage Report**  
Firm ID 204555

NO DATA TO REPORT

**Farm Use and Non-Farm Use are Required(ente**

Check to Delete Row

Reporting County  
Farm Use or Non-Farm Use

67 Sacramento

Farm Use  Non-Farm Use

Add another Row

**I Certify That The Information Contained In This Application Is True And Correct**

Certify First Name [K] Certify Last Name [G] Certify Middle Initial [ ]  
I Agree  Phone Number [ ]

**Fee Schedule**

Type Commercial Fertilizer Tonnage Report  
Period 7/1/12-12/31/12  
Fee/Rate \$ 0  
Fee Due \$ 0  
Total Due \$ 0.00

Expire Date Dec 31, 2012

Firm: TEST\_FIRM

License ID 204597  
ID # 208346

Code	Grade	Dry Bulk - Farm Use	Dry Pkgd - Farm Use	Liquid - Farm Use
		Dry Bulk - Non-Farm Use	Dry Pkgd - Non Farm Use	Liquid Pkgd - Non-Farm Use





## Economic Cost and Measure of Success

- Administrative cost for compiling and submitting reports semiannually
- Success can be measured by the level of compliance (98% of licensees reporting)



## Scale for the Fertilizing Materials Tonnage Report

- County and State
- County code in space provided
- Code numbers are found on back of form
- Provide a separate form for each County where material is sold/distributed





## Benefits and Challenges

- **Benefits**

- Provide statistical data on the distribution of commercial fertilizers, specialty fertilizers and agricultural minerals in California
- Data compiled at the national level by the Association of the American Plant Food Control Officials for all 50 states

- **Limitations:**

- Does not mean “application”
- Reporting is complex
- Reporting blends is prone to errors
- Verification “zero” reports



**THANK YOU!**