

# MAINE STATE LEGISLATURE

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**Maine Department of Agriculture, Conservation & Forestry**  
**Division of Quality Assurance & Regulations**

**FERTILIZER  
PROGRAM  
SUMMARY  
REPORT**

**2016**

This report outlines the major accomplishments and results of Maine's 2016 Fertilizer Quality Control Program produced in accordance with MRS Title 7. Our mission statement for this program is to serve, promote and protect the Agricultural Producers, and Retail Consumers of the State of Maine by continuously working to improve the quality of fertilizer products sold in Maine.

This report outlines the major accomplishments and results of Maine's 2016 Fertilizer Quality Control Program produced in accordance with MRS Title 7. An annual report is required to be submitted to the joint standing committee of the Legislature having jurisdiction over agricultural matters, which is authorized to report out a bill.

Accomplishments and goals from last year's report were achieved. Through legislative changes in the statute language in 2015, warnings and penalties for non-compliances and deficiencies can now be implemented. A database has been created to calculate and track these non-compliances and deficiencies.

Confidential survey letters were sent to all registrants requesting retail prices per ton of fertilizer materials used in their products. Based on the survey's response, the unit prices for total nitrogen (N), available phosphate ( $P_2O_5$ ) and soluble potash ( $K_2O$ ) were calculated and posted on the department's web site as required by statute. These values must be used in determining and assessing penalty payments.

In accordance with our statute, specifically §745 Inspection, sampling and analysis the department utilized a recognized referee lab to analyze the results of the official fertilizer samples received from the other labs. This was to verify that current AOAC (Association of Official Analytical Chemists) International methods were being followed to analyze official samples to be in compliance with the statute and also to maintain transparency to the consumer and industry during the development of the program. No nutrient deficiencies were issued this past year as the lab methods are being verified and validated. Letters were sent to the growers and suppliers as soon as the results were received.

Compliance letters have been sent out in 2016 to companies for failure to register their products being sold in the state of Maine and failure to report their tonnage being sold in the state of Maine. The amount of samples this past year has been reduced to allow for the implementation of the legislative changes to complete the fertilizer program in accordance with the Fertilizer Law. These changes increased the administrative and analytical duties to manage the program.

Labeling of fertilizer products has been of major concern for our program. Last fall, the Department conducted a power point presentation to the industry reviewing all the legislative changes.

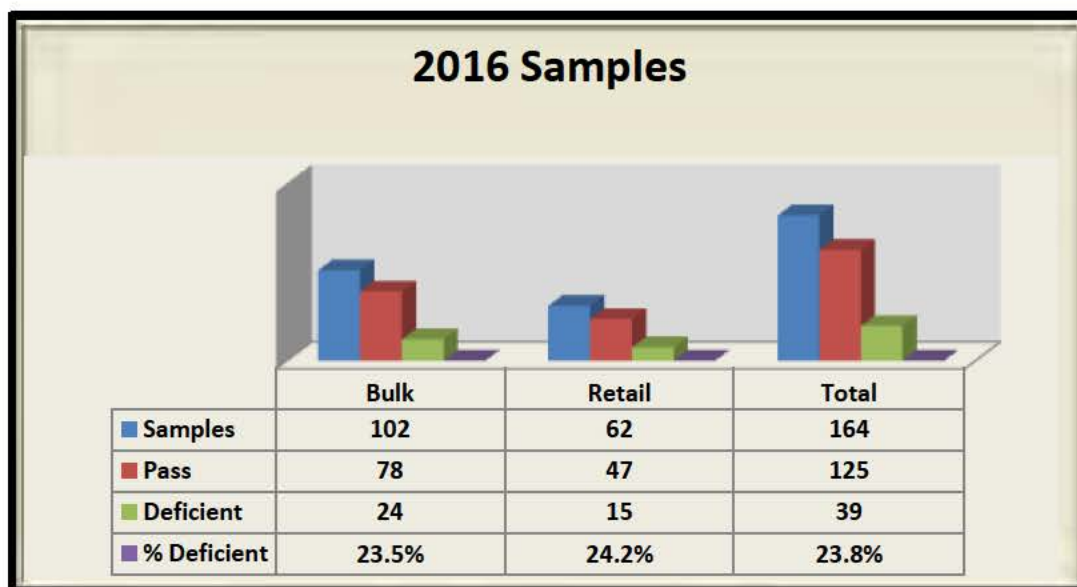
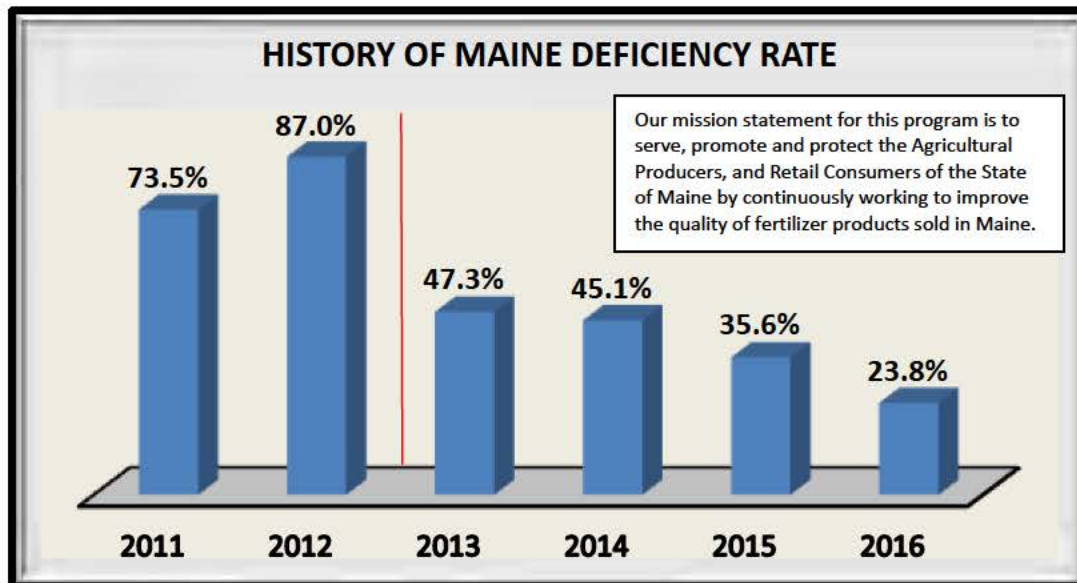
The presentation included the requirements for product labeling in accordance with §744 Labeling which states: any commercial fertilizer distributed in this State in containers must have placed on or affixed to the container a label setting forth in clearly legible form the information required by section 743, subsections 1 to 5. If distributed in bulk, a written or printed statement of the information required by section 743, subsections 1 to 5, must accompany delivery and be supplied to the purchaser at time of delivery.



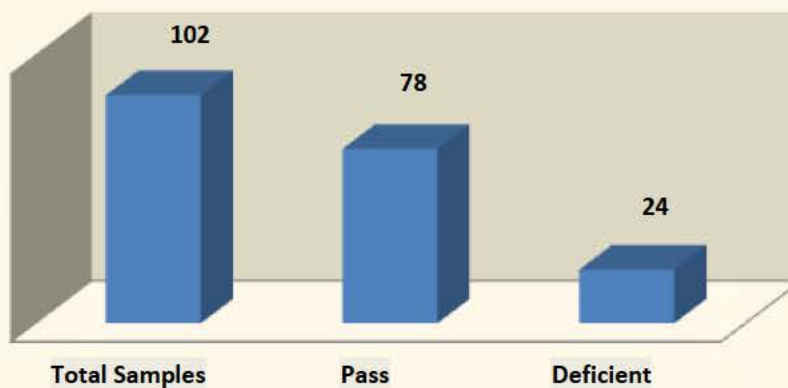
New product labels are reviewed prior to approval for registration to ensure both Agricultural Producers, and Retail Consumers are properly informed of the safe use of fertilizers and are purchasing product as stated on the label which has been verified through sampling and laboratory analysis.

In 2014, the blend plants paid \$44,020 for registrations and tonnage fees. The tonnage fees paid by the plants represented approximately 44% of the revenue going into the dedicated account to fund the program. No tonnage fees were collected in 2015 after the passage of Bill LD938 which eliminated tonnage fees. In 2016, the blend plants paid \$12,250 in registration fees which represented approximately 2.58% of the registration revenue. The cost to the blend plants which was ultimately passed on to the Maine consumer was reduced by 69.39% after the elimination of the tonnage fees.

Our mission statement for this program is to serve, promote and protect the Agricultural Producers, and Retail Consumers of the State of Maine by continuously working to improve the quality of fertilizer products sold in Maine.

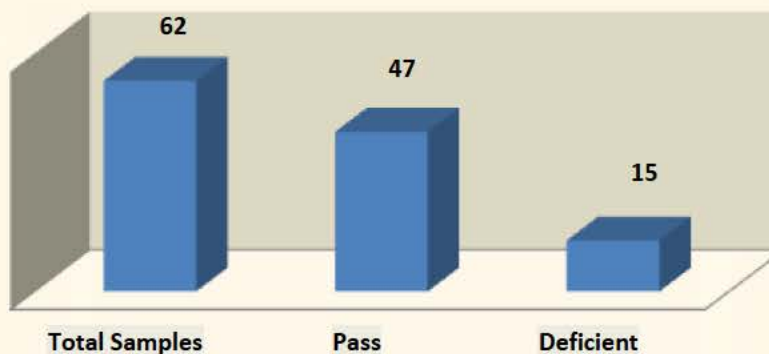
SAMPLING DATA

### 2016 Blend Plant Results



Bulk Samples from Plant Locations & Border Stations

### 2016 Retail Sampling Results



Samples from Retail Locations, Farms & Distributors includes Bulk Bags, Retail Bags & Liquids

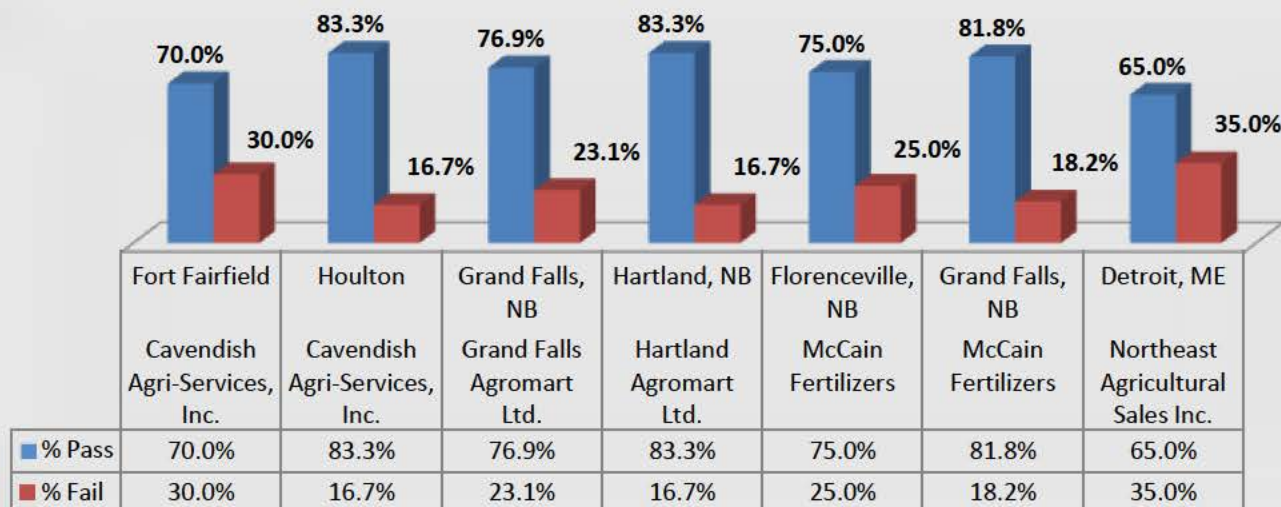


# FERTILIZER PROGRAM SUMMARY REPORT

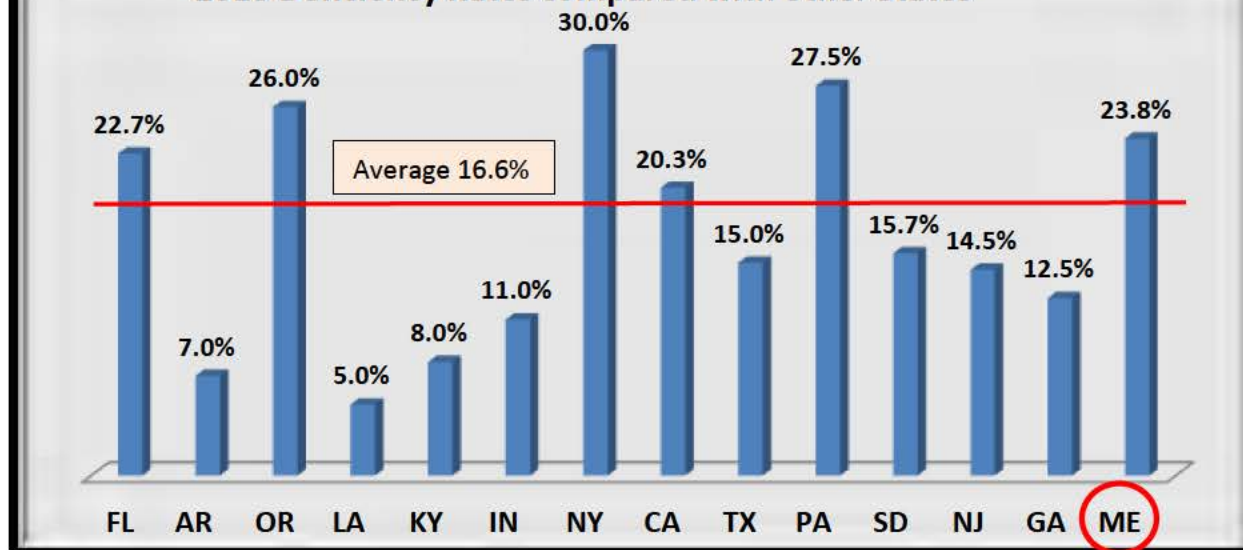
2016

2016 Retail Results by Company and Brand					
Company	Sample Location	Brand	Guaranteed Analysis	Lab Analysis	Disposition
Cavendish Agri Services	Ellsworth	Cavendish	6.3-30-4.8	6.61-29.26-10.39	Pass
Cavendish Agri Services	Orland, ME	Cavendish	18-46-0	17.65-47.55-0	Pass
Cavendish Agri Services	Orland, ME	Cavendish	11-52-0	11.18-51.87-0	Pass
CE Vail Bernardston	Farm Shed, Gray, ME	None	0-0-62	0-0-61.97	Pass
CE Vail Bernardston	Farm Shed, Gray, ME	None	18-14-0	18.6-13.7-0	Pass
Connecticut River Ag.	Farm Shed, Gray, ME	None	46-0-0	46.4-0-0	Pass
Connecticut River Ag.	Farm Shed, Gray, ME	None	0-0-24	0-0-25.1	Pass
Darling Ingredients Inc., dba Griffin Industries LLC	Northeast Agriculture, Detroit	Nature Safe	8-5-5	8.95-5.12-5.29	Pass
Drexel Chemical Company	Union Warehouse, Union, ME	Drexel X	25-0-0	25.1-0-0	Pass
Gro Tec Inc	Lowes Presque Isle	Sta-Green	29-0-5	30.89-0-6.54	Pass
Hartland Agromart LTD	Maine Seed Co. Warehouse,	Hartland Agromart	19-19-19	19.3-18.5-18.0	Pass
Hartland Agromart LTD	Maine Seed Co. Warehouse,	Hartland Agromart	5-10-10	5.5-10.4-10.5	Pass
Hartland Agromart LTD	Maine Seed Co. Warehouse,	Hartland Agromart LTD	13-13-13	13.3-13.2-12.6	Pass
Hartland Agromart LTD	Maine Seed Co. Warehouse,	Hartland Agromart LTD	10-15-10	9.7-14.1-9.4	Deficient
Hartland Agromart LTD	Farm Exeter	Hartland	15-8-17	14.3-6.7-18.6	Deficient
Helena Chemical Co	Ellsworth	CoRon	25-0-0	25.5-0-0	Pass
Kreher Enterprises, Inc.	Farm Freeport	Kreher's	5-4-3	5.3-3.8-2.7	Pass
L. D. Oliver Seed Co, Inc.	RZR Hardware Waldoboro	Green Mountain Fertilizer	5-10-10	6.05-11.11-11.22	Pass
L. D. Oliver Seed Co, Inc.	Bangor	Green Mt. Fertilizer	10-6-4	9.01-5.56-4.15	Deficient
L. D. Oliver Seed Co, Inc.	Bangor	Green Mt. Fertilizer	6-0-16	4.23-0-18.3	Deficient
Liquid Products LLC	Union - warehouse	Liquid Products	26-0-0	25.9-0-0	Pass
Liquid Products LLC	Maine Seed Co. Warehouse,	Liquid Products	11-37-0	11.3-37.4-0	Pass
Loveland Products Inc	Union Warehouse, Union, ME	Black Label Zn	6-20-0	6.1-14.9-0	Deficient
Loveland Products Inc	Union warehouse	Rise R	7-17-3	7.1-17.1-3.4	Pass
Loveland Products Inc	Union	Black Label	6-20-0	6.0-20.1-0	Pass
Maine Potato Growers Inc	Union warehouse	QuickStart	7-22-5	7.4-21.7-5.3	Pass
Nachurs Alpine Solutions	Canton Barn, Canton, ME 04221	Nachurs	6-24-6	6.0-23.9-6.2	Pass
Nachurs Alpine Solutions	Maine Seed Co. Warehouse,	Nachurs Alpine Solutions	3-10-13	4.0-10.0-13.3	Pass
Nachurs Alpine Solutions	Maine Seed Co. Warehouse,	Nachurs Alpine Solutions	6-24-6	6.0-24.2-6.3	Pass
Nachurs Alpine Solutions	Maine Seed Co. Warehouse,	Nachurs Alpine Solutions	0-0-24	0-0-23.3	Pass
Nachurs Alpine Solutions	Maine Seed Co. Warehouse,	Nachurs Alpine Solutions	3-18-18	3.1-18.2-18.1	Pass
North Country Organics	Farm, Freeport	Pro-Grow	5-3-4	5.3-2.4-5.1	Pass
Northeast Agricultural Sales	Bucksport	Northeast Agriculture Sales	23-12-18	22.9-12.1-17.4	Pass
Northeast Agricultural Sales	Bangor	Blue Seal	6-0-16	6.18-0-16.3	Pass
Northeast Agricultural Sales	Bangor	Northeast Ag Sales Inc.	10-20-10	10.9-20.9-8.52	Deficient
Northeast Agricultural Sales	Bangor	Blue Seal Feeds	45-0-0	46.0-0-0	Pass
Northeast Agricultural Sales	Bangor	Blue Seal Feeds	5-10-10	3.95-7.46-8.82	Deficient
Northeast Agricultural Sales	Bangor	Blue Seal Feeds & Needs	24-12-18	23.1-11.9-19.3	Deficient
Northeast Agricultural Sales	Bangor	Blue Seal Feeds & Needs	15-15-15	15.1-14.8-14.3	Pass
Northeast Agricultural Sales	Bangor	Blue Seal Feeds & Needs	10-10-10	7.73-2.13-13.6	Deficient
Northeast Agricultural Sales	Farm Shed, Gray, ME	Northeast Ag.	7-4-23	7.5-2.9-24.9	Deficient
Northeast Agricultural Sales	Farm Shed, Gary, ME	Northeast	21-9-3	21.3-9.4-3.9	Pass
Northeast Agricultural Sales	Canton Barn, Canton, ME 04221	Northeast	35-0-14	33.9-0-15.8	Deficient
Northeast Agricultural Sales	Canton Barn, Canton, ME 04221	Northeast	16-14-13	15.6-14.0-13.9	Pass
Northeast Agricultural Sales	Union Warehouse, Union, ME	Northeast	6.3-30-4.8	6.2-27.7-10.8	Deficient
Northeast Agricultural Sales	Ellsworth	Northeast	6.3-30-4.8	6.80-29.2-4.95	Deficient
Southern States Coop Inc.	RZR Hardware Waldoboro	Agway	10-10-10	11.69-9.68-9.70	Pass
Southern States Coop Inc.	RZR Hardware Waldoboro	Agway	5-10-10	6.87-10.81-9.97	Pass
Southern States Coop Inc.	Belfast Store	Agway	5-0-3	5.14-0-3.47	Pass
Southern States Coop Inc.	Blue Hill	Agway	10-10-10	7.91-9.05-9.48	Deficient
The Espoma Co	Walmart Augusta	Organic Holly-Tone	4-3-4	5.22-4.06-6.07	Pass
The Scotts Co	Belfast Store	Scott's	26-0-3	26.6-0-2.9	Pass
The Scotts Co	Belfast	Scotts	24-25-4	24.0-25.3-3.94	Pass
The Scotts Co	Belfast Store	Scotts	32-0-4	32.4-0-3.82	Pass
The Scotts Co	Blue Hill	Scotts	24-25-4	24.7-24.0-4.25	Deficient
The Scotts Co	Blue Hill	Scotts	32-0-4	32.7-0-4.13	Pass
The Scotts Co	Blue Hill	Scotts	32-0-4	32.6-0-4.36	Pass
The Scotts Co	Blue Hill	Scotts	26-0-3	27.1-0-3.35	Pass
The Scotts Co	Lowes Presque Isle	Scotts	32-0-4	32.8-0-3.86	Pass
Turf Care Supply Corp	Aubochon Hardware, Augusta	Lanscapers Select	13-13-13	15.22-14.07-12.44	Pass
Winfield Solutions LLC	Tractor Supply Co. Presque Isle	Ground Work	10-10-10	10.74-10.67-10.05	Pass
Yara North America Inc	Farm Shed, Gray, ME	YaraLiva	15.5-0-0	15.8-0-0	Pass

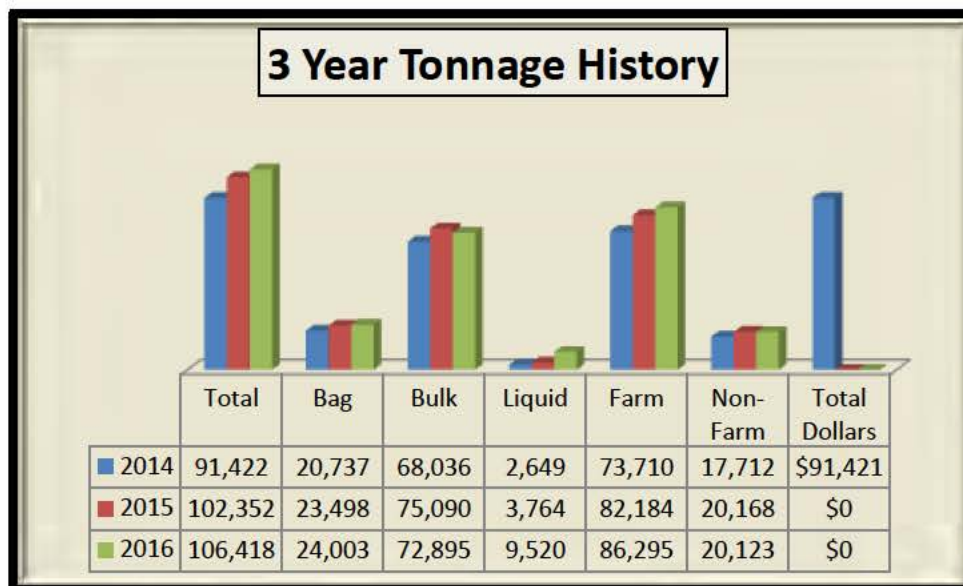
### 2016 Blend Plant Results by Plant



### 2016 Deficiency Rates compared with other States

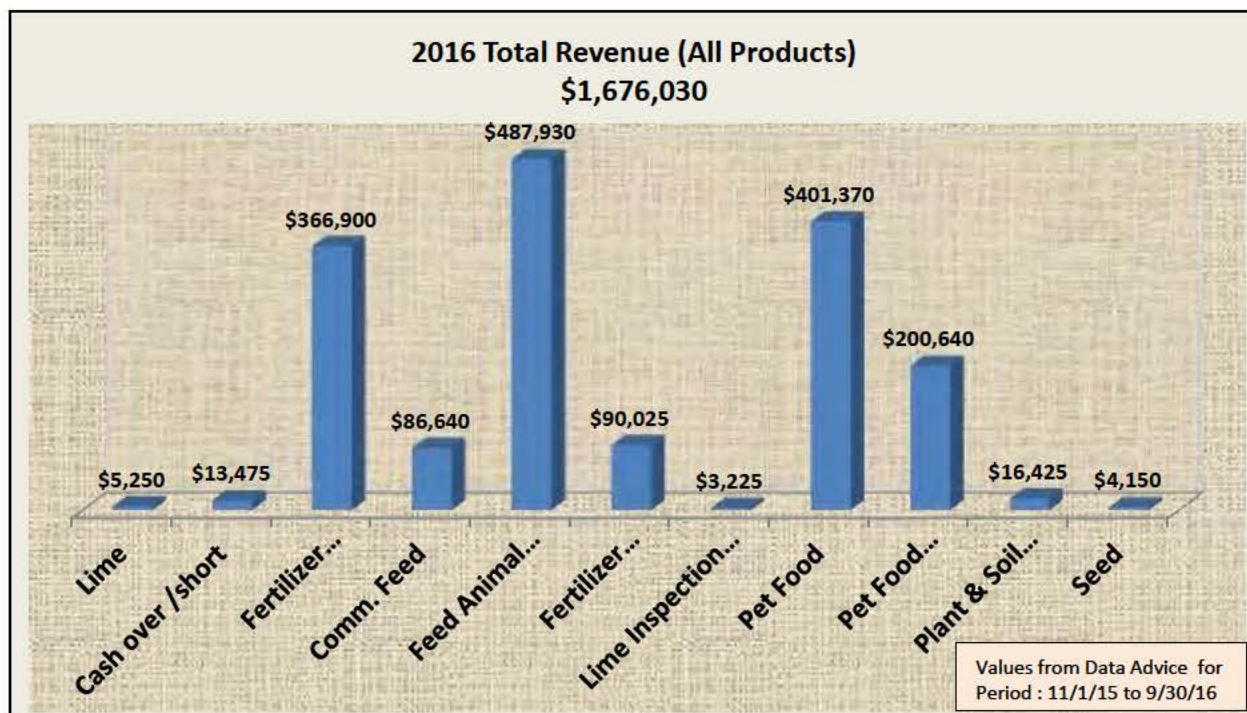
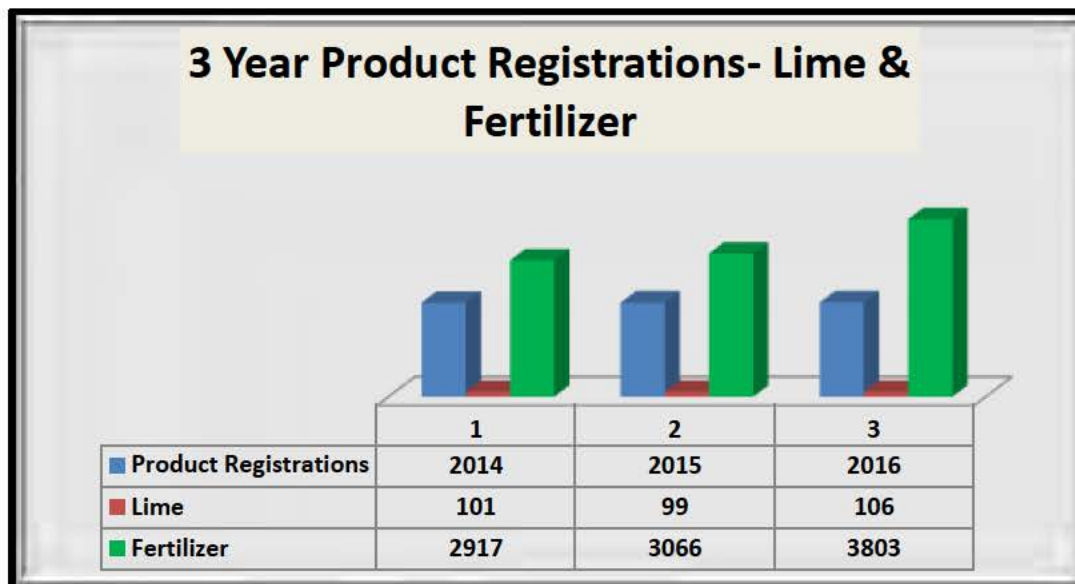




**TONNAGE DATA****FERTILIZER SUMMARY****DIVISION OF QUALITY ASSURANCE & REGULATIONS – MAINE****(Example of Tonnage Report Summary for 2016)****TONNAGE REPORT****From: July, 2015 to June, 2016**

	<u>CONTAINER</u>				<u>USE</u>	
	TOTAL	BAG	BULK	LIQUID	FARM	NONFARM
MULTI-NUTRIENT	37,846.00	11,793.00	22,420.00	3,633.00	28,626.00	9,220.00
NITROGEN	24,085.00	753.00	17,768.00	5,564.00	23,803.00	282.00
PHOSPHATE	60.00	51.00	0.00	9.00	28.00	32.00
POTASH	15,424.00	254.00	15,081.00	89.00	15,197.00	227.00
ORGANICS	3,684.00	3,361.00	320.00	3.00	279.00	3,405.00
SEC/MICRO	5,010.00	4,712.00	134.00	164.00	500.00	4,510.00
LIME	19,527.00	2,922.00	16,603.00	2.00	17,256.00	2,271.00
MISCELLANEOUS	782.09	157.09	569.00	56.00	606.00	176.09
<b>TOTAL</b>	<b>106,418.09</b>	<b>24,003.09</b>	<b>72,895.00</b>	<b>9,520.00</b>	<b>86,295.00</b>	<b>20,123.09</b>

### PRODUCT REGISTRATION



**LAB DATA**

<b><u>LAB TURN AROUND SUMMARY REPORT</u></b>							
Averages	Number of Samples	Sample Date to time to lab (Days)	Days for Results after Lab Rec'd	Days from sent to results	Total Days (Sample to Result)	Letters Sent (Days)	Posted (Days)
Overall Average (All)		3.20	13.01	15.89	18.09	1	1
(HP) High Priority Average (All)		3.19	13.00	15.89	18.08	1	1
(LP) Low Priority Average (All)		3.15	16.91	19.22	21.38	1	1
<b><u>INDIVIDUAL LAB TURN AROUND DATA</u></b>							
UMO HP	71	3.34	16.94	17.61	19.94	1	1
UMO LP	33	2.79	22.91	26.36	28.15	1	1
Total	104						
Spectrum HP	60	3.25	2.90	8.10	10.35	1	1
Total Samples	164						
<b><u>REFEREE LAB TURN AROUND DATA</u></b>							
Thornton	15	NA	6.47	8.47	NA	NA	NA



