



Office of the Secretary

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Joseph Bartenfelder, Secretary
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October 27, 2021

The Honorable Lawrence J. Hogan, Jr. Governor 100 State Circle Annapolis, MD 21401

The Honorable Adrienne A. Jones Speaker Maryland House of Delegates State House, H-101 100 State Circle Annapolis, MD 21401 The Honorable Bill Ferguson President Maryland Senate State House, H-107 100 State Circle Annapolis, MD 21401

RE: Report Required by AG § 8-807 - MSAR # 11904

Dear Governor Hogan, Speaker Jones and President Ferguson:

AG § 8-807 states, "(a) On or before December 31 of each year, the Department of Agriculture shall report to the Governor, and, in accordance with § 2-1257 of the State Government Article, the General Assembly, on:

- (1) The farm acreage covered by nutrient management plans and the implementation and evaluation of those plans; and
- (2) In consultation with the Nutrient Management Advisory Committee, the implementation of the requirements of the Water Quality Improvement Act of 1998.
- (b) The report required under subsection (a) (2) of this section shall include information regarding:
 - (1) The level of participation in the nutrient management plan program;
 - (2) Additional resources that may be needed to meet the requirements of $\S 8-803.1$ of this subtitle;
 - (3) The effectiveness of nutrient application education programs; and
 - (4) The effectiveness of the Manure Transportation Project set forth in § 8–704.2 of this title.
- (c) (1) Beginning in 2020, the report required under this section shall include information on the production and use of animal manure by farm operations covered by nutrient management plans during the previous year, including:
 - (i) The amount of animal manure exported by farm operations to alternative use facilities or other farm operations in the State;

- (ii) The amount of animal manure exported out of the State by farm operations; and
- (iii) The amount of animal manure land applied by farm operations in the State and the source of that manure.
- (2) The information required under this subsection shall be reported: (i) By geographic area, including by county or local watershed; and (ii) In a manner that protects the identity of individual farm operation.

I am resubmitting the 2020 annual report as there was an error in the original. I hope you find the information contained in this report useful. Should you have any questions, please do not hesitate to reach out to Cassie Shirk, Director of Legislation and Government Affairs, at cassie.shirk@maryland.gov or 410-841-5889.

Sincerely,

Joseph Bartenfelder

Secretary, Department of Agriculture

Joseph Bartufeller

Pursuant to §8-807 of the Annotated Code of Maryland, the Maryland Department of Agriculture (MDA) is reporting on the coverage, implementation and evaluation of Nutrient Management Plans (NMPs) being used on Maryland farms.

Background

The Water Quality Improvement Act of 1998 requires all farmers grossing \$2,500 a year or more or livestock producers with 8,000 pounds or more of live animal weight to run their operations using a NMP. NMPs help farmers manage fertilizers, animal waste, and other nutrient sources more efficiently in order to meet crop needs while protecting water quality in streams, rivers and the Chesapeake Bay. Plans that address both nitrogen and phosphorus inputs are required for all agricultural operations, which produce plants, food, feed, fiber, animals or other agricultural products.

Farmers are required to keep their NMPs current, take new soil samples a minimum of once every three years and file annual reports with MDA describing how they implemented their NMPs during the previous year.

Farmers who own or manage 10 or more acres of agricultural land and apply their own nutrients, are required to attend a two-hour MDA-sponsored education program on nutrient application once every three years. Professionals and farmers certified to prepare NMPs are required to take continuing education courses in order to keep abreast of the latest nutrient management technologies and regulations.

Enforcement Activities

MDA strives to maintain a staff of nutrient management specialists to ensure that farmers are complying with the Nutrient Management Law and that environmental objectives are being met. In 2020, MDE was fully staffed with nine Agricultural Nutrient Management Specialists and two Urban Nutrient Management Specialists. One of the Urban Specialists is being trained to conduct reviews of certified consultants and completed 39 consultant reviews in the last six months of 2020. These specialists review NMPs submitted by farmers, analyze annual reports describing how farmers implement their plans during the previous year, and perform on-farm inspections to make certain that plans are up-to-date and being followed properly. MDA is authorized to issue fines and penalties, take administrative actions and pursue judicial actions, including civil and criminal proceedings. In CY20, MDA issued \$7,400 in fines to seven farmers. The breakdown is as follows: four farmers fined \$350 (\$1,400) and three farmers fined \$2,000 (\$6,000).

NMP Submissions

Maryland farmers are required by law to submit NMPs to MDA that have been developed by an MDA-certified consultant or farm operator who is trained and certified by MDA to develop a plan solely for their operation. As of December 2020, NMPs have been submitted for 5,251 farm operations. This represents a total farm acreage of 1,238,254 acres required to be protected by these plans, which is approximately 7,269 fewer acres than CY19.

Annual Implementation Reports

Farmers are required to maintain an updated NMP at the farm level to reflect changes in their operation. Annual Implementation Reports (AIRs) are required to be filed with MDA by March 1 of each year describing how nutrients were used in their operations. Every year MDA issues warning letters to farmers who fail to file the required AIR by the deadline, followed by notification of pending fines. In CY20, the Program made the decision to delay the warning letters by 30 days. The enforcement process was therefore also delayed by 30 days. By December 2020, 5,122 farm operations (regular AIRs- 4579, (concentrated animal feeding operations (CAFO)) AIRs- 543) had submitted AIRs to MDA. Seventy-nine farmers remain out of compliance at the end of the calendar year, resulting in \$19,750 of pending, uncollected fines. Eighteen farmers have paid the \$250 fine for a total of \$4,500 collected. At the end of the year, no farm operators had been sent to the Central Collections Unit as part of the enforcement process, but will be soon. In 2020, 181 regular operations and 19 CAFO operations were made inactive after contacting the farm operators to confirm they no longer farm or no longer meet the Nutrient Management requirements of income or animal numbers. There were also new operators added, and some were farm transfers, so the net loss of operators is much less. The implementation report covers 1,238,254 acres of land.

On-Farm Plan Implementation Reviews and Inspections

MDA conducted 690 plan implementation reviews and inspections in CY20 to verify that farmers' nutrient application records and receipts were in line with their NMPs. The inspections included both on-farm and virtual inspections due to the restrictions placed on in-person reviews because of COVID-19. This is a reduction in reviews from 2019 when 920 reviews were completed. Travel restrictions in March and April prohibited the typical inspection process. The program adopted a plan for virtual reviews and a transition to virtual reviews has been successful, but slow to be accepted early on. For those unable to provide records and plans electronically, farm visits resumed in the summer with a no-contact policy in effect. It is anticipated the program will continue implementation reviews indefinitely using a mix of both virtual and in-person reviews. There are a large number of farm operations in Maryland that do not have access to computers or the Internet, which may pose a challenge as the program moves toward electronic submission of AIRs in January 2021, and if virtual reviews are found to be an efficient method of review. Approximately 64% of those inspected were fully in compliance, 30% were determined to be out of compliance due to having no plan, an expired plan or incomplete plan. 2% failed their inspections due to over application of nutrients and 3% failed due to inadequate records or nutrient application setback violations. MDA is working to bring these farmers into compliance.

Production and Utilization of Animal Manures, Including Import and Export

The following information is provided to meet the new AIR reporting requirements outlined below. The data is provided in three attachments and was compiled using the most recent complete AIR data which is for the CY19.

(c) (1) Beginning in 2020, the report required under this section shall include information on the production and use of animal manure by

farm operations covered by NMPs during the previous year, including:

- (i) The amount of animal manure exported by farm operations to alternative use facilities or other farm operations in the State;
- (ii) The amount of animal manure exported out of the State by farm operations; and
- (iii) The amount of animal manure land applied by farm operations in the State and the source of that manure.
- (2) The information required under this subsection shall be reported:
- (i) By geographic area, including by county or local watershed; and
- (ii) In a manner that protects the identity of individual farm operation.

Attachment 1- Manure Land Application in Maryland

Attachment 2- Manure Sent to Alternative Use / Manure Broker / Other Farm Operation

Attachment 3- Manure Exported Out of State

Attachment 1

2019 - Manure Land Application In Maryland

		(On Farm Gei	nerated Manure			Imported	d Manure		To	tal Land Appl	lication of Manur	e
unt	Type of Manure	Tons	Acres	Gallons	Acres	Tons	Acres	Gallons	Acres	Tons	Acres	Gallons	Acres
egany													
LBUILY													
	Beef	2,431.0	689.5	0.0	0.0	0.0	0.0	0.0	0.0	2,431.0	689.5	0.0	0.
	Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Horse	17.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	2.0	0.0	0.
	Poultry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Sheep	42.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	42.0	18.5	0.0	0.
	Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Other Animal Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Anne Ar<u>undel</u>

. a.i.a.c.i												
Beef	593.5	212.6	0.0	0.0	0.0	0.0	0.0	0.0	593.5	212.6	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	125.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0	15.0	0.0	0.0
Horse	1,467.4	418.7	55.0	12.0	30.0	0.0	0.0	0.0	1,497.4	418.7	55.0	12.0
Poultry	0.0	0.0	0.0	0.0	818.0	431.0	0.0	0.0	818.0	431.0	0.0	0.0
Sheep	0.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Other												
Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Baltimore

JI C												
Beef	4,778.0	724.8	0.0	0.0	85.0	8.0	0.0	0.0	4,863.0	732.8	0.0	0.0
Compost	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0
Dairy	5,469.0	671.5	5,955,245.0	673.4	0.0	0.0	0.0	0.0	5,469.0	671.5	5,955,245.0	673.4
Horse	1,635.4	640.8	0.0	0.0	99.0	60.0	0.0	0.0	1,734.4	700.8	0.0	0.0
Poultry	1,805.9	831.9	0.0	0.0	3,240.0	691.0	0.0	0.0	5,045.9	1,522.9	0.0	0.0
Sheep	37.0	34.9	0.0	0.0	0.0	0.0	0.0	0.0	37.0	34.9	0.0	0.0
Swine	305.2	34.5	409,988.2	136.1	0.0	0.0	0.0	0.0	305.2	34.5	409,988.2	136.1
Other Animal			,								·	
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Calve rt

Beef	800.5	133.1	0.0	0.0	0.0	0.0	0.0	0.0	800.5	133.1	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	142.1	60.3	0.0	0.0	0.0	0.0	0.0	0.0	142.1	60.3	0.0	0.0
Poultry	0.1	1.0	0.0	0.0	749.0	262.0	0.0	0.0	749.1	263.0	0.0	0.0
Sheep	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Caroline

ie												
Beef	621.0	107.0	2,740.0	415.0	0.0	0.0	0.0	0.0	621.0	107.0	2,740.0	415.0
Compost	5,225.1	1,423. 7	0.0	0.0	4,625.0	1,455.0	580.0	145.0	9,850.1	2,878.7	580.0	145.0
Dairy	7,625.0	372.0	8,485,500.0	615.5	0.0	0.0	0.0	0.0	7,625.0	372.0	8,485,500.0	615.5
Horse	201.0	270.2	0.0	0.0	97.0	13.0	0.0	0.0	298.0	283.2	0.0	0.0
Poultry	19,705.1	11,690 .5	0.0	0.0	35,198. 0	22,488. 0	0.0	0.0	54,903. 1	34,178. 5	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	12.0	27.0	20,000.0	0.0	0.0	0.0	0.0	0.0	12.0	27.0	20,000.0	0.0
Other Animal			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								-,,	
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Carrol I

		3,828.							18,853.			
Beef	18,797.9	3	737,200.0	227.0	56.0	10.0	0.0	0.0	9	3,838.3	737,200.0	227.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		3,449.	32,976,674.	4,382.			3,168,000.		33,375.		36,144,674.	5,059.
Dairy	31,683.5	6	0	0	1,692.0	164.0	0	677.0	5	3,613.6	0	0
Horse	1,275.4	362.4	0.0	0.0	60.0	37.0	0.0	0.0	1,335.4	399.4	0.0	0.0
					16,547.				16,549.			
Poultry	2.0	15.2	0.0	0.0	0	6,840.0	0.0	0.0	0	6,855.2	0.0	0.0
Sheep	80.5	86.1	0.0	0.0	0.0	0.0	0.0	0.0	80.5	86.1	0.0	0.0
Swine	83.4	77.4	303,200.0	83.0	0.0	0.0	750,000.0	188.0	83.4	77.4	1,053,200.0	271.0
Other												
Animal												
Manure	61.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	61.0	22.2	0.0	0.0

Cecil

Beef	3,550.5	470.4	233,210.0	33.0	0.0	0.0	0.0	0.0	3,550.5	470.4	233,210.0	33.0
Compost	180.0	24.3	0.0	0.0	600.0	78.0	0.0	0.0	780.0	102.3	0.0	0.0
Dairy	10,777.6	880.2	25,493,307. 0	2,148. 7	247.0	50.0	7,340,000. 0	652.0	11,024. 6	930.2	32,833,307. 0	2,800. 7
Horse	1,366.8	216.0	0.0	0.0	2,805.0	0.4	0.0	0.0	4,171.8	216.4	0.0	0.0
Poultry	1,025.8	347.8	0.0	0.0	6,996.0	2,970.0	0.0	0.0	8,021.8	3,317.8	0.0	0.0
Sheep	4.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	7.0	0.0	0.0
Swine	306.0	65.0	701,820.0	53.0	0.0	0.0	362,000.0	94.0	306.0	65.0	1,063,820.0	147.0
Other Animal			,				·					
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Charles

s												
Beef	232.5	55.6	0.0	0.0	0.0	0.0	0.0	0.0	232.5	55.6	0.0	0.0
Compost	0.0	0.0	0.0	0.0	25.0	3.0	0.0	0.0	25.0	3.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	368.7	83.1	0.0	0.0	0.0	0.0	0.0	0.0	368.7	83.1	0.0	0.0
Poultry	1.0	19.0	0.0	0.0	127.0	210.0	0.0	0.0	128.0	229.0	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal						5.0						
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Dorches<u>ter</u>

ster												
Beef	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	3.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.0	0.0	0.0
Dlb	15.054.0	5,942.	0.0	0.0	27,001.	13,141.	0.0	0.0	43,065.	19,083. 8	0.0	0.0
Poultry	16,064.0	8	0.0	0.0	0	0	0.0	0.0	0	8	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	12,000.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	12,000.0	6.5
Other												
Animal Manure	193.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	193.0	9.1	0.0	0.0

Frederick

ICK												
		3,896.							20,369.			1,074.
Beef	20,369.0	8	6,954,404.0	990.0	0.0	0.0	840,000.0	84.0	0	3,896.8	7,794,404.0	0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		6,115.	84,016,228.	14,450			5,083,478.	2,969.	51,153.		89,099,706.	17,419
Dairy	42,406.0	1	0	.5	8,747.0	955.0	0	0	0	7,070.1	0	.5
Horse	2,706.2	820.1	0.0	0.0	2,400.0	156.0	0.0	0.0	5,106.2	976.1	0.0	0.0
		3,154.							11,698.			
Poultry	5,309.4	1	0.0	0.0	6,389.0	2,656.0	0.0	0.0	4	5,810.1	0.0	0.0
Sheep	118.5	45.7	0.0	0.0	0.0	0.0	0.0	0.0	118.5	45.7	0.0	0.0
Swine	689.0	101.7	512,000.0	224.0	0.0	0.0	0.0	0.0	689.0	101.7	512,000.0	224.0

Other												
Animal												
Manure	249.6	117.0	0.0	0.0	0.0	0.0	0.0	0.0	249.6	117.0	0.0	0.0

Garre tt

		3,638.							44,868.			
Beef	44,868.0	5	506,232.0	188.9	0.0	0.0	0.0	0.0	0	3,638.5	506,232.0	188.9
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1,439.	10,116,601.	2,795.							10,964,601.	3,002.
Dairy	9,486.0	1	0	0	0.0	0.0	848,000.0	207.0	9,486.0	1,439.1	0	0
Horse	163.0	254.0	0.0	0.0	60.0	6.0	0.0	0.0	223.0	260.0	0.0	0.0
Poultry	218.0	111.0	0.0	0.0	3,248.0	1,497.0	0.0	0.0	3,466.0	1,608.0	0.0	0.0
Sheep	88.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	88.0	11.7	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other												
Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Harford

d b												
Beef	7.820.3	1,224. 3	1,000,063.0	310.0	0.0	0.0	0.0	0.0	7.820.3	1,224.3	1,000,063.0	310.0
	.,,===:	_	_,	0_00					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-,		0_00
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			13,658,977.	1,959.							13,658,977.	1,959.
Dairy	8,745.0	950.0	0	5	0.0	0.0	0.0	0.0	8,745.0	950.0	0	5
Horse	1,534.4	411.9	0.0	0.0	0.0	0.0	0.0	0.0	1,534.4	411.9	0.0	0.0
		1,523.							15,180.			
Poultry	6,161.0	4	0.0	0.0	9,019.0	2,550.0	0.0	0.0	0	4,073.4	0.0	0.0
Sheep	100.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	16.1	0.0	0.0
Swine	90.0	12.0	0.0	0.0	50.0	10.0	0.0	0.0	140.0	22.0	0.0	0.0
Other												
Animal												
Manure	44.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	44.2	5.5	0.0	0.0

Howard

d												
Beef	2,286.5	847.3	0.0	0.0	58.0	15.0	0.0	0.0	2,344.5	862.3	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	1,758.0	186.4	2,068,271.0	251.9	125.0	12.0	0.0	0.0	1,883.0	198.4	2,068,271.0	251.9
Horse	114.8	113.9	0.0	0.0	0.0	0.0	0.0	0.0	114.8	113.9	0.0	0.0
Poultry	0.0	0.0	0.0	0.0	752.0	408.0	0.0	0.0	752.0	408.0	0.0	0.0
Sheep	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0
Swine	50.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	100.0	0.0	0.0
Other Animal		74.0										
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Kent

Beef	694.0	164.8	200,000.0	40.0	457.0	65.0	0.0	0.0	1,151.0	229.8	200,000.0	40.0
									2,202.0			
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1,855.	72,668,542.	3,895.					24,011.		73,311,742.	4,070.
Dairy	24,011.6	2	0	1	0.0	0.0	643,200.0	175.0	6	1,855.2	0	1
Horse	135.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	135.0	23.0	0.0	0.0
		1,670.			37,021.	16,331.			77,625.	18,001.		
Poultry	4,604.9	3	0.0	0.0	0	0	0.0	0.0	9	3	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Swine	0.0	0.0	4,750,617.0	400.0	0.0	0.0	0.0	0.0	0.0	0.0	4,750,617.0	400.0
Other												
Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Montgomery

o												
Beef	1,414.7	404.7	0.0	0.0	0.0	0.0	0.0	0.0	1,414.7	404.7	0.0	0.0
Compost	0.0	0.0	0.0	0.0	82.0	6.0	0.0	0.0	82.0	6.0	0.0	0.0
Dairy	410.0	67.5	1,170,000.0	160.0	0.0	0.0	0.0	0.0	410.0	67.5	1,170,000.0	160.0
Horse	2,951.2	622.5	0.0	0.0	20.0	10.0	0.0	0.0	2,971.2	632.5	0.0	0.0
Poultry	2.9	5.1	0.0	0.0	87.0	93.0	0.0	0.0	89.9	98.1	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	14.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	14.0	37.5	0.0	0.0
Other Animal												
Manure	168.0	1.5	6,300.0	80.0	0.0	0.0	0.0	0.0	168.0	1.5	6,300.0	80.0

Prince George's

George's												
Beef	81.0	62.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0	62.0	0.0	0.0
Compost	301.5	61.0	0.0	0.0	0.0	0.0	0.0	0.0	301.5	61.0	0.0	0.0
Dairy	0.0	0.0	1,604,000.0	320.1	0.0	0.0	0.0	0.0	0.0	0.0	1,604,000.0	320.1
Horse	394.5	127.8	0.0	0.0	0.0	0.0	0.0	0.0	394.5	127.8	0.0	0.0
Poultry	4.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.0	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Queen Anne's

Anne s												
Beef	1,856.0	621.4	0.0	0.0	236.0	60.0	0.0	0.0	2,092.0	681.4	0.0	0.0
Compost	0.0	0.0	0.0	0.0	1,720.0	86.0	0.0	0.0	1,720.0	86.0	0.0	0.0
Dairy	5,047.0	538.1	10,203,197. 0	1,289. 7	0.0	0.0	540,000.0	90.0	5,047.0	538.1	10,743,197.	1,379.
	,						,		,			0.0
Horse	427.2	2,238.	0.0	0.0	0.0 43,529.	0.0 20,068.	0.0	0.0	427.2 48,266.	141.2 22,306.	0.0	0.0
Poultry	4,737.0	4	0.0	0.0	0	5	0.0	0.0	0	9	0.0	0.0
Sheep	12.5	10.4	0.0	0.0	0.0	0.0	0.0	0.0	12.5	10.4	0.0	0.0
Swine	30.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	12.0	0.0	0.0
Other Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

St. Marys

Beef	1,961.0	433.0	0.0	0.0	0.0	0.0	0.0	0.0	1,961.0	433.0	0.0	0.0
Compost	0.0	0.0	0.0	0.0	20.0	7.0	0.0	0.0	20.0	7.0	0.0	0.0
Dairy	662.0	339.0	134,000.0	56.0	0.0	0.0	0.0	0.0	662.0	339.0	134,000.0	56.0

1												
Horse	783.5	256.5	0.0	0.0	128.0	22.0	0.0	0.0	911.5	278.5	0.0	0.0
									10,006.			
Poultry	3,080.9	918.5	0.0	0.0	6,926.0	2,568.0	0.0	0.0	9	3,486.5	0.0	0.0
Sheep	86.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0	43.0	0.0	0.0
Swine	127.0	45.0	40,000.0	20.0	0.0	0.0	0.0	0.0	127.0	45.0	40,000.0	20.0
Other												
Animal												
Manure	12.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	12.0	9.3	0.0	0.0

Somerse<u>t</u>

,,,,												
Beef	515.0	69.8	0.0	0.0	0.0	0.0	0.0	0.0	515.0	69.8	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poultry	4,896.6	2,615. 8	0.0	0.0	6,658.0	3,603.0	0.0	0.0	11,554. 6	6,218.8	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal												
Manure	14.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	14.0	10.1	0.0	0.0

Talbo t

Beef	527.0	121.4	0.0	0.0	0.0	0.0	0.0	0.0	527.0	121.4	0.0	0.0
Compost	0.0	0.0	0.0	0.0	18.0	7.0	0.0	0.0	18.0	7.0	0.0	0.0
Dairy	1,129.0	277.7	1,666,000.0	300.7	96.0	12.0	888,600.0	207.0	1,225.0	289.7	2,554,600.0	507.7
Horse	723.4	122.3	0.0	0.0	17.0	17.0	0.0	0.0	740.4	139.3	0.0	0.0
		2,403.			17,213.	10,490.			21,196.	12,893.		
Poultry	3,983.5	4	0.0	0.0	0	0	0.0	0.0	5	4	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Washington

.6.0												
		2,252.		1,225.					14,074.			1,225.
Beef	13,954.3	9	2,682,000.0	0	120.0	22.0	0.0	0.0	3	2,274.9	2,682,000.0	0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		7,425.	97,546,966.	16,903			3,274,894.		52,699.		100,821,86	17,506
Dairy	51,784.0	1	0	.3	915.0	197.0	0	603.0	0	7,622.1	0.0	.3
Horse	706.0	116.0	0.0	0.0	264.0	37.0	0.0	0.0	970.0	153.0	0.0	0.0
		2,248.							12,549.			
Poultry	4,507.5	0	1,180,000.0	190.0	8,042.0	4,938.0	0.0	0.0	5	7,186.0	1,180,000.0	190.0
Sheep	416.0	123.0	0.0	0.0	0.0	0.0	0.0	0.0	416.0	123.0	0.0	0.0
Swine	539.3	108.0	954,000.0	333.9	30.0	8.0	0.0	0.0	569.3	116.0	954,000.0	333.9
Other												
Animal												
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Wicomico

Beef	85.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	36.0	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	70.0	5.5	0.0	0.0	130.0	34.0	0.0	0.0	200.0	39.5	0.0	0.0
Poultry	3,470.6	1,681. 3	0.0	0.0	6,566.0	4,102.0	0.0	0.0	10,036. 6	5,783.3	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Animal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manure	11.4	11.4	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.4	0.0	0.0

Worcest<u>er</u>

ter												
Beef	38.0	22.3	0.0	0.0	0.0	0.0	0.0	0.0	38.0	22.3	0.0	0.0
Compost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Horse	119.5	90.1	0.0	0.0	0.0	0.0	0.0	0.0	119.5	90.1	0.0	0.0
Poultry	3,507.0	2,100. 0	0.0	0.0	26,313. 0	12,930. 0	0.0	0.0	29,820. 0	15,030. 0	0.0	0.0
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Swine	0.0	0.0	554,000.0	84.0	0.0	0.0	0.0	0.0	0.0	0.0	554,000.0	84.0
Other Animal	0.0	0.0	22.,000.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	22 .,000.0	31.0
Manure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

State Totals

otais												
	128,274.	20,016	12,315,849.	3,428.					129,286	20,196.	13,155,849.	3,512.
Beef	7	.5	0	9	1,012.0	180.0	840,000.0	84.0	.7	5	0	9
		1,513.							12,800.			
Compost	5,710.6	0	0.0	0.0	7,090.0	1,642.0	580.0	145.0	6	3,155.0	580.0	145.0
	201,118.	24,581	367,763,50	50,201	11,822.		21,786,172	5,580.	212,940	25,971.	389,549,68	55,781
Dairy	7	.5	8.0	.4	0	1,390.0	.0	0	.7	5	0.0	.4
		5,165.							23,415.			
Horse	17,305.5	2	55.0	12.0	6,110.0	392.4	0.0	0.0	5	5,557.6	55.0	12.0
	119,087.	39,518			262,439	129,267			381,526	168,786		
Poultry	6	.5	1,180,000.0	190.0	.0	.5	0.0	0.0	.6	.0	1,180,000.0	190.0
Sheep	985.9	398.5	0.0	0.0	0.0	0.0	0.0	0.0	985.9	398.5	0.0	0.0
				1,340.			1,112,000.					1,622.
Swine	2,245.9	620.1	8,257,625.2	5	80.0	18.0	0	282.0	2,325.9	638.1	9,369,625.2	5
Other												
Animal												
Manure	753.2	186.1	6,300.0	80.0	0.0	0.0	0.0	0.0	753.2	186.1	6,300.0	80.0

Attachment 2

2019 Manure Sent to Alternative Use / Manure Broker / Other Farm Operation

		Alternative Use		Manure Broker		Other Farm Operation		Total	
			Gallon		Gallon				
County	Type of Manure	Tons	S	Tons	S	Tons	Gallons	Tons	Gallons

	Beef	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0
Anne Arundel									
	Beef	0.0	0.0	15.0	0.0	0.0	0.0	15.0	0.0
	Horse	16,660. 0	0.0	447.0	0.0	442.0	0.0	17,549.0	0.0
		-	0.0		0.0				
Baltimore									
	Beef	0.0	0.0	0.0	0.0	102.0	0.0	102.0	0.0
		0.406.0	0.0	17,102.	0.0			26.244.4	
	Horse	8,486.0	0.0	1	0.0	756.0	0.0	26,344.1	0.0
	Poultry	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0
	Swine	0.0	0.0	0.0	0.0	93.0	0.0	93.0	0.0
Calman									
Calvert		0.0	0.0	0.0	0.0	22.5	0.0	22.5	0.0
	Horse	0.0	0.0	0.0	0.0	23.5	0.0	23.5	0.0
Caroline									
Caronne	Dairy	0.0	0.0	0.0	0.0	500.0	0.0	500.0	0.0
	Horse	0.0	0.0	0.0	0.0	135.0	0.0	135.0	0.0
	Poultry	420.0	0.0	4,730.0	0.0	25,156.0	0.0	30,306.0	0.0
	1 Outry	420.0	0.0	4,730.0	0.0	23,130.0	0.0	30,300.0	0.0
Carroll									
	Beef	0.0	0.0	0.0	0.0	446.3	0.0	446.3	0.0
	Dairy	0.0	0.0	0.0	0.0	3,031.0	4,618,000.0	3,031.0	4,618,000.0
	Horse	57.0	0.0	572.0	0.0	326.0	0.0	955.0	0.0
	Poultry	0.0	0.0	0.0	0.0	5,966.0	0.0	5,966.0	0.0
	Sheep	0.0	0.0	0.0	0.0	46.0	0.0	46.0	0.0
	Swine	0.0	0.0	0.0	0.0	0.0	1,000,000.0	0.0	1,000,000.0
	5115	3.0	0.0	3.0	0.0	0.0	1,000,000.0	0.0	1,000,000.0

Cecil

Dairy	0.0	0.0	0.0	0.0	0.0	175,000.0	0.0	175,000.0
Horse	626.9	0.0	652.2	0.0	1.5	0.0	1,280.6	0.0
Poultry	0.0	0.0	214.0	0.0	16,689.0	0.0	16,903.0	0.0
Swine	0.0	0.0	0.0	0.0	0.0	819,170.0	0.0	819,170.0

Charles

Beef	0.0	0.0	0.0	0.0	9.0	0.0	9.0	0.0
Horse	28.0	0.0	0.0	0.0	104.8	0.0	132.8	0.0

Dorchester			
	Horse	0.0	0.0
	Poultry	0.0	0.0

Horse	0.0	0.0	0.0	0.0	21.0	0.0	21.0	0.0
Poultry	0.0	0.0	1,125.0	0.0	13,094.4	0.0	14,219.4	0.0

Frederick

Beef	0.0	0.0	0.0	0.0	790.5	500,000.0	790.5	500,000.0
Dairy	0.0	0.0	0.0	0.0	1,554.0	3,042,800.0	1,554.0	3,042,800.0
Horse	809.0	0.0	43.0	0.0	2,068.2	20.0	2,920.2	20.0
Poultry	0.0	0.0	0.0	0.0	1,135.0	0.0	1,135.0	0.0
Swine	0.0	0.0	0.0	0.0	136.0	0.0	136.0	0.0

Garrett

Dairy	0.0	0.0	0.0	0.0	115.0	84,000.0	115.0	84,000.0
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Harford

Beef	0.0	0.0	0.0	0.0	200.0	0.0	200.0	0.0
Horse	669.4	0.0	2,103.3	0.0	464.2	0.0	3,236.9	0.0

Howard

Beef	7.0	0.0	0.0	0.0	58.0	0.0	65.0	0.0
Horse	1,080.2	0.0	832.3	0.0	800.8	0.0	2,713.3	0.0

Kent

Beef	0.0	0.0	0.0	0.0	580.0	0.0	580.0	0.0
Dairy	0.0	0.0	0.0	0.0	1,092.0	1,374,000.0	1,092.0	1,374,000.0
Horse	547.5	0.0	300.0	0.0	24.0	0.0	871.5	0.0
Poultry	0.0	0.0	0.0	0.0	12,306.5	0.0	12,306.5	0.0

Montgomery

Beef	59.0	0.0	0.0	0.0	0.0	0.0	59.0	0.0
Horse	1,655.0	0.0	2,489.1	0.0	1,178.5	0.0	5,322.6	0.0
Swine	0.0	0.0	15.0	0.0	0.0	0.0	15.0	0.0

Prince George's

Compost	0.0	0.0	0.0	0.0	12.0	0.0	12.0	0.0
Dairy	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0
Horse	0.0	0.0	129.0	0.0	133.0	0.0	262.0	0.0
Other Animal Manure	0.0	0.0	0.0	0.0	177.0	0.0	177.0	0.0

Queen Anne's

Beef	0.0	0.0	0.0	0.0	366.0	0.0	366.0	0.0
Dairy	0.0	0.0	0.0	0.0	0.0	600,000.0	0.0	600,000.0
Horse	0.0	0.0	0.0	0.0	70.8	64.0	70.8	64.0

	•								
	Poultry	30.0	0.0	660.0	0.0	25,441.3	0.0	26,131.3	0.0
St. Mary's									
	Beef	50.0	0.0	0.0	0.0	86.0	0.0	136.0	0.0
	Other Animal Manure	0.0	0.0	0.0	0.0	0.0	10,000.0	0.0	10,000.0
Somerset									
	Beef	0.0	0.0	0.0 14,957.	0.0	1,730.7	0.0	1,730.7	0.0
	Poultry	1,400.0	0.0	14,957.	0.0	4,948.4	0.0	21,305.6	0.0
Talbot									
	Dairy	0.0	0.0	0.0	0.0	100.0	889,000.0	100.0	889,000.0
	Horse	26.0	0.0	150.0	0.0	18.0	0.0	194.0	0.0
	Poultry	0.0	0.0	0.0	0.0	2,519.4	0.0	2,519.4	0.0
Washington									
	Beef	0.0	0.0	0.0	0.0	732.0	0.0	732.0	0.0
	Dairy	0.0	0.0	0.0	0.0	2,672.0	3,841,400.0	2,672.0	3,841,400.0
	Horse	0.0	0.0	0.0	0.0	262.3	0.0	262.3	0.0
	Poultry	0.0	0.0	0.0	0.0	176.1	0.0	176.1	0.0
Wicomico									
	Horse	0.0	0.0	23.0	0.0	118.0	0.0	141.0	0.0
	Poultry	821.0	0.0	3,388.6	0.0	6,710.1	175.0	10,919.7	175.0
Worcester	Г								
	Horse	0.0	0.0	0.0 15,862.	0.0	50.0	0.0	50.0	
	Poultry	840.0							0.0
			0.0	6	0.0	17,650.7	0.0	34,353.3	0.0
		'	0.0		0.0	17,650.7	0.0	34,353.3	
State Totals			0.0		0.0	17,650.7	0.0	34,353.3	
State Totals	Beef	116.0	0.0		0.0	17,650.7 5,103.5	500,000.0	34,353.3 5,234.5	
State Totals	Beef Compost			6		·			0.0
State Totals		116.0 0.0 0.0	0.0	15.0 0.0 0.0	0.0	5,103.5	500,000.0	5,234.5	500,000.0
State Totals	Compost	116.0	0.0	15.0 0.0	0.0	5,103.5 12.0	500,000.0	5,234.5 12.0	500,000.0 0.0
State Totals	Compost Dairy	116.0 0.0 0.0 30,645.	0.0 0.0 0.0	15.0 0.0 0.0 24,843.	0.0 0.0 0.0	5,103.5 12.0 9,074.0	500,000.0 0.0 14,624,200.0	5,234.5 12.0 9,074.0	500,000.0 0.0 14,624,200.0
State Totals	Compost Dairy Horse	116.0 0.0 0.0 30,645. 0	0.0 0.0 0.0	15.0 0.0 0.0 24,843. 0 40,937.	0.0 0.0 0.0	5,103.5 12.0 9,074.0 6,997.6	500,000.0 0.0 14,624,200.0 84.0	5,234.5 12.0 9,074.0 62,485.6	500,000.0 0.0 14,624,200.0 84.0
State Totals	Compost Dairy Horse Poultry	116.0 0.0 0.0 30,645. 0	0.0 0.0 0.0 0.0	15.0 0.0 0.0 24,843. 0 40,937.	0.0 0.0 0.0 0.0	5,103.5 12.0 9,074.0 6,997.6 131,793.1	500,000.0 0.0 14,624,200.0 84.0 175.0	5,234.5 12.0 9,074.0 62,485.6 176,241.5	500,000.0 0.0 14,624,200.0 84.0
State Totals	Compost Dairy Horse Poultry Sheep	116.0 0.0 0.0 30,645. 0 3,511.0	0.0 0.0 0.0 0.0 0.0	15.0 0.0 0.0 24,843. 0 40,937. 4	0.0 0.0 0.0 0.0 0.0	5,103.5 12.0 9,074.0 6,997.6 131,793.1 46.0	500,000.0 0.0 14,624,200.0 84.0 175.0 0.0	5,234.5 12.0 9,074.0 62,485.6 176,241.5 46.0	500,000.0 0.0 14,624,200.0 84.0 175.0 0.0

Attachment 3

2019 - Manure Exported Out of State

	T	Pennsy	ylvania I	Dela Gallon	ware	New J	ersey	Virg Gallon	ginia	West Vi	irginia	total (All S	states)
7`1SW	Type of Manure	Gallons	Tons	S	Tons	S	Tons	S	Tons	S	Tons	Gallons	Tons
Allegany				1									
	Horse		284.0										284.0
Baltimore	e T			I					l				
	Horse		1,680.5									0.0	1,680.5
	Swine		10.0									0.0	10.0
Caroline													
	Beef				6.0							0.0	6.0
	Horse				194.4							0.0	194.4
	Poultry				394.0							0.0	394.0
Carroll		I							1				
	Beef		126.6									0.0	126.6
	Horse		164.0									0.0	164.0
Cecil		1 100 510										4 400 540	
	Dairy	1,499,610. 0	326.0									1,499,610. 0	326.0
	Horse		14,261.5		10.0							0.0	14,271. 5
	Poultry				5,140.0		920. 0					0.0	6,060.0
Charle s													
	Horse								4.0			0.0	4.0
Dorchest	er												
	Poultry				2,238.4							0.0	2,238.4
Frederick	t												
	Beef										112. 0	0.0	112.0
Harford													
	Dairy	420,000.0	120.0									420,000.0	120.0
	Horse	420,000.0	1,604.0									0.0	1,604.0
	Poultry		60.0									0.0	60.0

Howard													
	Horse		299.0									0.0	299.0
	,												
Kent													
	Horse				60.0							0.0	60.0
	noise				00.0							0.0	00.0
Montgor	nery												
	Horse		4,297.0						5.0			0.0	4,302.0
Prince Ge	eorge's												
	Horse		37.0									0.0	37.0
Queen A	nne's											1	
	Horse		373.0									0.0	373.0
	Poultry				582.0							0.0	582.0
Somerse	t												
	Poultry		884.0		25,852. 0							0.0	26,736. 0
	· out.ry		55 1.5									0.0	J
T-114													
Talbot													
	Horse		971.0									0.0	971.0
Washing	ton										135.		
Washing	ton Beef	1,812,400.									135. 0	0.0 1,812,400.	135.0
Washing		1,812,400. 0	3,005.0									0.0 1,812,400. 0	135.0 3,005.0
Washing	Beef		3,005.0 75.0									1,812,400.	
Washing	Beef Dairy											1,812,400. 0	3,005.0
Washing	Beef Dairy Horse		75.0									1,812,400. 0	3,005.0 75.0
Washing	Beef Dairy Horse Poultry	0	75.0 330.0									1,812,400. 0 0.0	3,005.0 75.0 330.0
Washing	Beef Dairy Horse Poultry Swine	0	75.0 330.0									1,812,400. 0 0.0	3,005.0 75.0 330.0
	Beef Dairy Horse Poultry Swine	0	75.0 330.0		33,544.							1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0
	Beef Dairy Horse Poultry Swine	0	75.0 330.0		33,544. 7							1,812,400. 0 0.0	3,005.0 75.0 330.0 48.0
Wicomic	Beef Dairy Horse Poultry Swine	0	75.0 330.0									1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0
	Beef Dairy Horse Poultry Swine Poultry	0	75.0 330.0 48.0		23,819.				2,986.			1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine	0	75.0 330.0		7				2,986.			1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry	0	75.0 330.0 48.0		23,819.							1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry	180,000.0	75.0 330.0 48.0		23,819. 6				0		247.	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry	0	75.0 330.0 48.0	0.0	23,819.	0.0	0.0	0.0		0.0	0	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry	180,000.0	75.0 330.0 48.0	0.0	23,819. 6	0.0	0.0	0.0	0	0.0	247.	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry Beef Beef	0 180,000.0	75.0 330.0 48.0 264.0		23,819. 6 6.0 0.0		0.0		0.0		247.	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry Beef Dairy	0 180,000.0 0.0 3,732,010.	75.0 330.0 48.0 264.0	0.0	23,819. 6	0.0	0.0	0.0	0.0	0.0	247. 0	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry Beef Dairy Horse	0 180,000.0 0 0.0 3,732,010. 0	75.0 330.0 48.0 264.0 126.6 3,451.0 24,046.0	0.0	23,819. 6 6.0 0.0 264.4 91,570.	0.0	0.0 0.0 920.	0.0	0.0 0.0 9.0 2,986. 0	0.0	247. 0 0.0 0.0	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7
Wicomic	Beef Dairy Horse Poultry Swine Poultry Poultry Beef Dairy Horse Poultry	0 180,000.0 0.0 3,732,010. 0	75.0 330.0 48.0 264.0 126.6 3,451.0 24,046.0 1,538.0	0.0	23,819. 6 6.0 0.0 264.4 91,570.	0.0	0.0 0.0 920. 0	0.0	0.0 0.0 9.0 2,986. 0	0.0	247. 0 0.0 0.0	1,812,400. 0 0.0 0.0 180,000.0	3,005.0 75.0 330.0 48.0 33,544. 7

Out of State - Total Gallons 0

Out of State - Total Tons 125,222.7