



## The Impact of Resource Based Industries on the Maryland Economy with a Focus on Food, Feed and Fiber Production and Processing

BEACON, the Business Economic and Community Outreach Network at Salisbury University, with the support of the Maryland Agricultural and Resource-Based Industries Development Corporation (MARBIDCO), conducted an economic impact study to measure the importance of resource based industries (RBI) to the State of Maryland.

Of the resource based industries, the Food, Feed, and Fiber production industries (which includes agriculture, forestry, seafood, aquaculture and horticulture) accounted for \$19.6 billion in economic activity, 83,619 supported jobs, and over \$753 million in State and local tax revenue. This does not necessarily include up to an additional \$1.08 billion of economic impact of the equine industry.

A further break-down of the Food, Feed and Fiber production industries showed Agriculture (including agricultural-reliant “support industries”) contributed \$15.8 billion to the State’s economy (80.54% of Food/Feed/Fiber total), supported 65,007 jobs (77.74% of Food/Feed/Fiber total), and over \$605 million in State and local tax revenue (80.41% of Food/Feed/Fiber total). Please note that Equine was not included with the Agriculture sector when the initial study was conducted. However, as noted before the Equine industries (excluding racetrack operations and gambling) contributed over \$1 billion to the State economy, supported 8,002 jobs, and nearly \$65 million in State and local tax revenue.

Furthermore, Forestry contributed nearly \$3.5 billion to the State’s economy (17.66% of Food/Feed/Fiber total), supported 15,271 jobs (18.26% of Food/Feed/Fiber total), and nearly \$133 million in State and local tax revenue (17.61% of Food/Feed/Fiber total).

Seafood and Aquaculture contributed nearly \$355 million to the State’s economy (1.81% of Food/Feed/Fiber total), supported 3,341 jobs (4% of Food/Feed/Fiber total), and nearly \$15 million in State and local tax revenue (1.97% of Food/Feed/Fiber total). Please note, the Seafood and Aquaculture industry has a growing number of animal producers; and that it is believed that much of the aquaculture activity, such as finfish farming and shellfish farming, were captured under the Agriculture sector “animal production” when analyzed for economic impact.

<b>Food, Feed and Fiber Industries</b>	<b>Economy Contribution (\$)</b>	<b>% of total</b>	<b>Jobs Supported</b>	<b>% of total</b>	<b>State &amp; Local Tax Revenue (\$)</b>	<b>% of total</b>
Agriculture (including Agricultural-Reliant industries)	\$ 15,803,760,043	80.54%	65,007	77.74%	\$ 605,026,172	80.41%
Equine (no included in Agriculture, and excludes racetrack operations and gambling)	\$ 1,079,497,270		8,002		\$ 64,611,710	
Forestry	\$ 3,464,676,951	17.66%	15,271	18.26%	\$ 132,532,333	17.61%
Seafood & Aquaculture	\$ 354,856,812	1.81%	3,341	4.00%	\$ 14,837,463	1.97%
<b>FOOD/FEED/FIBER TOTAL</b>	<b>\$ 19,623,293,806</b>	<b>100.00%</b>	<b>83,619</b>	<b>100.00%</b>	<b>\$ 752,395,968</b>	<b>100.00%</b>

NOTE: Equine was not included in Agriculture Industry sector analysis. The equine analysis excludes racetrack operations and gambling.

In addition, the impact of Food, Feed and Fiber industries on the Maryland Economy was analyzed in the report not only at a State level, but also at the regional level too (i.e. Western Maryland, Central Maryland, Southern Maryland, and the Eastern Shore of Maryland).

In summary,

- Western Maryland contributed \$3.8 billion to the State economy (19.4% of Food/Feed/Fiber total);
- Central Maryland contributed \$8.5 billion to the State economy (43.4% of Food/Feed/Fiber total);
- Southern Maryland contributed over \$1.7 billion to the State economy (8.8% of Food/Feed/Fiber total); and
- The Eastern Shore of Maryland contributed nearly \$5.6 billion to the State economy (28.5% of Food/Feed/Fiber total).

<u>Industry Sectors</u>	<u>Economy Contribution</u>		<u>Jobs Supported</u>		<u>State &amp; Local Tax Revenue</u>	
	<i>Economic Impact: Output</i>		<i>Economic Impact: Employment</i>		<i>Economic Impact: State &amp; Local Tax</i>	
<b>FOOD/FEED/FIBER (excludes Equine)</b>						
<b>including Agriculture, Forestry, Horticulture, Seafood and Aquaculture</b>						
<b>State of Maryland</b>	<b>\$ 19,623,293,806</b>	<b>100.0%</b>	<b>83,619</b>	<b>100.0%</b>	<b>\$ 752,395,968</b>	<b>100.0%</b>
<i>Western Maryland</i>	<i>\$ 3,808,044,889</i>	<i>19.4%</i>	<i>18,479</i>	<i>22.1%</i>	<i>\$ 151,826,667</i>	<i>20.2%</i>
<i>Central Maryland</i>	<i>\$ 8,508,227,013</i>	<i>43.4%</i>	<i>29,343</i>	<i>35.1%</i>	<i>\$ 314,128,897</i>	<i>41.8%</i>
<i>Southern Maryland</i>	<i>\$ 1,721,130,312</i>	<i>8.8%</i>	<i>11,725</i>	<i>14.0%</i>	<i>\$ 101,649,201</i>	<i>13.5%</i>
<i>Eastern Shore of Maryland</i>	<i>\$ 5,585,891,594</i>	<i>28.5%</i>	<i>24,073</i>	<i>28.8%</i>	<i>\$ 184,791,205</i>	<i>24.6%</i>
<b>Agriculture - Total Ag Impact*</b>						
<b>State of Maryland</b>	<b>\$ 15,803,760,043</b>	<b>100.0%</b>	<b>65,007</b>	<b>100.0%</b>	<b>\$ 605,026,172</b>	<b>100.0%</b>
<i>Western Maryland</i>	<i>\$ 2,582,494,059</i>	<i>16.3%</i>	<i>13,166</i>	<i>20.3%</i>	<i>\$ 105,719,485</i>	<i>17.5%</i>
<i>Central Maryland</i>	<i>\$ 7,698,584,552</i>	<i>48.7%</i>	<i>25,946</i>	<i>39.9%</i>	<i>\$ 285,082,318</i>	<i>47.1%</i>
<i>Southern Maryland</i>	<i>\$ 1,085,424,213</i>	<i>6.9%</i>	<i>7,292</i>	<i>11.2%</i>	<i>\$ 68,660,167</i>	<i>11.3%</i>
<i>Eastern Shore of Maryland</i>	<i>\$ 4,437,257,220</i>	<i>28.1%</i>	<i>18,604</i>	<i>28.6%</i>	<i>\$ 145,564,204</i>	<i>24.1%</i>
<b>Equine (estimated)</b>	<b>\$ 1,079,497,270</b>		<b>8,002</b>		<b>\$ 64,611,710</b>	
<b>Forestry</b>						
<b>State of Maryland</b>	<b>\$ 3,464,676,951</b>	<b>100.0%</b>	<b>15,271</b>	<b>100.0%</b>	<b>\$ 132,532,333</b>	<b>100.0%</b>
<i>Western Maryland</i>	<i>\$ 1,225,550,830</i>	<i>35.4%</i>	<i>5,313</i>	<i>34.8%</i>	<i>\$ 46,107,182</i>	<i>34.8%</i>
<i>Central Maryland</i>	<i>\$ 798,418,195</i>	<i>23.0%</i>	<i>3,294</i>	<i>21.6%</i>	<i>\$ 28,590,378</i>	<i>21.6%</i>
<i>Southern Maryland</i>	<i>\$ 585,128,356</i>	<i>16.9%</i>	<i>3,139</i>	<i>20.6%</i>	<i>\$ 27,240,152</i>	<i>20.6%</i>
<i>Eastern Shore of Maryland</i>	<i>\$ 855,579,570</i>	<i>24.7%</i>	<i>3,525</i>	<i>23.1%</i>	<i>\$ 30,594,621</i>	<i>23.1%</i>
<b>Seafood &amp; Aquaculture**</b>						
<b>State of Maryland</b>	<b>\$ 354,856,812</b>	<b>100.0%</b>	<b>3,341</b>	<b>100.0%</b>	<b>\$ 14,837,463</b>	<b>100.0%</b>
<i>Western Maryland</i>	<i>\$ -</i>	<i>0.0%</i>	<i>-</i>	<i>0.0%</i>	<i>\$ -</i>	<i>0.0%</i>
<i>Central Maryland</i>	<i>\$ 11,224,266</i>	<i>3.2%</i>	<i>103</i>	<i>3.1%</i>	<i>\$ 456,201</i>	<i>3.1%</i>
<i>Southern Maryland</i>	<i>\$ 50,577,743</i>	<i>14.3%</i>	<i>1,294</i>	<i>38.7%</i>	<i>\$ 5,748,882</i>	<i>38.7%</i>
<i>Eastern Shore of Maryland</i>	<i>\$ 293,054,804</i>	<i>82.6%</i>	<i>1,944</i>	<i>58.2%</i>	<i>\$ 8,632,380</i>	<i>58.2%</i>

\*Total Ag Impact includes the following industry sectors: Agriculture and Agricultural-Reliant/Supporting Industries of Agriculture.

\*\*Seafood & Aquaculture does not include Finfish Farming and Fish Hatcheries; Shellfish Farming; and Other Seafood and Aquaculture. Therefore, these industries were more appropriately included in the Agricultural impact models.

NOTE: Equine was not necessarily included in Agriculture Industry sector analysis. The equine analysis excludes racetrack operations and gambling.