

# Mexico Transport Cost Indicator Report

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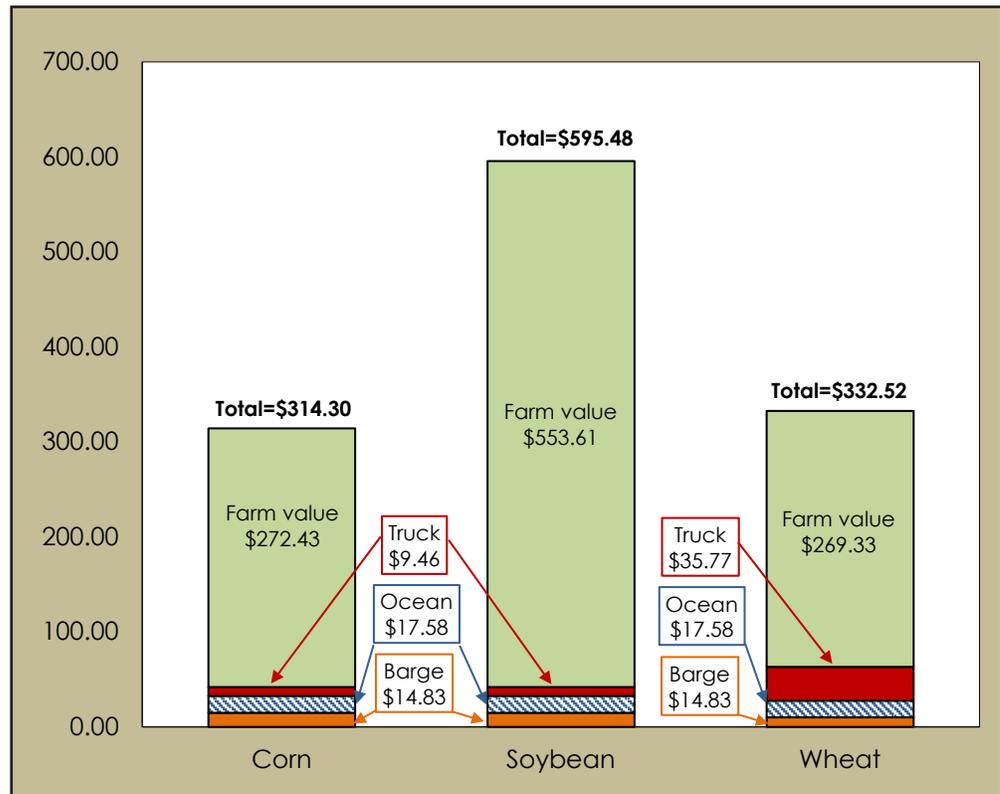
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**Grain and Soybeans.** Despite moderate transportation costs, Mexico imported less grain and soybeans than last year from the United States during the second quarter of 2013. Between April and June, Mexico imported 1.2 million metric tons (mmt) of corn, 0.72 mmt of wheat, and 0.53 mmt of soybeans—60, 24, and 43 percent less than during the same period last year (Global Agricultural Trade System). This is a continuation of the trend that began during the first quarter, possibly due to high international grain prices and tight U.S. grain stocks ([GTR, dated 06/27/13](#)). The expectation that Mexico's domestic 2013/14 grain production would increase due to favorable growing conditions ([FAS GAIN Report #: MX3024](#)) could have also contributed to Mexico's declining imports of U.S. grains. However, the Foreign Agricultural Service (FAS) has revised downward its initial forecast of the 2013/14 Mexican grain crop, indicating a possible rebound in imports of U.S. grains in the subsequent quarters.

The transportation costs of transporting U.S. corn and soybeans to Mexico by sea and land during the second quarter can be seen in the table 1. The transportation cost of seaborne corn and soybeans fell by 5 percent; the cost of transporting corn and soybeans by land remained unchanged from the previous quarter. Except for seaborne Kansas wheat, trucking, ocean, and barge rates all fell during the quarter. Increased trucking rates for Kansas wheat moving from farms to distant river elevators more than offset the decreases in ocean and barge rates, causing the overall transportation cost for seaborne Kansas wheat to increase by 13 percent. Similarly, an increase in the rail rate more than offset

**Figure 1. Water route shipment costs to Veracruz, Mexico**

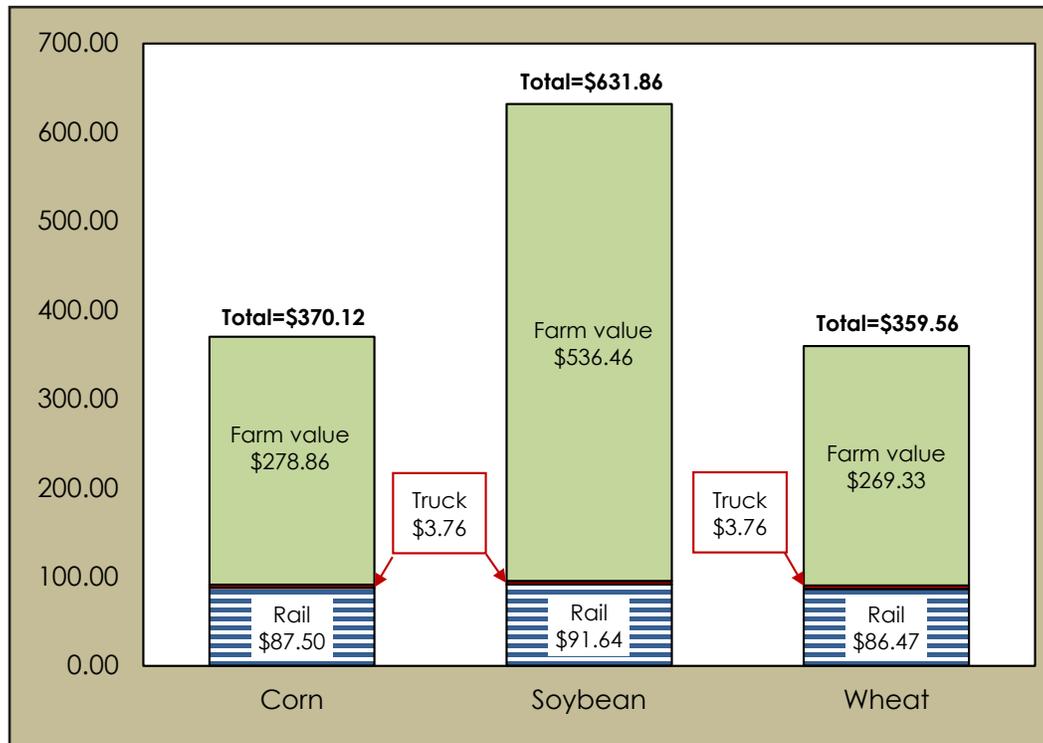


Source: USDA Agricultural Marketing Service



the reduction in trucking rates for the land route, causing the overall transportation cost to increase by 3 percent. In general, quarter-to-quarter farm prices decreased for corn and wheat, but increased slightly for soybeans. The transportation share of the landed cost decreased for seaborne corn and soybeans and increased for wheat. For the land route, the transportation share of the landed cost remained unchanged for corn and soybeans, but increased slightly for wheat. The landed cost for seaborne grain ranged from \$314.30 to \$595.48 per mt (figure 1), and \$359.56 to \$631.86 per mt for grain transported via the land route (figure 2).

**Figure 2. Land route shipment costs to Guadalajara, Mexico**



Source: USDA Agricultural Marketing Service

## Market Outlook

Contrary to the initial FAS outlook, drought conditions in several of Mexico's growing regions and extremely low water levels in the country's northern reservoirs are expected to reduce Mexico's grain production ([FAS GAIN Report #: MX3059](#)). FAS has revised downward its official production estimate for Mexico's corn and wheat for the marketing year 2013/14 to 21.9 mmt and 3.4 mmt, respectively. Production was revised downward due to the expected decline in planted areas caused by low water levels in the country's reservoirs. As of June 23, the 11 water reservoirs in Sinaloa, the largest corn-producing State, contained only 1,567.7 million cubic meters—just 10.2 percent of total capacity and close to 25 percent less than the same period a year earlier. If the low water conditions persists, it is likely that the corn planted area during the upcoming 2013/14 fall/winter cycle may be at least 20 percent below the average planted area of the last few years: 1.13 million hectares ([FAS GAIN Report #: MX3059](#)). Wheat production was adjusted downward because of the freeze that occurred on March 3 and 4 that reduced production in the states of Guanajuato and Michoacán. Due to expected lower production levels, FAS has revised upward Mexico's corn and wheat imports from its initial estimate to 7.6 mmt and 4 mmt, respectively. For MY 2013/14, soybean imports are forecast at 3.45 mmt, a 4.5 percent increase from the MY 2012/13 estimate ([FAS GAIN Report #: MX3036](#)). Strong soybean imports are fueled by growing demand from the domestic poultry and pork sectors, as well as by population growth. Moderate transportation costs are essential for enhancing the competitiveness of U.S. grain exports to Mexico.



- **Rail Rates and Volume.** High U.S. grain prices and limited grain supplies resulted in decreased rail shipments of grain to Mexico. During the first 6 months of 2013, railroads transported 35,941 carloads of grain and oilseeds to Mexico, down 44 percent from the same period in 2012 and 40 percent from the 3-year average. Carloads of grain transported to Mexico during the 2nd quarter increased 5 percent from the 1st quarter. Overall rail transportation costs (tariff rates plus fuel surcharges) remained almost the same as the 1st quarter 2013 and the 2nd quarter 2012. Tariff rail rates per grain car were stable at \$6,723, down 0.4 percent from the 1st quarter, but up 0.4 percent from the 2nd quarter 2012. Fuel surcharges per railcar, at \$670, were up 5.4 percent from the 1st quarter, but down 3.9 percent from the 2nd quarter 2012.
- **Ocean Freight Rates:** Ocean freight rates for shipping bulk grains to Mexico decreased slightly during the second quarter from the same period a year ago and from the 4-year averages. The cost of shipping a metric ton (mt) of grain from the U.S. Gulf to Veracruz, Mexico in a 25,000-ton-capacity vessel averaged \$19.59 per mt during the quarter—3 percent less than the previous quarter, and 6 percent less than the same period last year and the 4-year averages, respectively. The cost of shipping in a 35–40,000-ton-capacity vessel averaged \$17.58 per mt—2 percent less than the previous quarter, 6 and 9 percent less than the same period last year and the 4-year average, respectively. Ocean rates for shipping bulk grains continued to decline due to excess vessel supply and weak global freight demand (see [GTR](#), dated 07/25/13).

## Fruit and Vegetables

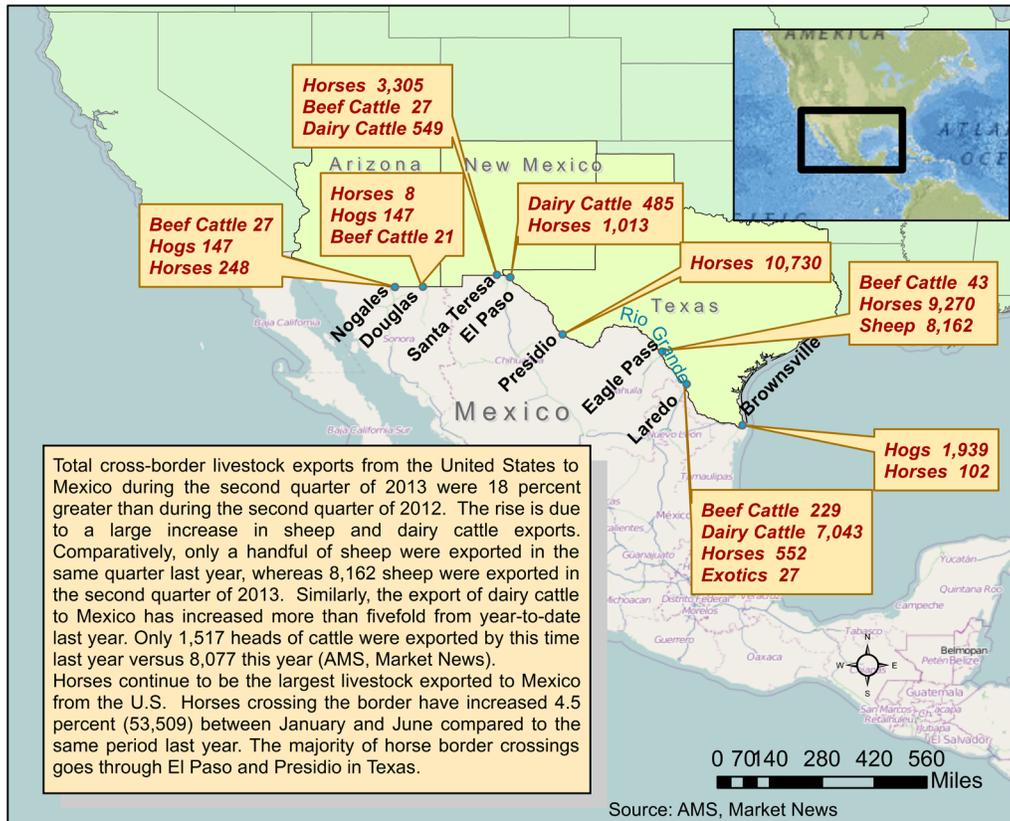
Total fruit and vegetable shipments from Mexico increased 9 percent from the same quarter in 2012. All the top five commodities—seedless watermelons, tomatoes, plum tomatoes, mangoes, and cucumbers—increased from the same quarter last year. In addition to shipments from Florida and California, shipments of Mexican tomatoes helped drive down domestic tomato prices in June. Truck shipments of Mexican avocados to U.S. markets reached a record 132,000 tons in the 2nd quarter of 2013. It was the largest amount of avocados ever shipped from Mexico to the U.S. during the 2nd quarter, up 33 percent from the 2nd quarter of 2012. However, this was down from 195,000 tons in the 1st quarter of 2013, which was the largest shipment of avocados ever during a single quarter.

Truck rates for shipments between 501 and 1,500 miles through the Texas border crossings averaged \$2.31 per mile, 7 percent higher than last quarter. Rates for shipments between 501 and 1,500 miles through the Arizona border crossings averaged \$2.59 per mile, 11 percent higher than last quarter. Diesel fuel prices for border crossings through Texas averaged \$3.77 per gallon, 5 percent less than the previous quarter, and 2 percent less than the same period last year. Diesel fuel prices for border crossings through Arizona averaged \$3.90 per gallon, 4 percent less than the previous quarter, and 5 percent less than the same period last year. Trucking availability in April began at a slight shortage through Texas and adequate through Arizona but decreased in availability to a shortage in late May and early June. Both ended the quarter with adequate availability.



## Livestock

Figure 3. Total livestock border crossing to Mexico during 2nd quarter 2013





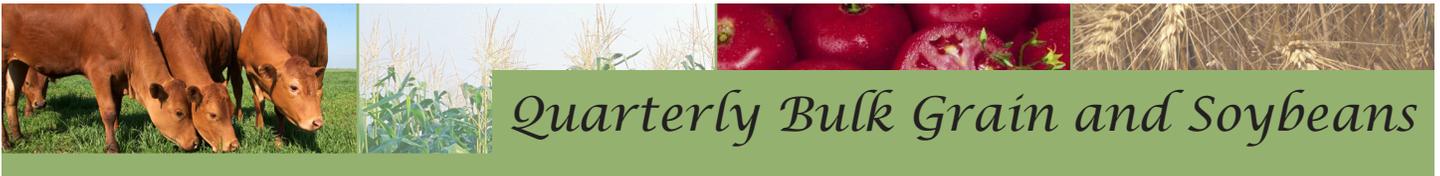
**Table 1. Quarterly costs of transporting U.S. grain and soybeans to Mexico**

-----2013-----										
	Water route (to Veracruz)					Land route (to Guadalajara)				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
US\$/metric ton										
Corn										
Origin	IL					IA				
Truck	10.98	9.46			10.22	4.16	3.76			3.96
Rail <sup>1</sup>						87.05	87.50			87.28
Ocean <sup>2</sup>	17.89	17.58			17.74					
Barge	15.27	14.83			15.05					
Total transportation cost	44.14	41.87			50.96	91.21	91.26			91.24
Farm price	276.23	272.43			274.33	278.07	278.86			278.47
Landed cost	320.37	314.30			317.34	369.28	370.12			369.70
Transport % of landed cost	13.8	13.3			13.5	24.7	24.7			24.7
Soybeans										
Origin	IL					NE				
Truck	10.98	9.46			10.22	4.16	3.76			3.96
Rail <sup>1</sup>						91.20	91.64			91.42
Ocean <sup>2</sup>	17.89	17.58			17.74					
Barge	15.27	14.83			15.05					
Total transportation cost	44.14	41.87			50.96	95.36	95.40			94.86
Farm price	535.23	553.61			544.42	522.99	536.40			529.70
Landed cost	579.37	595.48			587.43	618.35	631.80			599.47
Transport % of landed cost	7.6	7.0			7.3	15.4	15.1			15.3
Wheat										
Origin	KS					KS				
Truck	26.34	35.77			31.06	4.16	3.76			3.96
Rail <sup>1</sup>						83.19	86.47			84.83
Ocean <sup>2</sup>	17.89	17.58			17.74					
Barge	11.92	9.84			10.88					
Total transportation cost	56.15	63.19			59.67	87.35	90.23			88.79
Farm price	280.23	269.33			274.78	280.23	269.33			274.78
Landed cost	336.38	332.52			334.45	367.58	359.56			363.57
Transport % of landed cost	16.7	19.0			17.8	23.8	25.1			24.4

<sup>1</sup>Rail rates include U.S. and Mexico portions of the movement. Mexico rail rates are estimated based on actual quoted market rates. BNSF and Union Pacific quoted rail tariff rates are through rates for shuttle trains.

<sup>2</sup> Source: O'Neil Commodity Consulting, Inc.

Rail rates include fuel surcharges.



**Table 2. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2013**

Commodity	Origin state	Destination	Tariff rate/car <sup>1</sup>				Fuel surcharge per car <sup>2</sup>					
			1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	6,595	6,262			6,429	595	579			587
	OK	Cuautitlan, EM	6,552	6,606			6,579	723	703			713
	KS	Guadalajara, JA	7,444	7,727			7,586	698	679			689
	TX	Salinas Victoria, NL	3,553	3,326			3,440	272	265			269
Corn	IA	Guadalajara, JA	7,699	7,699			7,699	821	799			810
	SD	Penjamo, GJ	7,608	7,356			7,482	778	757			768
	NE	Queretaro, QA	7,153	7,153			7,153	729	710			719
	SD	Salinas Victoria, NL	5,700	5,700			5,700	592	576			584
	MO	Tlalnepantla, EM	6,592	6,592			6,592	709	689			699
	SD	Torreon, CU	6,522	6,522			6,522	652	634			643
Soybeans	MO	Bojay (Tula), HG	7,580	7,580			7,580	693	674			683
	NE	Guadalajara, JA	8,134	8,134			8,134	792	771			781
	IA	El Castillo, JA	8,555	8,555			8,555	774	753			763
	KS	Torreon, CU	6,651	6,651			6,651	491	478			485
Sorghum	TX	Guadalajara, JA	6,464	6,464			6,464	507	493			500
	NE	Penjamo, GJ	6,997	6,997			6,997	707	688			697
	KS	Queretaro, QA	6,815	6,815			6,815	444	432			438
	NE	Salinas Victoria, NL	5,438	5,438			5,438	520	506			513
	NE	Torreon, CU	6,153	6,153			6,153	580	564			572

<sup>1</sup>Rates are based upon published tariff rates for high-capacity shuttle trains. Shuttle trains are available for qualified shipments of 75-110 cars that meet railroad efficiency requirements.

<sup>2</sup>Approximate load per car = 97.87 mt: corn & sorghum 56 lbs/bu, wheat & soybeans 60 lbs/bu

Sources: [www.bnsf.com](http://www.bnsf.com), [www.uprr.com](http://www.uprr.com), [www.kcsouthern.com](http://www.kcsouthern.com)



**Table 3. Quarterly tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2013**

			Tariff <sup>1</sup> plus fuel surcharge per:									
			US\$/metric ton					US\$/bushel <sup>2</sup>				
Commodity	Origin State	Destination	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	73.47	70.39			71.93	2.00	1.91			1.96
	OK	Cuautitlan, EM	74.33	75.28			74.81	2.02	2.05			2.03
	KS	Guadalajara, JA	83.19	86.47			84.83	2.26	2.35			2.31
	TX	Salinas Victoria, NL	39.09	36.92			38.00	1.06	1.00			1.03
Corn	IA	Guadalajara, JA	87.05	87.50			87.28	2.21	2.22			2.21
	SD	Penjamo, GJ	85.69	83.55			84.62	2.17	2.12			2.15
	NE	Queretaro, QA	80.54	80.94			80.74	2.04	2.05			2.05
	SD	Salinas Victoria, NL	64.29	64.61			64.45	1.63	1.64			1.64
	MO	Tlalnepanitla, EM	74.59	74.98			74.79	1.89	1.90			1.90
	SD	Torreon, CU	73.30	73.66			73.48	1.86	1.87			1.86
Soybeans	MO	Bojay (Tula), HG	84.53	84.91			84.72	2.30	2.31			2.30
	NE	Guadalajara, JA	91.20	91.64			91.42	2.48	2.49			2.49
	IA	Penjamo (Celaya), GJ	95.32	95.74			95.53	2.59	2.60			2.60
	KS	Torreon, CU	72.98	73.25			73.11	1.98	1.99			1.99
Sorghum	TX	Guadalajara, JA	71.22	71.50			71.36	1.81	1.81			1.81
	NE	Penjamo, GJ	78.71	79.10			78.90	2.00	2.01			2.00
	KS	Queretaro, QA	74.17	74.41			74.29	1.88	1.89			1.89
	NE	Salinas Victoria, NL	60.87	61.16			61.01	1.54	1.55			1.55
	NE	Torreon, CU	68.80	69.12			68.96	1.75	1.75			1.75

<sup>1</sup>Rates are based upon published tariff rates for high-capacity shuttle trains. Shuttle trains are available for qualified shipments of 75-110 cars that meet railroad efficiency requirements.

<sup>2</sup>Approximate load per car = 97.87 mt; corn & sorghum 56 lbs/bu, wheat & soybeans 60 lbs/bu

Sources: www.bnsf.com, www.uprr.com, www.kcsouthern.com



# Quarterly Bulk Grain and Soybeans

**Table 4. Quarterly exports of U.S. Distillers' Dried Grains with Soluble (DDGS) to Mexico\***

Year	Thousand metric tons				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Total
2009	316	377	371	395	1,459
2010	439	399	424	383	1,645
2011	506	430	476	369	1,781
2012	426	388	352	332	1,498
2013	284	329			613

\*Data are for brewers' and distillers' dregs and waste of which Distillers' Dried Grains with Soluble is a principal component. On November 2, 2010, data was revised.

Source: USDA, Economic Research Service (ERS), Feed grains database

**Table 5. Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico (US\$/metric ton)**

Vessel capacity (metric ton)	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Average
25,000	13.58	17.53	19.86	22.65	18.41
35-40,000	11.46	15.46	17.78	20.22	16.23
Vessel capacity (metric ton)	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
25,000	23.04	23.83	24.33	21.89	23.27
35-40,000	20.75	22.34	21.64	19.83	21.14
Vessel capacity (metric ton)	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
25,000	21.71	21.13	21.96	23.29	22.02
35-40,000	18.75	18.86	19.89	21.21	19.68
Vessel capacity (metric ton)	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
25,000	20.28	20.79	20.68	18.73	20.12
35-40,000	18.37	18.62	18.53	16.73	18.06
Vessel capacity (metric ton)	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
25,000	20.19	19.59			19.89
35-40,000	17.89	17.58			17.74

Source: O'Neil Commodity Consulting



**Table 6. U.S. livestock exports to Mexico by border crossing\* (head) April-June 2013**

Border Crossing	NM	AZ	TX	Total
<b>Beef cattle</b>				
Slaughter	0	0	0	0
Breeding males	20	32	182	234
Breeding females	7	16	90	113
Total beef	27	48	272	347
<b>Hogs</b>				
Slaughter	0	0	0	0
Breeding males	0	147	230	377
Breeding females	0	0	1,709	1,709
Total hogs	0	147	1,939	2,086
<b>Sheep</b>				
Slaughter lambs	0	0	0	0
Slaughter ewes	0	0	8,162	8,162
Breeding males	0	0	0	0
Breeding females	0	0	0	0
Total sheep	0	0	8,162	8,162
<b>Dairy cattle</b>				
Breeding males	0	0	11	11
Breeding females	549	0	7,517	8,066
Total dairy	549	0	7,528	8,077
<b>Goats</b>				
Angora	0	0	0	0
Spanish	0	0	0	0
Other	0	0	0	0
Total goats	0	0	0	0
<b>Horses</b>				
Slaughter	2,956	0	20,632	23,588
Breeding males	132	103	316	551
Breeding females	166	112	496	774
Geldings	51	41	130	222
Burro/mule/pony	0	0	298	298
Total horses	3,305	256	21,872	25,433
<b>Exotics**</b>	0	0	29	29
<b>Grand total</b>	<b>3,881</b>	<b>451</b>	<b>39,802</b>	<b>44,134</b>

\*Weekly AMS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data

\*\*Refer to animals that are not included in other categories such as zebras, deer, elephants, and yaks.

Source: Agricultural Marketing Service (AMS), Livestock and Seed Programs



**Table 7. Fruit and vegetable truck rates for shipments between 500 and 1,500 miles crossing the U.S.-Mexico border\* (US\$/mile)**

Origin/border crossing	1st qtr 2006	2nd qtr 2006	3rd qtr 2006	4th qtr 2006	Average
Nogales, Arizona	1.70	1.77	2.22	1.78	1.87
Pharr, Texas	1.75	1.80	1.64	1.63	1.71
Origin/border crossing	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Average
Nogales, Arizona	1.90	1.89	2.05	2.00	1.96
Pharr, Texas	1.65	1.83	1.86	1.74	1.77
Origin/border crossing	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Average
Nogales, Arizona	1.96	2.24	2.80	1.97	2.24
Pharr, Texas	1.93	2.19	2.12	1.87	2.03
Origin/border crossing	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Average
Nogales, Arizona	1.72	2.01	2.15	1.79	1.92
Pharr, Texas	1.70	1.71	1.59	1.58	1.65
Origin/border crossing	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
Nogales, Arizona	1.97	2.25	2.26	2.23	2.17
Pharr, Texas	1.70	2.02	1.67	1.69	1.77
Origin/border crossing	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
Nogales, Arizona	1.88	2.52	2.17	2.20	2.19
Pharr, Texas	1.97	2.20	1.98	2.08	2.06
Origin/border crossing	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
Nogales, Arizona	2.00	2.57	1.84	1.92	2.08
Pharr, Texas	1.97	2.26	1.89	2.09	2.05
Origin/border crossing	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
Nogales, Arizona	2.34	2.59			2.47
Pharr, Texas	2.15	2.33			2.24

\*Voluntarily reported to AMS, Market News  
 Source: Agricultural Marketing Service (AMS), Fruit and Vegetable Programs



**Table 8. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 2nd quarter, 2013**

Legend:		Truck availability													
														1 = Surplus	2 = Slight Surplus
3 = Adequate		4 = Slight Shortage													
5 = Shortage															
Mexico border crossings/month		April					May				June				
Week		4/2	4/9	4/16	4/23	4/30	5/7	5/14	5/21	5/28	6/4	6/11	6/18	6/25	
Through Nogales, AZ	Mangoes, Melons, Tomatoes, Mixed Vegetables, Grapes	3	3	4	3	3	5	5	5	3	5	3	2	3	
		4	3	3	3	4	4	4	5	5	5	5	3	3	

Source: USDA, Agricultural Marketing Service, Fruit and Vegetable Programs, Market News Branch, *Fruit and Vegetable Truck Rate Report*



**Table 9. Top ten commodities shipped to the U.S. from Mexico (10,000 lbs)**

Commodity	2nd quarter 2013	Rank
Watermelons, Seedless	55,102	1
Tomatoes	38,662	2
Tomatoes, Plum	33,227	3
Mangoes	30,783	4
Cucumbers	30,555	5
Grapes	28,127	6
Avocados	26,387	7
Limes	24,876	8
Peppers, Bell	18,465	9
Squash	17,019	10

Source: USDA, AMS, Market News



**Table 10. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)**

Commodity	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total 2008
Tomatoes (all varieties)	66,049	53,659	15,156	26,271	161,135
Peppers (all varieties)	43,219	38,961	17,356	27,565	127,101
Watermelon	26,601	73,261	2,202	18,531	120,595
Limes	15,557	26,505	20,834	18,705	81,601
Cucumbers	31,017	29,092	5,415	21,587	87,111
<b>Subtotal</b>	<b>182,443</b>	<b>221,478</b>	<b>60,963</b>	<b>112,659</b>	<b>577,543</b>
Other	156,348	207,080	74,194	113,146	550,768
<b>Total</b>	<b>338,791</b>	<b>428,558</b>	<b>135,157</b>	<b>225,805</b>	<b>1,128,311</b>
Commodity	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total 2009
Tomatoes (all varieties)	62,337	64,976	21,173	44,530	193,016
Peppers (all varieties)	43,303	23,396	21,903	33,946	122,548
Watermelon	21,643	64,976	1,949	21,428	109,996
Limes	17,499	21,253	23,706	19,829	82,287
Cucumbers	32,819	20,464	8,059	29,719	91,061
<b>Subtotal</b>	<b>177,601</b>	<b>195,065</b>	<b>76,790</b>	<b>149,452</b>	<b>598,908</b>
Other	181,069	143,027	80,567	129,714	534,377
<b>Total</b>	<b>181,069</b>	<b>338,092</b>	<b>157,357</b>	<b>279,166</b>	<b>955,684</b>
Commodity	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total 2010
Tomatoes (all varieties)	113,379	77,048	34,226	43,291	267,944
Peppers (all varieties)	52,381	29,135	18,481	33,718	133,715
Cucumbers	39,925	23,695	9,314	30,169	103,103
Squash	24,242	12,827	2,852	19,740	59,661
Avocados	20,065	15,120	8,696	17,242	61,123
<b>Subtotal</b>	<b>249,992</b>	<b>157,825</b>	<b>73,569</b>	<b>144,160</b>	<b>625,546</b>
Other	178,749	264,046	116,397	133,112	692,304
<b>Total</b>	<b>428,741</b>	<b>421,871</b>	<b>189,966</b>	<b>277,272</b>	<b>1,317,850</b>

Source: Data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP) through USDA, AMS, Market News

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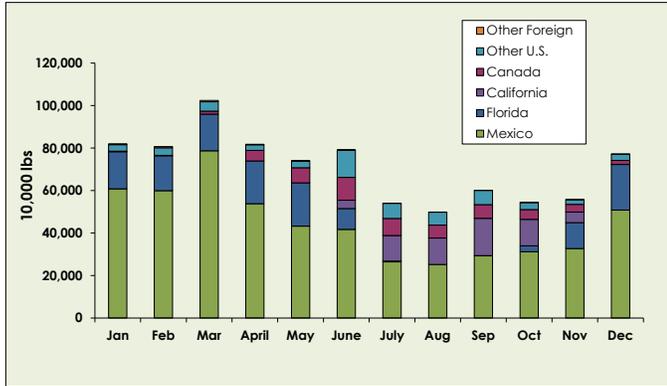
**Table 10. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)  
-continued-**

Commodity	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Total 2011
Tomatoes (all varieties)	93,831	61,825	40,136	40,329	236,121
Peppers (all varieties)	49,137	27,150	21,775	30,018	128,080
Cucumbers	31,749	27,481	9,879	22,275	91,384
Onions (dry and green)	30,159	20,994	6,747	7,090	64,990
Watermelon	25,181	66,908	3,082	14,777	109,948
<b>Subtotal</b>	<b>230,057</b>	<b>204,358</b>	<b>81,619</b>	<b>114,489</b>	<b>630,523</b>
Other	181,726	199,596	109,240	103,717	594,279
<b>Total</b>	<b>411,783</b>	<b>403,954</b>	<b>190,859</b>	<b>218,206</b>	<b>1,224,802</b>
Commodity	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Total 2012
Tomatoes (all varieties)	99,264	69,282	41,120	57,099	266,765
Peppers (all varieties)	56,506	33,399	25,990	33,073	148,968
Cucumbers	42,668	25,798	11,919	30,383	110,768
Onions (dry and green)	29,949	20,020	8,122	8,744	66,835
Squash	26,776	16,033	3,401	19,556	65,766
<b>Subtotal</b>	<b>255,163</b>	<b>164,532</b>	<b>90,552</b>	<b>148,855</b>	<b>659,102</b>
Other	200,550	256,945	122,889	190,616	771,000
<b>Total</b>	<b>455,713</b>	<b>421,477</b>	<b>213,441</b>	<b>339,471</b>	<b>1,430,102</b>
Commodity	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Total 2013
Tomatoes (all varieties)	88,753	75,505			164,258
Peppers (all varieties)	55,952	35,111			91,063
Avocados	38,933	26,387			65,320
Cucumbers	38,877	30,555			69,432
Onions (dry and green)	24,818	22,138			46,956
<b>Subtotal</b>	<b>247,333</b>	<b>189,696</b>			<b>437,029</b>
Other	206,944	271,688			478,632
<b>Total</b>	<b>454,277</b>	<b>461,384</b>			<b>915,661</b>

Source: Data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP) through USDA, AMS, Market News

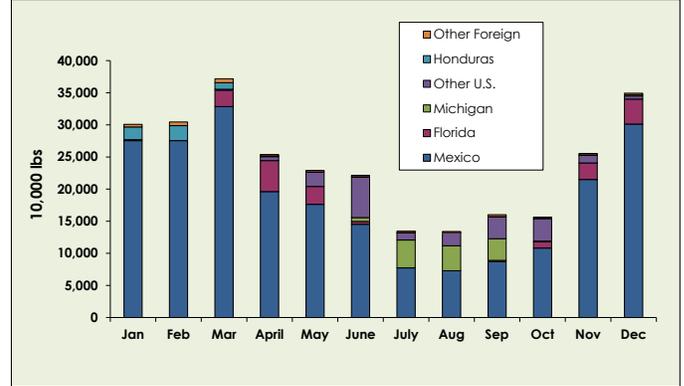


**Figure 4. Monthly U.S. shipments of domestic and imported tomatoes (all varieties), 2012**



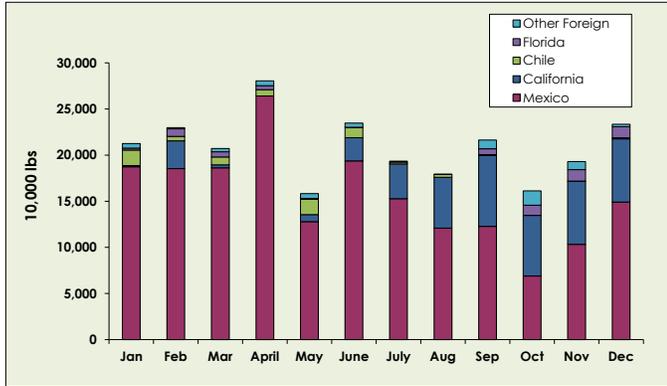
Source: Agricultural Marketing Service (AMS), USDA

**Figure 5. Monthly U.S. shipments of domestic and imported cucumbers, 2012**



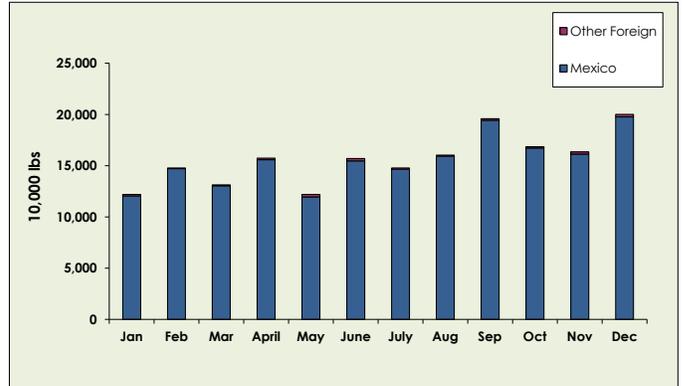
Source: Agricultural Marketing Service (AMS), USDA

**Figure 6. Monthly U.S. shipments of domestic and imported avocados, 2012**



Source: Agricultural Marketing Service (AMS), USDA

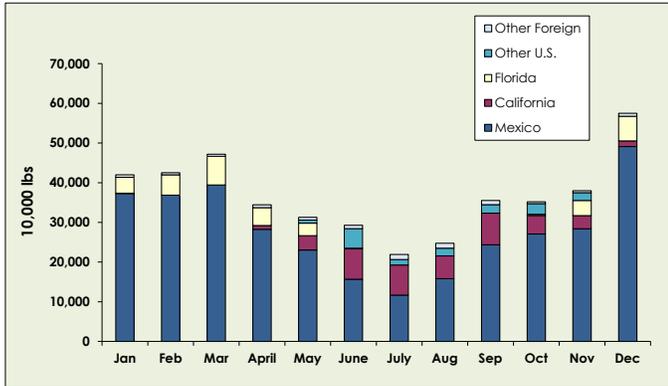
**Figure 7. Monthly U.S. shipments of domestic and imported limes, 2012**



Source: Agricultural Marketing Service (AMS), USDA

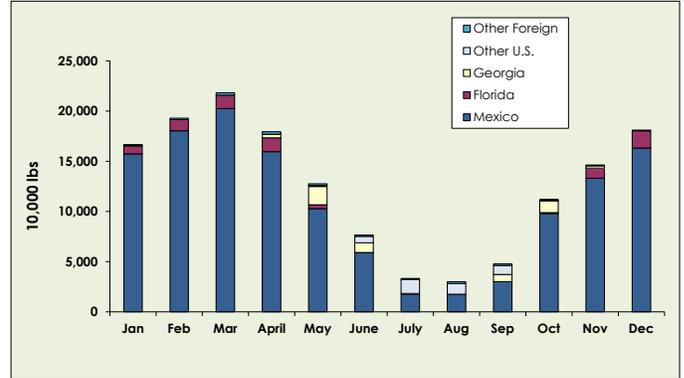


**Figure 8. Monthly U.S. shipments of domestic and imported peppers (all varieties of bell & chili), 2012**



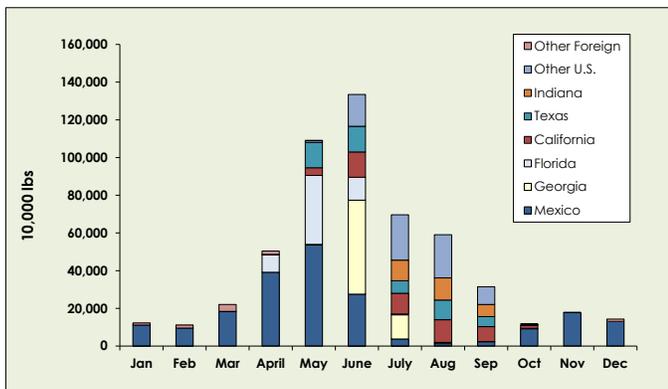
Source: Agricultural Marketing Service (AMS), USDA

**Figure 9. Monthly U.S. shipments of domestic and imported squash, 2012**



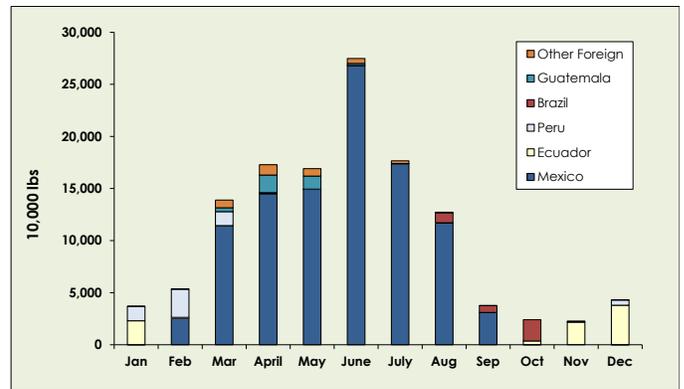
Source: Agricultural Marketing Service (AMS), USDA

**Figure 10. Monthly U.S. shipments of domestic and imported watermelons (all varieties), 2012**



Source: Agricultural Marketing Service (AMS), USDA

**Figure 11. Monthly U.S. shipments of domestic and imported mangoes, 2012**



Source: Agricultural Marketing Service (AMS), USDA



**Table 11. Top ten U.S. containerized agricultural exports to Mexico\*, 2013**

1st qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Dextrose, glucose	6,740	244	36	1
	Tobacco products	2,585	264	14	2
	Dairy products	1,760	104	9	3
	Frozen fish	1,463	125	8	4
	Grocery items	1,071	162	6	5
	Wine	973	66	5	6
	Vegetables	777	72	4	7
	Bitters, brandy, cognac	598	66	3	8
	Cheese, edam, gouda	504	32	3	9
	Tomatoes, prepared	298	52	2	10
<b>Subtotal</b>		<b>16,768</b>	<b>1,189</b>	<b>89</b>	
Other		2,001	209	11	
<b>Total Exports</b>		<b>18,769</b>	<b>1,398</b>	<b>100</b>	
2nd qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Dextrose, glucose	4,864	163	24	1
	Dairy products	2,807	240	14	2
	Grocery items	2,541	327	13	3
	Cheese, edam, gouda	1,386	80	7	4
	Frozen fish	1,281	116	6	5
	Vegetables	852	81	4	6
	Tobacco products	654	78	3	7
	Bitters, brandy, cognac	646	63	3	8
	Meat	501	49	3	9
	Wine	475	32	2	10
<b>Subtotal</b>		<b>16,009</b>	<b>1,229</b>	<b>80</b>	
Other		3,894	480	20	
<b>Total Exports</b>		<b>19,902</b>	<b>1,709</b>	<b>100</b>	

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data

\*\*Twenty Foot Equivalent Unit (TEU) is a 20-foot shipping container

Source: Port Import Export Reporting Services (PIERS), 2013



**Table 12. Top five U.S. bulk agricultural exports to Mexico\*, 2011-2012**

Commodity	2011	2012	Percentage share	Rank
	Quantity (mt)			
Bulk grains	3,584,153	3,598,594	43	1
Bread, cereal, flour	1,430,153	2,053,790	24	2
Soybeans	993,827	1,336,725	16	3
Rice	579,825	500,311	6	4
Vegetables	439,123	371,645	4	5
<b>Subtotal</b>	<b>7,027,081</b>	<b>7,861,065</b>	<b>93</b>	
Other	713,369	546,693	7	
<b>Total Exports</b>	<b>7,740,450</b>	<b>8,407,757</b>	<b>100</b>	

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data  
 Source: Port Import Export Reporting Services (PIERS), Journal of Commerce, 2011 and 2012

**Table 13. U.S. bulk agricultural exports to Mexico by receiving port\*, 2011-2012**

Mexican port	2011	2012	Percentage share	Rank
	Quantity (mt)			
Veracruz	5,171,025	5,416,205	64	1
Progreso	1,154,845	1,268,496	15	2
Coatzacoalcos	704,571	788,679	9	3
Tuxpan	498,342	473,021	6	4
Guaymas	0	200,355	2	5
<b>Subtotal</b>	<b>7,528,783</b>	<b>8,146,756</b>	<b>97</b>	
Other	211,667	261,002	3	
<b>Total Exports</b>	<b>7,740,450</b>	<b>8,407,757</b>	<b>100</b>	

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data  
 Source: Port Import Export Reporting Services (PIERS), 2011 and 2012



**Table 14. Top ten U.S. agricultural container exports to Mexico\*, 2011-2012**

Commodity	2011	2012	Percentage share	Rank
	# of TEUs**			
Dextrose, glucose	672	696	16	1
Grocery items	501	481	11	2
Tobacco products	852	463	10	3
Fruit	541	362	8	4
Dairy products	606	337	8	5
Vegetables	793	255	6	6
Bitters, Brandy, Spirits	137	244	5	7
Edible nuts	327	166	4	8
Frozen fish	160	163	4	9
Beverages	25	132	3	10
<b>Subtotal</b>	<b>4,612</b>	<b>3,299</b>	<b>74</b>	
Other	1,677	1,151	26	
<b>Total Exports</b>	<b>6,289</b>	<b>4,450</b>	<b>100</b>	

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data

\*\*Twenty Foot Equivalent Unit (TEU) is a 20-foot shipping container

Source: Port Import Export Reporting Services (PIERS), 2011 and 2012



**Table 15. Top 5 U.S. agricultural container shipments to Mexico by port\*, 2011-2012**

U.S. region**	Mexican port	2011	2012	% change
		Number of TEUs***		
U.S. Gulf	Lazaro Cardenas	-	-	-
Pacific Northwest		35	-	-
West Coast		1,058	760	-28
East Coast		4	6	50
<b>TOTAL</b>		<b>1,097</b>	<b>766</b>	<b>-30.2</b>
U.S. Gulf	Merida	700	728	4
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		-	-	-
<b>TOTAL</b>		<b>700</b>	<b>728</b>	<b>3.9</b>
U.S. Gulf	Manzanillo	-	4	-
Pacific Northwest		865	65	-92
West Coast		1,139	525	-54
East Coast		100	61	-40
<b>TOTAL</b>		<b>2,104</b>	<b>654</b>	<b>-69</b>
U.S. Gulf	Altamira	-	26	-
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		866	471	-46
<b>TOTAL</b>		<b>866</b>	<b>471</b>	<b>-46</b>
U.S. Gulf	Puerto Morelos	-	-	-
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		271	488	80
<b>TOTAL</b>		<b>271</b>	<b>488</b>	<b>80</b>
<b>Total of Top 5 Ports</b>		5,038	3,107	(38.3)
<b>Other Ports</b>		1,251	1,343	7.4
<b>TOTAL</b>		6,289	4,450	(29.2)

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data

\*\*U.S. Gulf includes Houston, New Orleans, Port Everglades

Pacific Northwest includes Seattle, Portland

West Coast includes Oakland, Long Beach, Los Angeles

East Coast includes New York, Baltimore, Norfolk, Charleston, Savannah, Jacksonville, West Palm Beach, Miami

\*\*\* Twenty Foot Equivalent Unit (TEU) is a 20-foot shipping container

Source: Port Import Export Reporting Services (PIERS), 2011 and 2012



**Table 16. U.S. agricultural container exports to Mexico by port\*, 2011-2012**

Mexican Port	2011	2012	Percentage share	Rank
	# of TEUs**			
Lazaro Carden	1,097	766	17	1
Merida	700	728	16	2
Manzanillo	2,104	654	15	3
Altamira	866	497	11	4
Puerto Morelos	271	488	11	5
<b>Subtotal</b>	<b>5,038</b>	<b>3,133</b>	<b>70</b>	
Other	1,251	1,317	30	
<b>Total Exports</b>	<b>6,289</b>	<b>4,450</b>	<b>100</b>	

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data  
 \*\*Twenty Foot Equivalent Unit (TEU) is a 20-foot shipping container  
 Source: Port Import Export Reporting Services (PIERS), 2011 and 2012

**Table 17. U.S. agricultural container exports to Mexico by port\*, 2012-2013**

Mexican Port	2012 2nd qtr	2013 2nd qtr	% Change	YTD 2012	YTD 2013	% Change
	# of TEUs**			# of TEUs**		
Lazaro Carden	145	539	271	285	752	164
Manzanillo	43	313	623	134	622	363
Altamira	86	174	102	124	235	90
Merida	123	163	32	216	333	54
Progreso	203	126	-38	382	327	-14
<b>Subtotal</b>	<b>601</b>	<b>1,315</b>	<b>119</b>	<b>1,140</b>	<b>2,268</b>	<b>99</b>
Other	345	394	14	783	839	7
<b>Total</b>	<b>946</b>	<b>1,709</b>	<b>81</b>	<b>1,923</b>	<b>3,107</b>	<b>62</b>

\*PIERS data will not necessarily sum to the total U.S. Dept. of Commerce, Bureau of Census data  
 \*\*Twenty Foot Equivalent Unit (TEU) is a 20-foot shipping container  
 Source: Port Import Export Reporting Services (PIERS), 2012 and 2013



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- ◆ [U.S. Grain and Soybean Exports to Mexico — A Modal Share Transportation Analysis \(PDF\)](#)
- ◆ [Grain Transportation Report](#)
- ◆ [Agricultural Refrigerated Truck Quarterly](#)

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- ◆ Figure 2: Land route shipment costs to Guadalajara, Mexico
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- ◆ Figure 5: Monthly U.S. shipments of domestic and imported cucumbers, 2012
- ◆ Figure 6: Monthly U.S. shipments of domestic and imported avocados, 2012
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- ◆ Table 6: U.S. livestock exports to Mexico by border crossing (head) April-June 2013
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- ◆ Table 9: Top ten commodities shipped to the U.S. from Mexico (10,000 lbs)
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- ◆ Table 14: Top ten U.S. agricultural container exports to Mexico, 2011-2012
- ◆ Table 15: Top 5 U.S. agricultral container shipments to Mexico by port, 2011-2012
- ◆ Table 16: U.S. agricultural container exports to Mexico by port, 2011-2012
- ◆ Table 17: U.S. agricultural container exports to Mexico by port, 2012-2013

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