

# Mexico Transport Cost Indicator Report

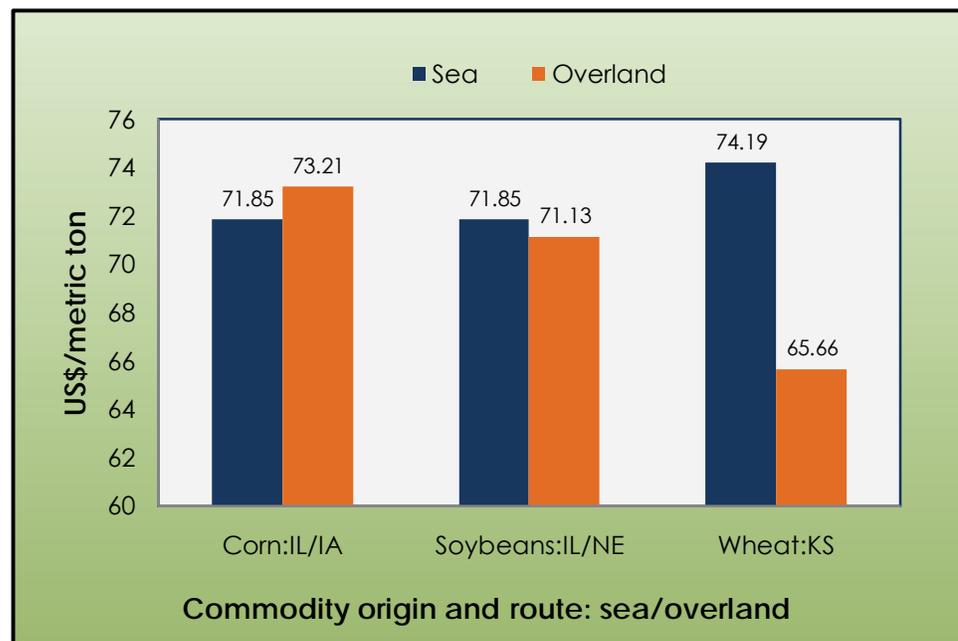


a quarterly publication of the  
Transportation and Marketing Programs/Transportation Services Division  
[www.ams.usda.gov/AgTransportation](http://www.ams.usda.gov/AgTransportation)

## Grains and Soybeans

- **Total Landed Cost.** The transportation cost for shipping grains from the United States to Guadalajara, Mexico, declined during the 2nd quarter of 2009 because barge and rail rates decreased enough to offset increases in ocean and some truck rates. The gains in quarterly wheat and soybean prices, coupled with large decreases in transportation costs, caused transportation's share of the total landed cost to fall. Transportation's share of the total landed cost by sea fell for corn; by land, it remained about the same. Total landed costs shipped through the water routes fluctuated between 15 and 32 percent; the costs for land routes ranged from 16 to 32 percent. Shipments of corn, soybeans and wheat to Mexico have receded.
- **Rail:** Fuel Surcharges drop for another month due to the economic recession. On average, fuel surcharges to selected Mexican rail destinations dropped 62 percent as compared to the 2nd quarter 2008, and 32 percent as compared to the 1st quarter of 2009. Total cost on average to the selected destinations fell by roughly 10 percent over the year and 3 percent over the quarter. Grain carloadings rose between the 1st and 2nd quarters of 2009 by 45 percent for grain carloads originated, and 5 percent for carloads received.

Figure 1. Average cost of shipping U.S. corn, wheat, and soybeans to Guadalajara, by route, April – June 2009



Source: Agricultural Marketing Service (AMS), United States Department of Agriculture (USDA)

September 9, 2009

## Contents

Summary: What Happened?

Quarterly Bulk Grain and By-Products

Livestock

Fruit and Vegetables

Container Shipments

Contact Information

Subscription Information

Data Sets



- **Kansas City Southern Opens Texas Rail Line and CenterPoint Intermodal Center.** On July 16 Kansas City Southern (KCS) railroad announced the return to service for a south Texas rail line from Victoria to Rosenberg, Texas. KCS believes this will be an important part of a transcontinental main line connecting the United States with Mexico and further, as part of a rail network connecting the area with all other Class I railroads in North America. The CenterPoint Intermodal Center is a joint venture between KCS and CenterPoint Inc. Lead tracks for industrial use are to be constructed built-to-order, and it is reported that potential customers from the United States, Mexico, and Internationally have expressed interest in constructing facilities at the site.
- **Ocean:** Ocean rates for shipping grain to Mexico increased 35 percent during the 2nd quarter compared to the previous quarter, but were 54 percent lower than the same period a year earlier. The increase in ocean freight rates was caused by the general increase in bulk shipping rates due to China's increased importation of iron ore and raw materials, and congestion in some ports around the world during the 2nd quarter.

**Fruit and Vegetables:** The top five commodities shipped to the United States declined 21 percent compared to the same period last year due to the economic downturn. Pepper shipments showed the largest decline—40 percent—during the quarter.

- During the 2nd quarter of 2009, Mexican mango shipments to the United States gained 28 percent market share by filling the gap left by the drop in Peruvian and Ecuadorian mangos exported to the United States compared with the same time a year earlier (see Agricultural Refrigerated Truck Quarterly).
- Truck rates for border crossings through Texas increased slightly over the previous quarter but were 22 percent lower than the same quarter last year, averaging \$1.71 per mile. Rates for crossings through Arizona follow the same trend as Texas, but averaged \$2.01 per mile, 17 percent above last quarter and 10 percent below the same quarter last year. Truck availability was adequate during the quarter.

**Agricultural Container Shipments to Mexico Boomed:** During the first half of 2009, the total number of Twenty foot Equivalent Units (TEUs) containers increased by 150 percent, to 2,803 containers. Container movements to Mexico vary by season and from year to year. Dairy products remained the top containerized export commodity, increasing its market share from 14 to 20 percent. Grocery items became the second largest exported commodity, followed by beer and ale, cocoa, butter, fruit, and vegetables. Even though tobacco products fell from the number two spot to the number eight of exported commodities to Mexico, total TEUs increased compared with the previous quarter and the same period last year.

## Livestock

- **U.S. Livestock Exports Down.** During the first half of 2009, U.S. cattle exports to Mexico were down 88 percent compared to the same period last year. However, 2nd quarter cattle exports to Mexico increased 60 percent, from 2,129 head to 3,422 compared with the previous quarter. U.S. Cattle imports from Mexico increased the first half of 2009 by 22 percent compared to the same period last year, going from 355,999 to 435,640 head.

Hog exports improved during this year but are still lower than the previous year. During first half to the year, hog exports dropped from 73,497 hogs in 2008 to 2,076 heads in 2009. This could be attributed to weaker demand fostered by a slow economy and the weakness of the Mexican peso compared with the U.S. dollar. During this time period, the Mexican peso lost 30 percent of its value against the U.S. dollar.

Overall livestock exports (beef cattle, hogs, sheep, goats, and horses) to Mexico are slightly down this quarter. The total head count went from 35,625 to 33,266 a difference of 6.6 percent. Sheep, the largest group shipped, accounted for 47 percent of the shipments to Mexico or 15,737 head, followed by horses at 37 percent or a total of 12,630 horses.



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

	-----2009-----									
	Water route					Land route				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg.	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg.
	US\$/metric ton					US\$/metric ton				
<b>Corn</b>										
<b>Origin</b>	<b>IL</b>					<b>IA</b>				
Truck	8.17	10.10				4.41	5.19			
Rail <sup>1</sup>	36.95	32.76				70.99	68.02			
Ocean <sup>2</sup>	11.46	15.46								
Barge	19.92	13.53								
Total transportation cost	76.50	71.85				75.40	73.21			
Farm value	155.24	154.45				162.72	158.52			
Landed cost	231.74	226.30				238.12	231.73			
Transport % of landed cost	33.0	31.7				31.7	31.6			
<b>Soybeans</b>										
<b>Origin</b>	<b>IL</b>					<b>NE</b>				
Truck	8.17	10.10				4.41	5.19			
Rail <sup>1</sup>	36.95	32.76				68.7	65.94			
Ocean <sup>2</sup>	11.46	15.46								
Barge	19.92	13.53								
Total transportation cost	76.50	71.85				73.11	71.13			
Farm value	356.78	398.91				338.78	383.97			
Landed cost	433.28	470.76				411.89	455.10			
Transport % of landed cost	17.7	15.3				17.7	15.6			
<b>Wheat</b>										
<b>Origin</b>	<b>KS</b>					<b>KS</b>				
Truck	32.27	17.22				3.68	3.64			
Rail <sup>1</sup>	36.95	32.76				63.28	62.02			
Ocean <sup>2</sup>	11.46	15.46								
Barge	13.32	8.75								
Total transportation cost	94.00	74.19				66.96	65.66			
Farm value	199.15	210.79				199.15	210.79			
Landed cost	293.15	284.98				266.11	276.45			
Transport % of landed cost	32.1	26.0				25.2	23.8			

<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.  
 Rail rates include fuel surcharges

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



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

			-----2009-----									
			Tariff rate/car <sup>1</sup>				Fuel surcharge per car <sup>2</sup>					
Commodity	Origin state	Destination	2008 Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	2008 Avg	1st qtr	2nd qtr	3rd qtr	4th qtr
Wheat	MT	Chihuahua, CI	5,740	5,896	5,896			1,084	525	381		
	OK	Cuautitlan, EM	5,149	5,355	5,377			913	372	231		
	KS	Guadalajara, JA	5,668	5,825	5,847			956	374	223		
	TX	Salinas Victoria, NL	2,934	2,978	2,995			330	113	58		
Corn	IA	Guadalajara, JA	6,698	6,512	6,395			1,106	436	263		
	SD	Penjamo, GJ	6,578	6,400	6,300			1,419	687	498		
	NE	Queretaro, QA	6,056	6,167	6,167			990	325	155		
	SD	Salinas Victoria, NL	4,625	4,740	4,740			1,078	522	378		
	MO	Tlalnepantla, EM	5,396	5,364	5,364			963	316	151		
	SD	Torreon, CU	5,510	5,377	5,310			1,188	576	417		
Soybeans	MO	Bojay (Tula), HG	6,140	5,881	5,819			956	373	222		
	NE	Guadalajara, JA	6,659	6,297	6,200			1,097	427	253		
	IA	Penjamo (Celaya), GJ	6,512	6,150	6,050			1,410	683	495		
	KS	Torreon, CU	5,280	5,077	5,040			735	276	157		
Sorghum	OK	Cuautitlan, EM	4,225	4,309	4,309			1,077	522	378		
	TX	Guadalajara, JA	4,703	4,800	4,800			923	447	324		
	NE	Penjamo, GJ	6,281	6,225	6,225			1,011	388	226		
	KS	Queretaro, QA	5,378	5,468	5,468			726	263	142		
	NE	Salinas Victoria, NL	4,315	4,377	4,377			732	283	166		
	NE	Torreon, CU	5,221	5,130	5,130			832	319	186		

<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



Table 3. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico, 2009

			Tariff <sup>1</sup> plus fuel surcharge per:									
			US\$/metric ton				US\$/bushel <sup>2</sup>					
Commodity	Origin state	Destination	2008 Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	2008 Avg	1st qtr	2nd qtr	3rd qtr	4th qtr
Wheat	MT	Chihuahua, CI	69.72	65.61	64.13			1.90	1.78	1.74		
	OK	Cuautitlan, EM	61.94	58.51	57.30			1.68	1.59	1.56		
	KS	Guadalajara, JA	67.67	63.34	62.02			1.84	1.72	1.69		
	TX	Salinas Victoria, NL	33.34	31.57	31.20			0.91	0.86	0.85		
Corn	IA	Guadalajara, JA	79.73	70.99	68.02			2.17	1.80	1.73		
	SD	Penjamo, GJ	81.71	72.42	69.46			2.22	1.84	1.76		
	NE	Queretaro, QA	72.00	66.33	64.60			1.96	1.68	1.64		
	SD	Salinas Victoria, NL	58.27	53.77	52.30			1.58	1.36	1.33		
	MO	Tlalnepantla, EM	64.97	58.04	56.35			1.77	1.47	1.43		
	SD	Torreon, CU	68.44	60.82	58.52			1.86	1.54	1.48		
Soybeans	MO	Bojay (Tula), HG	72.51	63.90	61.72			1.97	1.74	1.68		
	NE	Guadalajara, JA	79.24	68.70	65.94			2.15	1.87	1.79		
	IA	Penjamo (Celaya), GJ	80.93	69.82	66.87			2.20	1.90	1.82		
	KS	Torreon, CU	61.46	54.70	53.10			1.67	1.49	1.44		
Sorghum	OK	Cuautitlan, EM	54.17	49.36	47.89			1.47	1.25	1.22		
	TX	Guadalajara, JA	57.48	53.61	52.36			1.56	1.36	1.33		
	NE	Penjamo, GJ	74.51	67.57	65.91			2.03	1.71	1.67		
	KS	Queretaro, QA	62.37	58.55	57.32			1.70	1.49	1.45		
	NE	Salinas Victoria, NL	51.57	47.61	46.42			1.40	1.21	1.18		
	NE	Torreon, CU	61.85	55.68	54.31			1.68	1.41	1.38		

<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



Table 4. Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico (US\$/metric ton)					
Vessel capacity (metric ton)	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Average
25,000	30.19	37.00	31.62	14.08	28.22
35-40,000	26.13	33.54	28.38	11.58	24.91

Source: O'Neil Commodity Consulting



**Table 5. U.S. livestock exports to Mexico by border crossings\*, April - June, 2009 (head)**

Category					
Border Crossing	TX	NM	AZ	CA	Total
<b>Beef cattle</b>					
Slaughter	0	0	0	0	0
Breeding males	155	30	27	0	212
Breeding females	209	1	173	0	383
Total beef	364	31	200	0	595
<b>Hogs</b>					
Slaughter	0	0	0	0	0
Breeding males	644	0	0	0	644
Breeding females	642	0	325	0	967
Total hogs	1286	0	325	0	1,611
<b>Sheep</b>					
Slaughter lambs	0	0	0	0	0
Slaughter ewes	15737	0	0	0	15,737
Breeding males	0	0	0	0	0
Breeding females	0	0	0	0	0
Total sheep	15737	0	0	0	15,737
<b>Dairy cattle</b>					
Breeding males	20	2	4	0	26
Breeding females	1398	1,054	57	0	2,509
Total dairy	1418	1,056	61	0	2,535
<b>Goats</b>					
Angora	0	0	0	0	0
Spanish	60	0	0	0	60
Other	0	0	0	0	0
Total goats	60	0	0	0	60
<b>Horses</b>					
Slaughter	9,176	1,783	0	0	10,959
Breeding males	424	171	30	0	625
Breeding females	595	212	39	0	846
Geldings	121	70	9	0	200
Burro/mule/pony	0	0	0	0	0
Total horses	10,316	2,236	78	0	12,630
Exotics**	98	0	0	0	98
<b>Grand total</b>	<b>29,279</b>	<b>3,323</b>	<b>664</b>	<b>0</b>	<b>33,266</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 6. Quarterly U.S. livestock exports to Mexico through Texas border crossing\* (head)**

Category	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
<b>Beef cattle</b>					
Slaughter	0	0			
Breeding males	178	155			
Breeding females	157	209			
Total beef	335	364			
<b>Hogs</b>					
Slaughter	0	0			
Breeding males	179	644			
Breeding females	732	642			
Total hogs	911	1286			
<b>Sheep</b>					
Slaughter lambs	0	0			
Slaughter ewes	17,574	15737			
Breeding males	0	0			
Breeding females	0	0			
Total sheep	17,574	15737			
<b>Dairy cattle</b>					
Breeding males	0	20			
Breeding females	422	1398			
Total dairy	422	1418			
<b>Goats</b>					
Angora	0	0			
Spanish	235	60			
Other	0	0			
Total goats	235	60			
<b>Horses</b>					
Slaughter	9,271	9,176			
Breeding males	439	424			
Breeding females	948	595			
Geldings	131	121			
Burro/mule/pony	6	0			
Total horses	10,795	10,316			
Exotics**	437	98			
<b>Grand total</b>	<b>30,709</b>	<b>29,279</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: USDA, Agricultural Marketing Service (AMS), Livestock and Seed Programs



**Table 7. Quarterly U.S. livestock exports to Mexico through New Mexico border crossing\* (head)**

Category	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
<b>Beef cattle</b>					
Slaughter	0	0			
Breeding males	102	30			
Breeding females	102	1			
Total beef	204	31			
<b>Hogs</b>					
Slaughter	0	0			
Breeding males	0	0			
Breeding females	0	0			
Total hogs	0	0			
<b>Sheep</b>					
Slaughter lambs	0	0			
Slaughter ewes	0	0			
Breeding males	0	0			
Breeding females	0	0			
Total sheep	0	0			
<b>Dairy cattle</b>					
Breeding males	0	2			
Breeding females	888	1,054			
Total dairy	888	1,056			
<b>Goats</b>					
Angora	0	0			
Spanish	0	0			
Other	0	0			
Total goats	0	0			
<b>Horses</b>					
Slaughter	2,466	1,783			
Breeding males	243	171			
Breeding females	282	212			
Geldings	88	70			
Burro/mule/pony	0	0			
Total horses	3,080	2,236			
Exotics**	0	0			
<b>Grand total</b>	<b>4,172</b>	<b>3,323</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: USDA, Agricultural Marketing Service (AMS), Livestock and Seed Programs



Table 8. Quarterly U.S. livestock exports to Mexico through Arizona border crossing\* (head)

Category	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
<b>Beef cattle</b>					
Slaughter	0	0			
Breeding males	27	27			
Breeding females	169	173			
Total beef	196	200			
<b>Hogs</b>					
Slaughter	0	0			
Breeding males	0	0			
Breeding females	265	325			
Total hogs	265	325			
<b>Sheep</b>					
Slaughter lambs	0	0			
Slaughter ewes	0	0			
Breeding males	0	0			
Breeding females	0	0			
Total sheep	0	0			
<b>Dairy cattle</b>					
Breeding males	0	4			
Breeding females	0	57			
Total dairy	0	61			
<b>Goats</b>					
Angora	0	0			
Spanish	0	0			
Other	0	0			
Total goats	0	0			
<b>Horses</b>					
Slaughter	0	0			
Breeding males	122	30			
Breeding females	120	39			
Geldings	41	9			
Burro/mule/pony	0	0			
Total horses	283	78			
Exotics**	0	0			
<b>Grand total</b>	<b>744</b>	<b>664</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: USDA, Agricultural Marketing Service (AMS), Livestock and Seed Programs



**Table 9. Quarterly U.S. cattle exports to Mexico and Canada (head)**

Country	1st qtr 2006	2nd qtr 2006	3rd qtr 2006	4th qtr 2006	Total
Canada	8,436	12,272	9,244	6,966	36,918
Mexico	0	193	27	507	727
Other countries	285	8	978	10,762	12,033
Total	8,721	12,473	10,249	18,235	49,678
Mexico % share	0.0	1.5	0.3	2.8	1.5
Canada % share	96.7	98.4	90.2	38.2	74.3
Country	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Total
Canada	9,160	14,811	9,828	10,299	44,098
Mexico	0	9	453	13,317	13,779
Other countries	4,563	292	160	3,491	8,506
Total	13,723	15,112	10,441	27,107	66,383
Mexico % share	41.0	53.8	34.5	44.5	43.7
Canada % share	0.0	0.1	4.3	49.1	20.8
Country	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total
Canada	10,279	13,322	8,203	6,228	38,032
Mexico	27,623	16,689	2,047	2,844	49,203
Other countries	417	564	4,931	14,345	20,257
Total	38,319	30,575	15,181	23,417	107,492
Mexico % share	72.1	54.6	13.5	12.1	45.8
Canada % share	26.8	43.6	54.0	26.6	35.4
Country	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
Canada	4,125	9,393			
Mexico	2,129	3,422			
Other countries	649	5,337			
Total	6,903	18,152			
Mexico % share	59.8	0.19			
Canada % share	30.8	0.52			

Source: U.S. Department of Commerce, Bureau of the Census



**Table 10. Quarterly U.S. cattle imports from Mexico and Canada (head)**

Country	1st qtr 2006	2nd qtr 2006	3rd qtr 2006	4th qtr 2006	Total
Mexico	366,297	284,421	215,413	390,842	1,256,973
Canada	342,383	185,755	202,704	301,028	1,031,870
Other countries	0	0	0	0	0
Total	708,680	470,176	418,117	691,870	2,288,843
Mexico % share	51.7	60.5	51.5	56.5	54.9
Canada % share	48.3	39.5	48.5	43.5	45.1
Country	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Total
Mexico	258,079	278,799	159,641	393,575	1,090,094
Canada	371,078	239,374	302,718	491,701	1,404,871
Other countries	0	0	0	0	0
Total	629,157	518,173	462,359	885,276	2,494,965
Mexico % share	41.0	53.8	34.5	44.5	43.7
Canada % share	59.0	46.2	65.5	55.5	56.3
Country	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total
Mexico	171,725	184,274	59,122	287,540	702,661
Canada	510,449	378,292	346,048	346,514	1,581,303
Other countries	0	0	29	0	29
Total	682,174	562,566	405,199	634,054	2,283,993
Mexico % share	25.2	32.8	14.6	45.3	30.8
Canada % share	74.8	67.2	85.4	54.7	69.2
Country	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
Mexico	238,828	196,812			
Canada	373,360	226,930			
Other countries	0	0			
Total	612,188	423,742			
Mexico % share	39.0	0.46			
Canada % share	61.0	0.54			

Source: U.S. Department of Commerce, Bureau of the Census



**Table 11. Quarterly U.S. hog exports to Mexico and Canada (head)**

Country	1st qtr 2006	2nd qtr 2006	3rd qtr 2006	4th qtr 2006	Total
Mexico	75,082	23,208	32,046	21,022	151,358
Canada	1,728	807	964	569	4,068
Other countries	1,421	1,550	3,653	2,571	9,195
Total	78,231	25,565	36,663	24,162	164,621
Mexico % share	96.0	90.8	87.4	87.0	91.9
Canada % share	2.2	3.2	2.6	2.4	2.5
Country	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Total
Mexico	32,895	11,106	38,381	38,654	121,036
Canada	1,677	977	1,442	240	4,336
Other countries	2,382	3,296	4,491	1,275	11,444
Total	36,954	15,379	44,314	40,169	136,816
Mexico % share	89.0	72.2	86.6	96.2	88.5
Canada % share	4.5	6.4	3.3	0.6	3.2
Country	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total
Mexico	57,411	16,086	741	1,171	75,409
Canada	771	2,696	3,380	707	7,554
Other countries	1,807	3,154	6,589	2,940	14,490
Total	59,989	21,936	10,710	4,818	97,453
Mexico % share	95.7	73.3	6.9	24.3	77.4
Canada % share	1.3	12.3	31.6	14.7	7.8
Country	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
Mexico	833	1,243			
Canada	0	0			
Other countries	5,656	3,630			
Total	6,489	4,873			
Mexico % share	12.8	0.26			
Canada % share	0.0	0.0			

Source: U.S. Department of Commerce, Bureau of the Census



**Table 12. Quarterly U.S. hog imports (head)**

Country	1st qtr 2006	2nd qtr 2006	3rd qtr 2006	4th qtr 2006	Total
Canada	2,132,639	2,087,934	2,204,344	2,338,461	8,763,378
Other countries	0	0	0	0	0
Total	2,132,639	2,087,934	2,204,344	2,338,461	8,763,378
Canada % share	100.0	100.0	100.0	100.0	100.0
Country	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Total
Canada	2,301,898	2,369,502	2,463,940	2,868,977	10,004,317
Other countries	0	25	0	0	25
Total	2,301,898	2,369,527	2,463,940	2,868,977	10,004,342
Canada % share	100.0	100.0	100.0	100.0	100.0
Country	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total
Canada	2,914,533	2,149,388	2,201,248	2,082,755	9,347,924
Other countries	0	0	0	0	0
Total	2,914,533	2,149,388	2,201,248	2,082,755	9,347,924
Canada % share	100.0	100.0	100.0	100.0	100.0
Country	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total
Canada	1,760,660	1,614,485			
Other countries	0	0			
Total	1,760,660	1,614,485			
Canada % share	100.0	100.0			

Source: U.S. Department of Commerce, Bureau of the Census



**Table 13. Fruit and vegetable truck rates for selected U.S.-Mexico border crossing\* (US\$/mile)**

Origin/border crossing	1st qtr 2005	2nd qtr 2005	3rd qtr 2005	4th qtr 2005	Average
Nogales, Arizona	1.58	1.83	2.10	1.92	1.86
Pharr, Texas	1.51	1.84	1.70	1.87	1.73
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			
Pharr, Texas	1.70	1.71			

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



Table 14. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 2nd quarter, 2009

Legend:		Truck availability												
1 = Surplus	2 = Slight Surplus													
3 = Adequate	4 = Slight Shortage													
5 = Shortage														
Mexico border crossings/month		April				May				June				
Week		4/7	4/14	4/21	4/28	5/5	5/12	5/19	5/26	6/3	6/9	6/16	6/23	6/30
Through Pharr, TX	Citrus	3	3	3	3	3	3	4	3	3	3	3	3	2
	Avocados	3	3	3	3	3	3	4	3	3	3	3	3	2
	Mixed Fruits and Vegetables	3	3	3	3	3	3	4	3	3	3	3	3	2
	Watermelons							4						
	Mangoes							4						
Through Nogales, AZ	Tomatoes	4	3	2	3	3	2	3	4	4	4	3	2	3
	Mixed Vegetables	4	3	2	3	3	2	3	4	4	4	3	2	3
	Melons			2	3	3	2	3	4	4	4	3	2	3
	Grapes						2	3	4	4	4	3	2	3
	Mangoes	4	3	2	3	3	2	3	4	4	4	3	2	3

Source: USDA, Agricultural Marketing Service (AMS), Fruit and Vegetable Programs



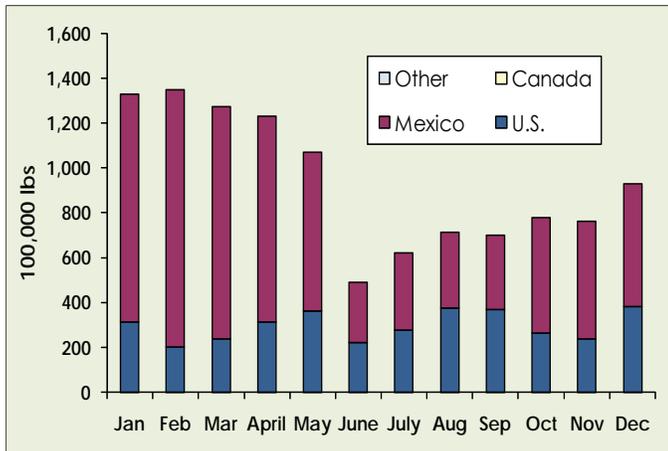
**Table 15. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)**

Commodity	1st qtr 2007	2nd qtr 2007	3rd qtr 2007	4th qtr 2007	Total 2007
Tomatoes, Plum	81,569	49,510	16,541	26,462	174,082
Peppers	39,988	21,882	16,609	30,259	108,738
Watermelon, Seedless	19,736	60,559	306	18,214	98,815
Limes	15,931	20,420	21,860	19,090	77,301
Cucumbers	31,681	17,622	4,709	22,438	76,450
Other	151,494	159,783	77,029	108,830	497,136
Subtotal border crossing	188,905	169,993	60,025	116,463	535,386
<b>Total quarterly</b>	<b>340,399</b>	<b>329,776</b>	<b>137,054</b>	<b>225,293</b>	<b>1,032,522</b>
Commodity	1st qtr 2008	2nd qtr 2008	3rd qtr 2008	4th qtr 2008	Total 2008
Tomatoes, Plum	66,049	53,659	15,156	26,271	161,135
Peppers	43,219	38,961	17,356	27,565	127,101
Watermelon, Seedless	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
Other	156,348	207,080	74,194	113,146	550,768
Subtotal border crossing	182,443	221,478	60,963	112,659	577,543
<b>Total quarterly</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, Plum	62,337	64,976			
Peppers	43,303	23,396			
Watermelon, Seedless	21,643	64,976			
Limes	17,499	21,253			
Cucumbers	32,819	20,464			
Other	181,069	143,027			
Subtotal border crossing	177,601	195,065			
<b>Total quarterly</b>	<b>358,670</b>	<b>338,092</b>			

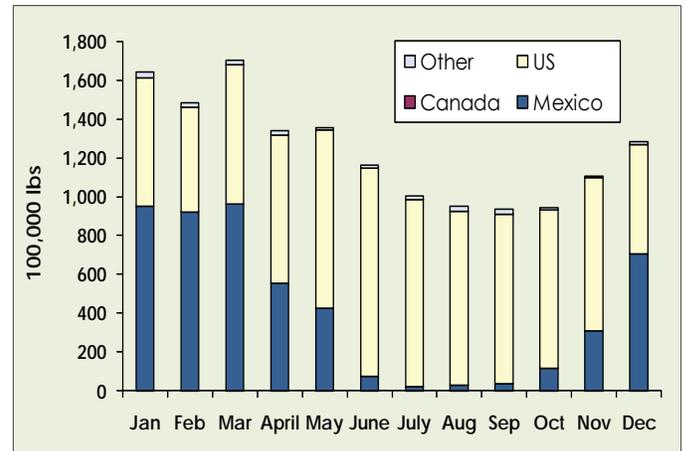
Source: Data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border Protection (CBP) through USDA, AMS, Market News



**Figure 2. Monthly U.S. shipments of domestic and imported plum tomatoes, 2008**



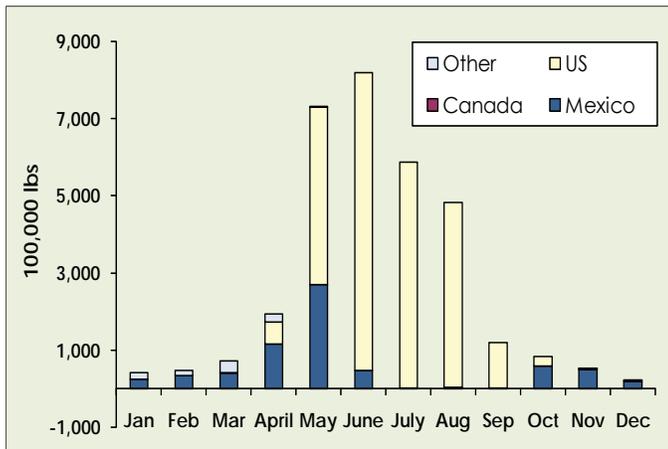
**Figure 3. Monthly U.S. shipments of domestic and imported peppers, 2008**



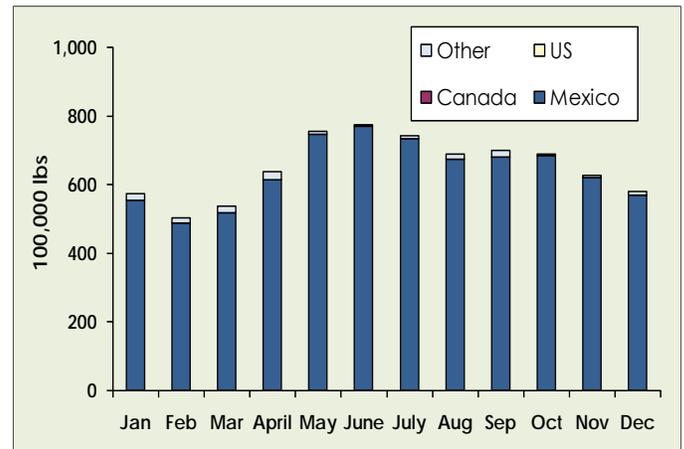
Source: Agricultural Marketing Service (AMS), USDA

Source: Agricultural Marketing Service (AMS), USDA

**Figure 4. Monthly U.S. shipments of domestic and imported seedless watermelons, 2008**



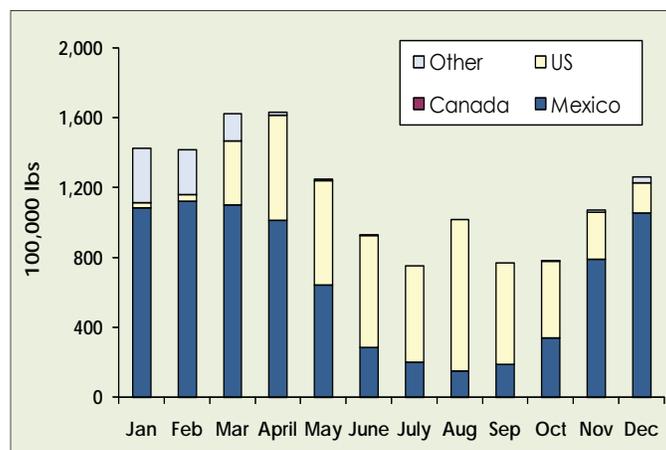
**Figure 5. Monthly U.S. shipments of domestic and imported limes, 2008**



Source: Agricultural Marketing Service (AMS), USDA

Source: Agricultural Marketing Service (AMS), USDA

**Figure 6. Monthly U.S. shipments of domestic and imported cucumbers, 2008**



Source: Agricultural Marketing Service (AMS), USDA



## Container Shipments

**Table 16. Top ten U.S. container agricultural exports to Mexico, 2009**

1st qtr	Commodity	# of TEUs**	Percentage share	Rank
	Dairy products	157	14	1
	Tobacco, leaf, processed	120	11	2
	Grocery items	113	10	3
	Cocoa; butter	84	8	4
	Vegetables	78	7	5
	Herbs and spices	62	6	6
	Tomatoes prepared	56	5	7
	Beer and ale	52	5	8
	Bulbs and seeds	40	4	9
	Canned fruit	35	3	10
<b>Subtotal</b>		<b>797</b>	<b>73</b>	
Other		322	27	
<b>Total Exports</b>		<b>1119</b>	<b>100</b>	
2nd qtr	Commodity	# of TEUs**	Percentage share	Rank
	Dairy products	551	20	1
	Grocery items	236	8	2
	Beer and ale	190	7	3
	Cocoa; butter	186	7	4
	Fruit	180	6	5
	Vegetables	165	6	6
	Edible nuts	155	6	7
	Tobacco, leaf, processed	135	5	8
	Tomatoes prepared	116	4	9
	Herbs and spices	104	4	10
<b>Subtotal</b>		<b>2018</b>	<b>72</b>	
Other		785	28	
<b>Total Exports</b>		<b>2803</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), Journal of Commerce, 2008



**Table 17. Top eight U.S. bulk agricultural exports to Mexico\*, 2009 (2nd quarter)**

Commodity	Quantity (mt)	Percentage share	Rank
Bulk grain	1,900,400	51	1
Soybeans	775,979	21	2
Vegetables	733,269	20	3
Rice, crackers, and pasta	207,680	6	4
Tallow, grease	53,904	1	5
Grain products, flour and cereal	27,726	1	6
<b>Subtotal</b>	<b>3,698,958</b>	<b>99</b>	
Other	50,424	1	
<b>Total Exports</b>	<b>3,749,382</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, 2008

**Table 18. Top ten U.S. agricultural container exports to Mexico\*, 2008**

Commodity	# of TEUs**	Percentage share	Rank
Grocery items	425	11	1
Diary products	384	10	2
Vegetables	351	9	3
Herbs and spices	326	8	4
Tobacco	323	8	5
Cocoa butter	305	8	6
Tomatoes, prepared	186	5	7
Frozen fish	156	4	8
Meat	137	3	9
Fruit	136	3	10
<b>Subtotal</b>	<b>2,729</b>	<b>69</b>	
Other	1,231	31	
<b>Total Exports</b>	<b>3,979</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), Journal of Commerce, 2008



**Table 19. Top eight Mexican bulk agricultural exports to the U.S. \*, 2008**

Commodity	Quantity (mt)	Percentage share	Rank
Sugars	653,565	39	1
Beer and ale	562,091	34	2
Molasses and treacle	173,268	10	3
Chewing gum	98,117	6	4
Coffee	41,932	3	5
Vegetables	24,347	1	6
Wine	15,797	1	7
Liquor, brandy and spirits	14,018	1	8
<b>Subtotal</b>	<b>1,583,135</b>	<b>95</b>	
Other	79,548	5	
<b>Total Exports</b>	<b>1,662,683</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, 2008

**Table 20. Top ten Mexican agricultural container exports to the U.S. \*, 2008**

Commodity	# of TEUs**	Percentage share	Rank
Beer and ale	7,221	30	1
Coffee	2,458	10	2
Vegetables	2,445	10	3
Liquor, brandy and spirits	1,447	6	4
Sugars	1,327	6	5
Wine	1,320	5	6
Grain products, flour, and cereal	1,005	4	7
Fruit	725	3	8
Meat	594	2	9
Dairy products	552	2	10
<b>Subtotal</b>	<b>19,094</b>	<b>79</b>	
Other	4,927	21	
<b>Total Exports</b>	<b>24,021</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), Journal of Commerce, 2008



**Table 21. U.S. agricultural container shipments to Mexico by port\*, 2008**

U.S. region**	Mexican port	Number of TEUs***
U.S. Gulf	Manzanillo	66
Pacific Northwest		303
West Coast		1,033
East Coast		74
<b>TOTAL</b>		<b>1,476</b>
U.S. Gulf	Puerto Morelos	473
Pacific Northwest		-
West Coast		-
East Coast		-
<b>TOTAL</b>		<b>473</b>
U.S. Gulf	Progreso	410
Pacific Northwest		-
West Coast		-
East Coast		2
<b>TOTAL</b>		<b>412</b>
U.S. Gulf	Altamira	5
Pacific Northwest		-
West Coast		-
East Coast		346
<b>TOTAL</b>		<b>351</b>
U.S. Gulf	Veracruz	58
Pacific Northwest		-
West Coast		-
East Coast		167
<b>TOTAL</b>		<b>224</b>

\*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), Journal of Commerce, 2008



**Table 22. U.S. agricultural container exports to Mexico by port\*, 2008**

Mexican port	# of TEUs**	Percentage share	Rank
Manzanillo	1,476	37	1
Puerto Morelos	473	12	2
Progreso	412	10	3
Altamira	351	9	4
Veracruz	224	6	5
<b>Subtotal</b>	<b>2,936</b>	<b>74</b>	
Other	1,043	26	
<b>Total Exports</b>	<b>3,979</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), Journal of Commerce, 2008

**Table 23. U.S. bulk agricultural exports to Mexico by receiving port\*, 2008**

Mexican port	Quantity (mt)	Percentage share	Rank
Veracruz	4,248,204	63	1
Progreso	1,320,009	20	2
Coatzacoalcos	562,171	8	3
Tuxpan	488,861	7	4
<b>Subtotal</b>	<b>6,619,245</b>	<b>99</b>	
Other	100,033	1	
<b>Total Exports 2008</b>	<b>6,719,277</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, 2008



**Contact Information:**

Delmy L. Salin Senior Economist, Project Manager	<a href="mailto:delmy.salin@usda.gov">delmy.salin@usda.gov</a>	(202) 694-3052
Daniel T. Nibarger Economist, Rail Analyst	<a href="mailto:daniel.nibarger@usda.gov">daniel.nibarger@usda.gov</a>	(202) 436-9713
Surajudeen Olowalayemo Agricultural Economist, Ocean Bulk Shipments Analyst	<a href="mailto:surajudeen.olowalayemo@usda.gov">surajudeen.olowalayemo@usda.gov</a>	(202) 694-3050
Camia Lane Agricultural Marketing Specialist, Fruit and Vegetable Analyst	<a href="mailto:camia.lane@usda.gov">camia.lane@usda.gov</a>	(202) 694-2507
Ron Hagen Economist, Container Shipments Analyst	<a href="mailto:ron.hagen@usda.gov">ron.hagen@usda.gov</a>	(202) 694-2505
Pierre N. Bahizi Economist, Livestock Analyst	<a href="mailto:pierre.bahizi@usda.gov">pierre.bahizi@usda.gov</a>	(202) 694-2503
Jessica E. Ladd Graphic Analyst	<a href="mailto:jessica.ladd@usda.gov">jessica.ladd@usda.gov</a>	(202) 720-6494

**Subscription Information:** Send e-mail address to [GTRContactUs@usda.gov](mailto:GTRContactUs@usda.gov) for an electronic copy.

**Related Websites:**

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



## Data Sets:

- ◆ Figure 1: Average cost of shipping U.S. corn, wheat, and soybeans to Guadalajara, by route, June - April, 2009
- ◆ Figure 2: Monthly U.S. shipments of domestic and imported plum tomatoes, 2008
- ◆ Figure 3: Monthly U.S. shipments of domestic and imported peppers, 2008
- ◆ Figure 4: Monthly U.S. shipments of domestic and imported seedless watermelons, 2008
- ◆ Figure 5: Monthly U.S. shipments of domestic and imported limes, 2008
- ◆ Figure 6: Monthly U.S. shipments of domestic and imported cucumbers, 2008
  
- ◆ Table 1: Quarterly costs of transporting U.S. grain and soybeans to Guadalajara, Mexico
- ◆ Table 2: Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car)
- ◆ Table 3: Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico, 2009
- ◆ Table 4: Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico (US\$/metric ton)
- ◆ Table 5: Quarterly U.S. livestock exports to Mexico by border crossings, June - April, 2009 (head)
- ◆ Table 6: Quarterly U.S. livestock exports to Mexico through Texas border crossing (head)
- ◆ Table 7: Quarterly U.S. livestock exports to Mexico through New Mexico border crossing (head)
- ◆ Table 8: Quarterly U.S. livestock exports to Mexico through Arizona border crossing (head)
- ◆ Table 9: Quarterly U.S. cattle exports to Mexico and Canada (head)
- ◆ Table 10: Quarterly U.S. cattle imports from Mexico and Canada (head)
- ◆ Table 11: Quarterly U.S. hog exports to Mexico and Canada (head)
- ◆ Table 12: Quarterly U.S. hog imports (head)
- ◆ Table 13: Fruit and vegetable truck rates for selected U.S.-Mexico border crossing (US\$/mile)
- ◆ Table 14: Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 2nd quarter, 2009
- ◆ Table 15: Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)
- ◆ Table 16: Top ten U.S. container agricultural exports to Mexico, 2009
- ◆ Table 17: Top eight U.S. bulk agricultural exports to Mexico, 2009
- ◆ Table 18: Top ten U.S. agricultural container exports to Mexico, 2008
- ◆ Table 19: Top eight Mexican bulk agricultural exports to the U.S., 2008
- ◆ Table 20: Top ten Mexican agricultural container exports to the U.S., 2008
- ◆ Table 21: U.S. agricultural container shipments to Mexico by port, 2008
- ◆ Table 22: U.S. agricultural container exports to Mexico by port, 2008
- ◆ Table 23: U.S. bulk agricultural exports to Mexico by receiving port, 2008

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.