

Mexico Transport Cost Indicator Report

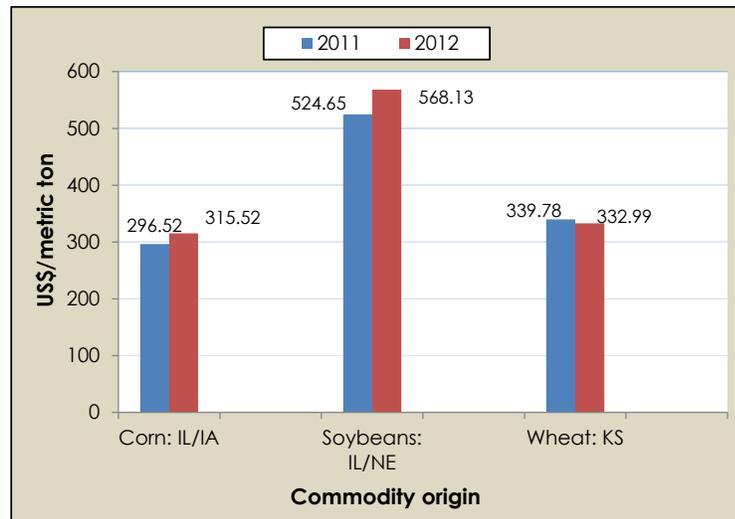
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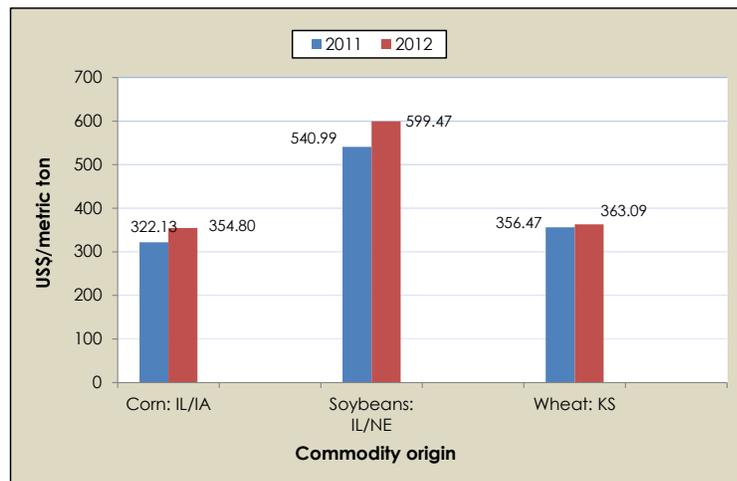
Mexico Grain Imports Up in 2012. Although average landed costs of U.S. grain and soybeans to Mexico were up in 2012 compared to 2011 (figures 1 and 2), Mexico imported more wheat and soybeans and slightly less corn in 2012 than it did in 2011. Mexico imported about 8.5 million metric tons (mmt) of corn, 3.63 mmt of wheat, and 3.30 mmt of soybeans in 2012 (USDA, GATS). Imports were valued at \$2.54 billion for corn, \$1.86 billion for soybeans, and \$1.12 billion for wheat. Imported quantities were down 2 percent for corn, up 4 percent for soybeans, and up 13 percent for wheat compared to a year earlier. The value of imports decreased 4 percent for corn, increased 13 percent for soybeans, and increased 10 percent for wheat. As reflected in the landed costs (table 1), U.S. producers received higher prices for their products in 2012 than in 2011.

Figure 1. Average landed cost of U.S. corn, soybeans and wheat to Veracruz, Mexico during 2011-2012



Source: USDA Agricultural Marketing Service

Figure 2. Average landed cost of U.S. corn, soybeans and wheat to Guadalajara, Mexico during 2011-2012



Source: USDA Agricultural Marketing Service



March 27, 2013

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Table 1. Average cost of transporting U.S. grain and soybeans to Mexico, 2010-2012

	Water route (to Veracruz)				Land route (to Guadalajara)			
	2010	2011	2012	% change	2010	2011	2012	% change
	US\$/metric ton							
Corn								
Origin	IL				IA			
Truck	9.45	11.38	11.29	-1	4.47	3.58	4.96	38.55
Rail ¹					76.69	83.88	87.42	4.22
Ocean ²	21.14	19.68	18.06	-8				
Barge	20.83	23.57	21.61	-8				
Total transportation cost	51.42	54.63	50.96	-7	81.16	87.46	92.38	5.63
Farm price	151.73	241.89	264.56	9	151.86	234.67	262.42	11.83
Landed cost	203.15	296.52	315.52	6	233.02	322.13	354.80	10.14
Transport % of landed cost	25.3	18.4	16.2	-12	34.8	27.2	26.0	-4.10
Soybeans								
Origin	IL				NE			
Truck	9.45	11.38	11.29	-1	4.47	3.58	4.96	38.55
Rail ¹					74.70	84.85	89.90	5.95
Ocean ²	21.14	19.68	18.06	-8				
Barge	20.83	23.57	21.61	-8				
Total transportation cost	51.42	54.63	50.96	-7	79.17	88.43	94.86	7.27
Farm price	372.40	470.02	517.17	10	360.85	452.56	504.61	11.50
Landed cost	423.82	524.65	568.13	8	440.02	540.99	599.47	10.81
Transport % of landed cost	12.1	10.4	9.0	-14	18.0	16.3	15.8	-3.19
Wheat								
Origin	KS				KS			
Truck	24.74	31.90	24.23	-24	4.47	3.58	4.96	38.55
Rail ¹					73.10	80.68	83.78	3.84
Ocean ²	21.14	19.68	18.06	-8				
Barge	14.28	15.99	16.35	2				
Total transportation cost	60.16	67.57	58.64	-13	77.57	84.26	88.74	5.32
Farm price	187.82	272.21	274.35	1	187.82	272.21	274.35	0.79
Landed cost	247.98	339.78	332.99	-2	265.39	356.47	363.09	1.86
Transport % of landed cost	24.3	19.9	17.6	-11	29.2	23.6	24.4	3.40

¹Rail 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 train
 Rail rates include fuel surcharges

²Source: O'Neil Commodity Consulting, Inc.

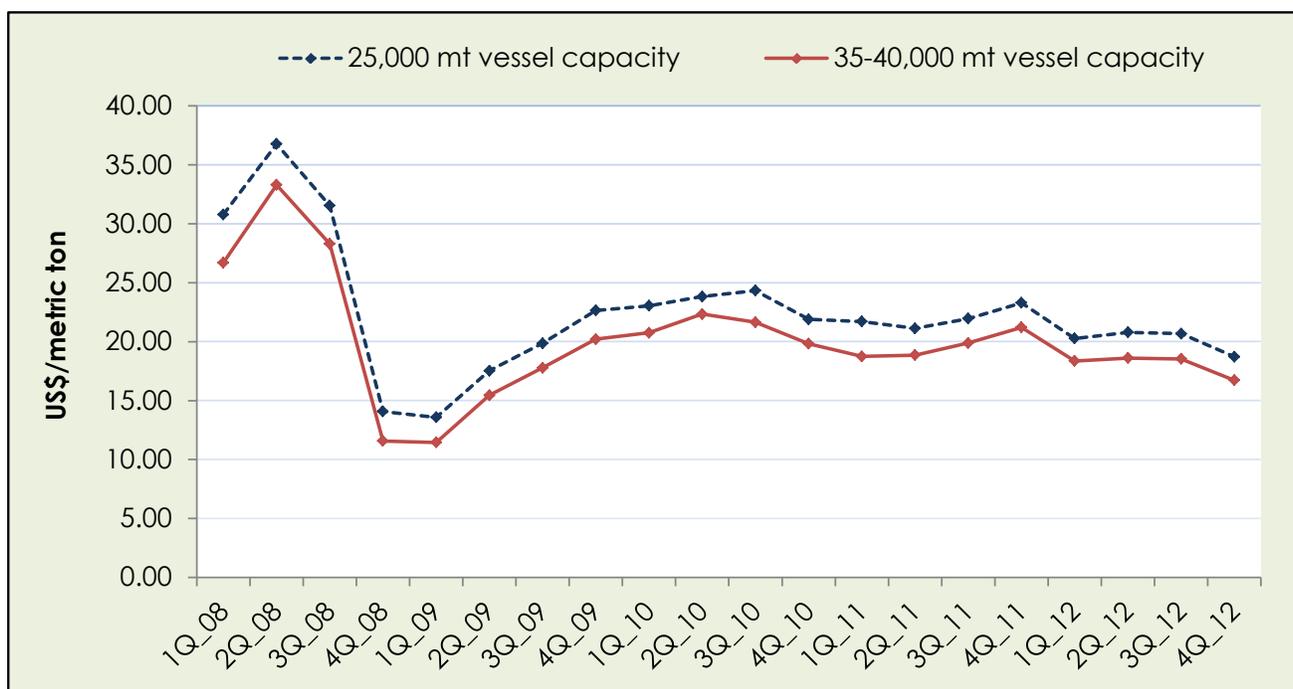


Average year-to-year transportation costs fell for grain shipped via the water route to Veracruz, mainly due to decreases in truck, ocean, and barge rates. However, year-to-year transportation costs increased for the land route because truck and rail tariff rates increased during the year. In general, transportation's share of the landed costs decreased because of higher farm prices. U.S. farmers received robust prices for their grains compared to a year earlier. Corn prices increased 9 percent in Illinois and 12 percent in Iowa. Soybean prices were up 10 percent in Illinois and 12 percent in Nebraska; wheat prices increased 1 percent in Kansas.

Mexico's grain production was hampered by extremely dry weather during the marketing year (MY) 2011/12, resulting in irreversible yield losses. Although the rainy season was much better in 2012, it was not enough to offset the effect of the previous year's drought. Hence, Mexico's MY 2012/13 corn production estimate at 20 mmt is based on a smaller-than-expected planted area and irregular weather conditions (*GAIN Report #: MX 2073*). According to the USDA's Foreign Agricultural Service, Mexican imports in MY 2012/13 are estimated at 12.2 mmt for corn and 3.6 mmt for soybeans—an increase of 2.8 percent for soybeans from MY 2011/12. Strong soybean imports continue to be driven by the growing demand from Mexico's population and its poultry and pork industries (*GAIN Report #: MX2073*).

- Rail Rates and Volume.** Tariff rail rates to Mexico increased 2.2 percent from last year to an average of \$6,749 per railcar. In the same period, fuel surcharges rose 7 percent to an average of \$679 per railcar. During 2012, 91,229 railcars of grain were delivered to Mexico, down 6 percent from 2011.
- Ocean Freight Rates:** Ocean freight rates for shipping bulk grains from the United States to Mexico decreased during 2012 (figure 3). The decline in the ocean freight rates is attributed to excess vessel supply and weak demand for bulk commodities around the world. 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 \$20.12 per mt during 2012—down 6 percent from last year. The cost of shipping in a 35-40,000-ton-capacity vessel averaged \$18.06 per mt—8 percent less than 2011.

Figure 3. Bulk ocean freight rates from the U.S. Gulf to Veracruz, Mexico, 2008-2012



Source: O'Neil Commodity Consulting



Fruit and Vegetables

Total 2012 Mexican fruit and vegetable shipments imported by truck to the U.S. were up 7.2 percent from 2011. Among the biggest year-over-year increases within the top ten commodities were for hot peppers (27 percent), bell peppers (32 percent), avocados (37 percent), and green onions (21 percent). According to The Packer, consumer demand for both bell and chili peppers is growing every year; the likelihood of a specialty pepper purchase increased 10 percentage points over last year. Over the last few years, increased consumer demand and more relaxed restrictions have led to large increases in avocado imports from Mexico, according to the latest ERS Fruit and Tree Nut Outlook. Increased imports of Mexican green onions corresponded with an 8 percent increase in their average advertised retail price across major national retail supermarkets during the fourth quarter, according to USDA's Market News Service. The price increase was larger than for other reported vegetables, second only to an 11 percent price increase for hothouse tomatoes. However, broccoli had a 21 percent year-over-year decrease from the fourth quarter of 2011, the largest for any of the top ten commodities. Lower Mexican broccoli volumes were matched by an increased supply of domestically grown broccoli, according to The Packer. Unusually warm growing weather led to a higher-than-normal supply of broccoli at the beginning of December, depressing prices in the market from the same period last year.

Truck rates for fruit and vegetable shipments between 501 and 1,500 miles through Pharr, TX, averaged \$2.09 per mile, 12 percent higher than the same quarter last year. Rates for shipments between 501 and 1,500 miles through Nogales, AZ, averaged \$1.92 per mile, 7 percent higher than the same quarter last year. There was mostly adequate truck availability through Texas and a slight surplus through Arizona throughout the fourth quarter except for the last 3 weeks of November and the last week of December, which experienced a shortage.

Livestock

Texas is the largest border crossing state for U.S. livestock exports into Mexico with 77 percent of all livestock export, followed by Arizona (15 percent) and New Mexico (7 percent). Over 77 percent of livestock exports consist of horses, followed by hogs for breeding (19 percent) and dairy cattle (3 percent). Drought-affected pastures and record high retail beef prices in the U.S. could have affected the drop in beef cattle exports to Mexico. Over the past five years, sheep exports have fallen significantly from the top position. Horses, in turn, have experienced a tremendous increase, rising from third to first (figure 4).

Figure 4. Livestock border crossing (head count), 2008-2012

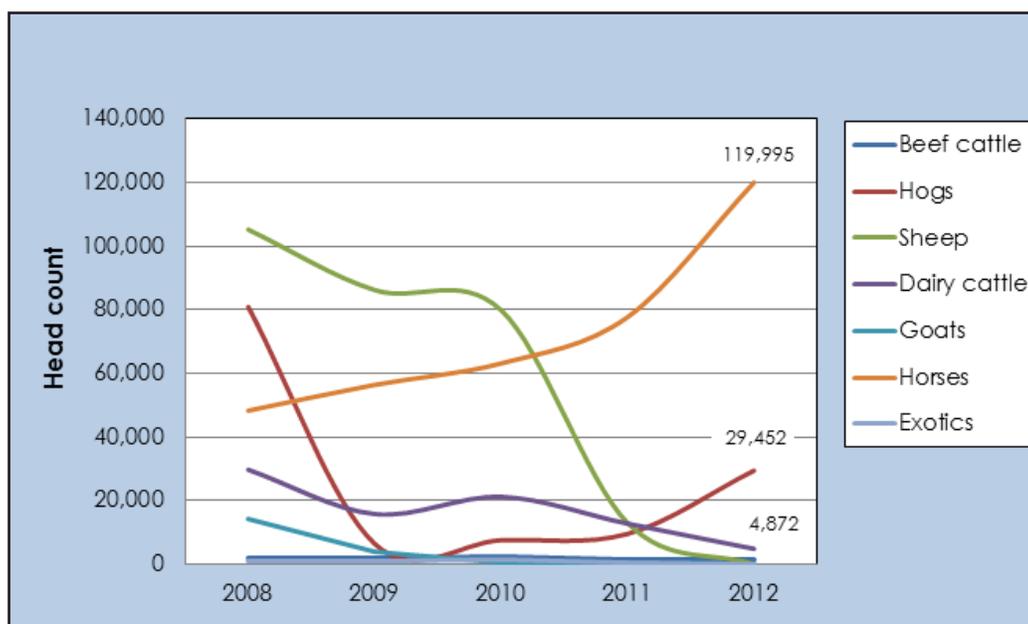




Figure 5. Total livestock border crossing to Mexico during 2012

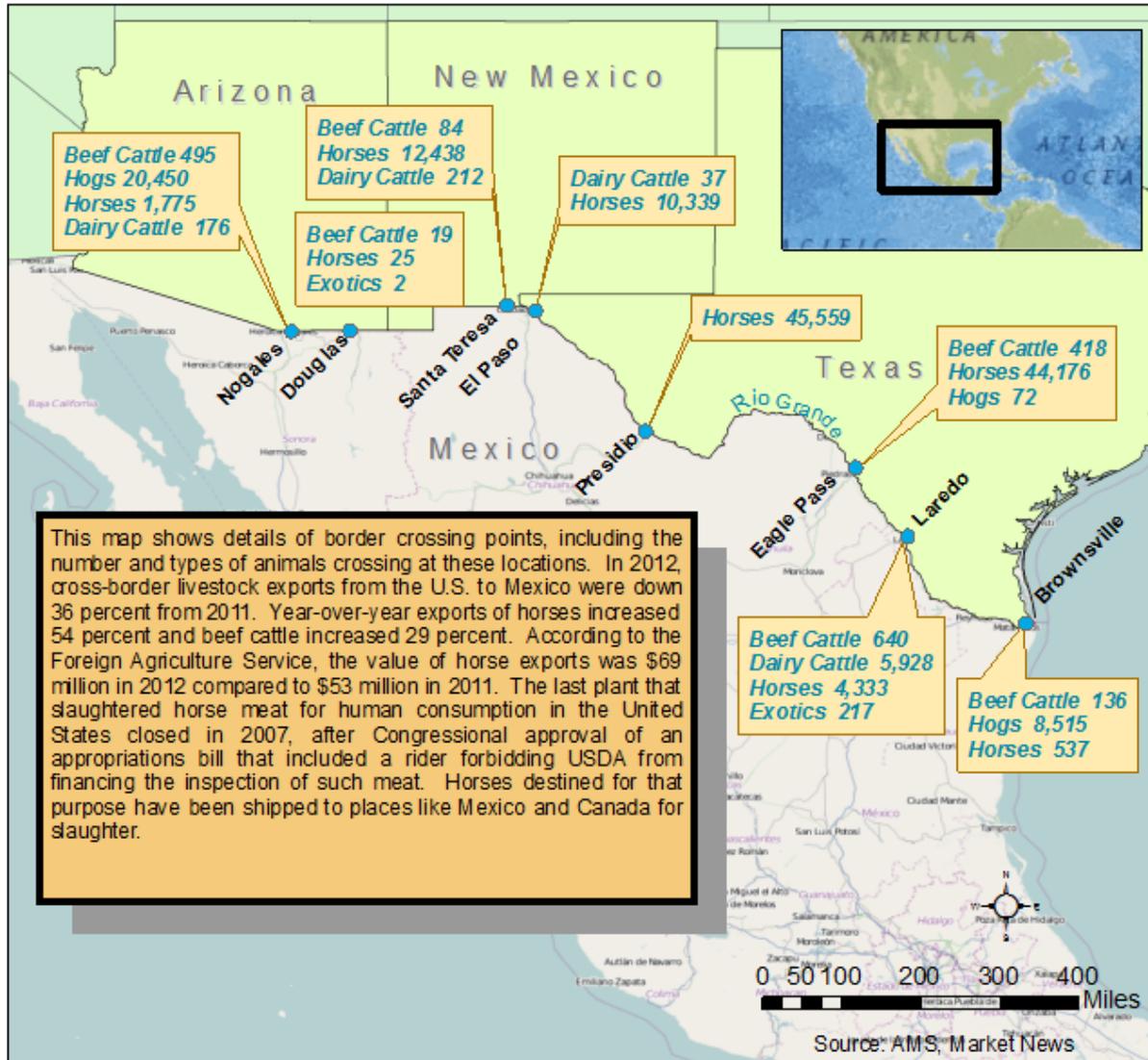




Table 2. Quarterly costs of transporting U.S. grain and soybeans to Mexico

-----2012-----										
	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	9.14	11.66	13.51	10.86	11.29	3.58	5.34	7.46	3.47	4.96
Rail ¹						87.78	88.01	86.22	87.65	87.42
Ocean ²	18.37	18.62	18.53	16.73	18.06					
Barge	19.38	16.11	21.69	29.26	21.61					
Total transportation cost	46.89	46.39	53.73	56.85	50.96	91.36	93.35	93.68	91.12	92.38
Farm price	248.81	252.35	285.55	271.51	264.56	241.98	247.89	287.39	272.43	262.42
Landed cost	295.70	298.74	339.28	328.36	315.52	333.34	341.24	381.07	363.55	354.80
Transport % of landed cost	15.9	15.5	15.8	17.3	16.2	27.4	27.4	24.6	25.1	26.1
	Soybeans									
Origin	IL					NE				
Truck	9.14	11.66	13.51	10.86	11.29	3.58	5.34	7.46	3.47	4.96
Rail ¹						89.88	89.89	88.05	91.79	89.90
Ocean ²	18.37	18.62	18.53	16.73	18.06					
Barge	19.38	16.11	21.69	29.26	21.61					
Total transportation cost	46.89	46.39	53.73	56.85	50.96	93.46	95.23	95.51	95.26	94.86
Farm price	460.52	519.31	557.28	531.56	517.17	440.92	502.16	558.50	516.86	504.61
Landed cost	507.41	565.70	611.01	588.41	568.13	534.38	597.39	654.01	612.12	599.47
Transport % of landed cost	9.2	8.2	8.8	9.7	9.0	17.5	15.9	14.6	15.6	15.8
	Wheat									
Origin	KS					KS				
Truck	18.44	22.24	29.38	26.85	24.23	3.58	5.34	7.46	3.47	4.96
Rail ¹						84.71	84.20	82.49	83.71	83.78
Ocean ²	18.37	18.62	18.53	16.73	18.06					
Barge	12.53	10.38	18.69	23.79	16.35					
Total transportation cost	49.34	51.24	66.60	67.37	58.64	88.29	89.54	89.95	87.18	88.74
Farm price	249.61	234.91	303.63	309.26	274.35	249.61	234.91	303.63	309.26	274.35
Landed cost	298.95	286.15	370.23	376.63	332.99	337.90	324.45	393.58	396.44	363.09
Transport % of landed cost	16.5	17.9	18.0	17.9	17.6	26.1	27.6	22.9	22.0	24.4

¹Rail 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.

² Source: O'Neil Commodity Consulting, Inc.

Rail rates include fuel surcharges.



Table 3. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2012

Commodity	Origin state	Destination	Tariff rate/car ¹				Fuel surcharge per car ²					
			1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	7,741	7,741	7,741	7,741	7,741	568	638	536	643	596
	OK	Cuautitlan, EM	6,766	6,815	6,837	6,837	6,813	595	741	651	781	692
	KS	Guadalajara, JA	7,411	7,422	7,444	7,444	7,430	880	818	629	755	770
	TX	Salinas Victoria, NL	3,703	3,710	3,725	3,680	3,704	242	285	245	294	267
Corn	IA	Guadalajara, JA	7,699	7,699	7,699	7,699	7,699	892	915	740	888	859
	SD	Penjamo, GJ	7,776	7,776	7,776	7,496	7,706	743	835	701	842	780
	NE	Queretaro, QA	7,048	7,065	7,097	7,153	7,091	766	805	657	788	754
	SD	Salinas Victoria, NL	5,650	5,650	5,974	5,700	5,744	565	634	533	640	593
	MO	Tlalnepantla, EM	6,263	6,428	6,538	6,592	6,455	746	783	638	766	733
	SD	Torreon, CU	6,522	6,522	6,522	6,522	6,522	623	699	587	705	653
Soybeans	MO	Bojay (Tula), HG	6,946	7,126	7,350	7,580	7,251	777	782	624	749	733
	NE	Guadalajara, JA	7,904	7,904	7,904	8,134	7,962	892	894	714	856	839
	IA	El Castillo, JA	8,255	8,255	8,255	8,555	8,330	739	829	697	836	775
	KS	Torreon, CU	6,396	6,421	6,421	6,651	6,472	608	574	443	531	539
Sorghum	OK	Cuautitlan, EM	5,670	5,670	5,730	5,730	5,700	564	633	532	639	592
	TX	Guadalajara, JA	6,653	6,653	6,653	6,653	6,653	484	543	456	548	508
	NE	Penjamo, GJ	7,433	7,426	7,426	7,100	7,346	834	810	637	764	761
	KS	Queretaro, QA	6,353	6,425	6,460	6,460	6,424	528	512	400	480	480
	NE	Salinas Victoria, NL	5,103	5,128	5,153	5,178	5,140	502	559	468	562	523
	NE	Torreon, CU	6,068	6,068	6,068	6,068	6,068	646	652	523	627	612

¹Rates 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.

²Approximate 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 tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2012

			Tariff ¹ plus fuel surcharge per:									
			US\$/metric ton					US\$/bushel ²				
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	84.90	85.61	84.57	85.61	85.17	2.31	2.33	2.30	2.33	2.32
	OK	Cuautitlan, EM	75.21	77.20	76.50	77.77	76.67	2.04	2.10	2.08	2.11	2.08
	KS	Guadalajara, JA	84.71	84.20	82.49	83.71	83.78	2.30	2.29	2.24	2.28	2.28
	TX	Salinas Victoria, NL	40.31	40.83	40.56	40.58	40.57	1.10	1.11	1.10	1.10	1.10
Corn	IA	Guadalajara, JA	87.78	88.01	86.22	87.65	87.41	2.23	2.23	2.19	2.22	2.22
	SD	Penjamo, GJ	87.05	87.98	86.62	85.12	86.69	2.21	2.23	2.20	2.16	2.20
	NE	Queretaro, QA	79.84	80.41	79.22	81.08	80.14	2.03	2.04	2.01	2.06	2.03
	SD	Salinas Victoria, NL	63.50	64.21	66.49	64.72	64.73	1.61	1.63	1.69	1.64	1.64
	MO	Tlalneantla, EM	71.62	73.67	73.33	75.11	73.43	1.82	1.87	1.86	1.91	1.86
	SD	Torreon, CU	73.00	73.78	72.64	73.78	73.30	1.85	1.87	1.84	1.87	1.86
Soybeans	MO	Bojay (Tula), HG	78.91	80.81	81.48	85.04	81.56	2.15	2.20	2.22	2.31	2.22
	NE	Guadalajara, JA	89.88	89.89	88.05	91.79	89.90	2.44	2.44	2.39	2.50	2.44
	IA	Penjamo (Celaya), GJ	91.90	92.82	91.47	95.89	93.02	2.50	2.52	2.49	2.61	2.53
	KS	Torreon, CU	71.57	71.47	70.13	73.34	71.63	1.95	1.94	1.91	1.99	1.95
Sorghum	OK	Cuautitlan, EM	63.70	64.41	63.99	65.02	64.28	1.62	1.63	1.62	1.65	1.63
	TX	Guadalajara, JA	72.92	73.53	72.64	73.53	73.15	1.85	1.87	1.84	1.87	1.86
	NE	Penjamo, GJ	84.47	84.15	82.38	80.28	82.82	2.14	2.14	2.09	2.04	2.10
	KS	Queretaro, QA	70.30	70.88	70.09	70.87	70.53	1.78	1.80	1.78	1.80	1.79
	NE	Salinas Victoria, NL	57.26	58.10	57.43	58.60	57.85	1.45	1.47	1.46	1.49	1.47
	NE	Torreon, CU	68.60	68.67	67.34	68.36	68.24	1.74	1.74	1.71	1.73	1.73

¹Rates 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.

²Approximate 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 5. Tariff Rail Rates for U.S. Distillers' Dried Grains (DDGS) Shipments to Mexico Destinations (US\$/metric ton), 2012

Origin BEA ²	Border Crossing	Destination	Tariff rate/metric ton ¹					Fuel surcharge/metric ton				
			1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Des Moines, IA	Eagle Pass	Guadalajara, JA	97.36	97.36	97.36	97.64	97.43	13.00	13.78	13.23	14.36	13.59
	El Paso	Guadalajara, JA	97.20	97.20	97.20	97.20	97.20	12.97	13.73	13.21	14.32	13.56
	Eagle Pass	Aguascalientes, AGS	88.55	88.55	88.55	88.83	88.62	11.27	12.00	11.39	12.45	11.78
	El Paso	Aguascalientes, AGS	88.78	88.78	88.78	88.78	88.78	11.31	12.03	11.46	12.49	11.82
	Eagle Pass	Yurecuaro, MIC	91.07	91.07	91.07	91.35	91.14	11.76	12.51	11.92	13.00	12.30
	El Paso	Yurecuaro, MIC	91.34	91.34	91.34	91.34	91.34	11.81	12.55	11.99	13.05	12.35
	Eagle Pass	Torreon, COA	83.46	83.46	83.46	83.74	83.53	10.27	10.98	10.33	11.35	10.73
	El Paso	Torreon, COA	83.63	83.63	83.63	83.63	83.63	10.30	10.99	10.38	11.38	10.76
Minneapolis, MN	Eagle Pass	Guadalajara, JA	105.70	105.70	105.70	105.70	105.70	14.42	15.42	14.52	16.02	15.09
	El Paso	Guadalajara, JA	104.12	104.12	104.12	104.40	104.19	13.73	14.58	13.94	15.16	14.35
	Eagle Pass	Aguascalientes, AGS	96.89	96.89	96.89	96.89	96.89	12.68	13.64	12.68	14.11	13.28
	El Paso	Aguascalientes, AGS	95.70	95.70	95.70	95.98	95.77	12.08	12.88	12.19	13.34	12.62
	Eagle Pass	Yurecuaro, MIC	99.41	99.41	99.41	99.41	99.41	13.18	14.15	13.21	14.66	13.80
	El Paso	Yurecuaro, MIC	98.26	98.26	98.26	98.54	98.33	12.58	13.40	12.72	13.89	13.15
	Eagle Pass	Torreon, COA	91.80	91.80	91.80	91.80	91.80	11.68	12.61	11.62	13.01	12.23
	El Paso	Torreon, COA	90.55	90.55	90.55	90.83	90.62	11.06	11.84	11.11	12.22	11.56
Sioux Falls, SD	Eagle Pass	Guadalajara, JA	105.87	105.87	105.87	105.87	105.87	13.58	14.48	13.73	15.09	14.22
	El Paso	Guadalajara, JA	105.93	105.93	105.93	105.93	105.93	13.19	14.03	13.37	14.64	13.81
	Eagle Pass	Aguascalientes, AGS	97.06	97.06	97.06	97.06	97.06	11.85	12.71	11.90	13.18	12.41
	El Paso	Aguascalientes, AGS	97.51	97.51	97.51	97.51	97.51	11.53	12.33	11.62	12.81	12.07
	Eagle Pass	Yurecuaro, MIC	99.58	99.58	99.58	99.58	99.58	12.35	13.21	12.42	13.72	12.93
	El Paso	Yurecuaro, MIC	100.07	100.07	100.07	100.07	100.07	12.04	12.84	12.15	13.37	12.60
	Eagle Pass	Torreon, COA	91.97	91.97	91.97	91.97	91.97	10.85	11.68	10.84	12.07	11.36
	El Paso	Torreon, COA	92.36	92.36	92.36	92.36	92.36	10.52	11.29	10.55	11.70	11.01

¹ 1 to 24 railcars per shipment. C-114 heavy axle load railcars loaded to 90 metric tons per railcar.

² Business Economic Areas (BEA) as defined by the Department of Commerce.

Sources: Gavilon de Mexico S.A. de C.V. for the Mexican portion of the rates and BNSF Railway and Union Pacific Railroad for the U.S. portion of the rates.



Quarterly Bulk Grain and Soybeans

Table 6. 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
2008	247	284	332	325	1,188
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

*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 7. 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

Source: O'Neil Commodity Consulting



Table 8. U.S. livestock exports to Mexico by border crossing* (head) January-December 2012

Border Crossing	NM	AZ	TX	Total
Beef cattle				
Slaughter	0	0	0	0
Breeding males	68	117	325	510
Breeding females	9	397	813	1,219
Total beef	17	47	108	172
Hogs				
Slaughter	0	0	0	0
Breeding males	0	995	1,184	2,179
Breeding females	0	19,455	7,818	27,273
Total hogs	0	20,450	9,002	29,452
Sheep				
Slaughter lambs	0	0	0	0
Slaughter ewes	0	0	0	0
Breeding males	0	0	0	0
Breeding females	0	0	18	18
Total sheep	0	0	18	18
Dairy cattle				
Breeding males	0	16	10	26
Breeding females	1,016	212	3,618	4,846
Total dairy	1,016	228	3,628	4,872
Goats				
Angora	0	0	0	0
Spanish	0	0	0	0
Other	0	0	0	0
Total goats	0	0	0	0
Horses				
Slaughter	9,568	0	101,005	110,573
Breeding males	1,056	753	1,680	3,489
Breeding females	1,422	825	2,218	4,465
Geldings	383	218	422	1,023
Burro/mule/pony	0	4	441	445
Total horses	12,429	1,800	105,766	119,995
Exotics**	0	2	154	156
Grand total	13,522	22,994	119,706	156,222

*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 9. Fruit and vegetable truck rates for selected U.S.-Mexico border crossing* (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

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



Table 10. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 4th quarter, 2012

Legend:		Truck availability													
														1 = Surplus	2 = Slight Surplus
3 = Adequate		4 = Slight Shortage													
5 = Shortage															
Mexico border crossings/month		October					November				December				
Week		10/2	10/9	10/16	10/23	10/30	11/6	11/13	11/20	11/27	12/4	12/11	12/18	12/26	
Through TX	Broccoli				3	3	3	4	5	4	3	3	3	4	
	Carrots	3	3	3	3	3	3	4	5	4	3	3	3	4	
	Citrus	3	3	3	3	3	3	4	5	4	3				
	Limes											3	3	4	
	Mixed Fruit and Vegetables	3	3	3	3	3	3	4	5	4	3	3	3	4	
	Plum Tomatoes	3	3	3	3	3	3	4	5	4	3	3	3	4	
	Watermelons													4	
Through Nogales, AZ	Melons				2	1	1	5	3	3	2	2	1	5	
	Mixed Vegetables				2	1	1	5	3	3	2	2	1	5	
	Tomatoes										2	2	1	5	

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



Table 11. Top ten commodities shipped to the U.S. from Mexico (10,000 lbs)

Commodity	4th quarter 2012	Rank
Tomatoes	57,099	1
Peppers, Hot	33,073	2
Avocados	31,794	3
Cucumbers	30,383	4
Limes	21,662	5
Squash	19,556	6
Watermelons	19,439	7
Peppers, Bell	19,082	8
Green Onions	8,744	9
Broccoli	8,660	10

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



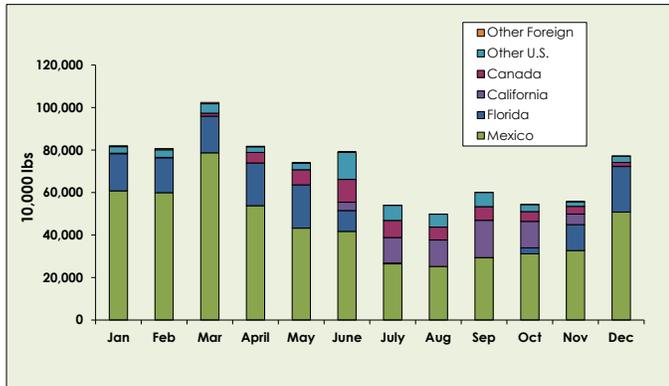
Table 12. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)

Commodity	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Total 2009
Tomatoes, Plum	62,337	64,976	21,173	44,530	193,016
Peppers	43,303	23,396	21,903	33,946	122,548
Watermelon, Seedless	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
Subtotal	177,601	195,065	76,790	149,452	598,908
Other	181,069	143,027	80,567	129,714	534,377
Total	181,069	338,092	157,357	279,166	955,684
Commodity	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total 2010
Tomatoes, Plum	113,379	77,048	34,226	43,291	267,944
Peppers	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
Subtotal	249,992	157,825	73,569	144,160	625,546
Other	178,749	264,046	116,397	133,112	692,304
Total	428,741	421,871	189,966	277,272	1,317,850
Commodity	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Total 2011
Tomatoes	93,831	61,825	40,136	40,329	236,121
Peppers	49,137	27,150	21,775	30,018	128,080
Cucumbers	31,749	27,481	9,879	22,275	91,384
Onions	30,159	20,994	6,747	7,090	64,990
Watermelon	25,181	66,908	3,082	14,777	109,948
Subtotal	230,057	204,358	81,619	114,489	630,523
Other	181,726	199,596	109,240	103,717	594,279
Total	411,783	403,954	190,859	218,206	1,224,802
Commodity	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Total 2012
Tomatoes	99,264	69,282	41,120	57,099	266,765
Peppers	56,506	33,399	25,990	33,073	148,968
Cucumbers	42,668	25,798	11,919	30,383	110,768
Onions	29,949	20,020	8,122	8,744	66,835
Squash	26,776	16,033	3,401	19,556	65,766
Subtotal	255,163	164,532	90,552	148,855	659,102
Other	200,550	256,945	122,889	190,616	771,000
Total	455,713	421,477	213,441	339,471	1,430,102

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

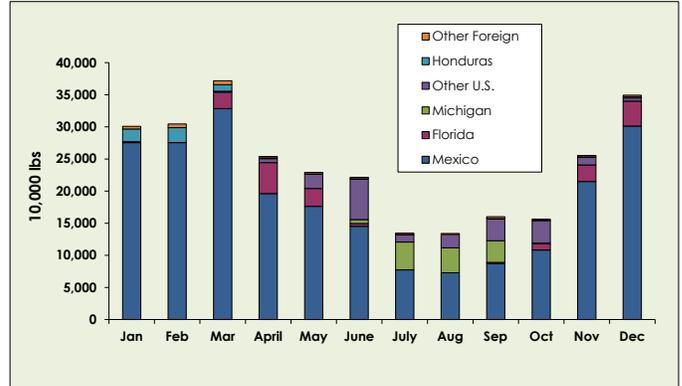


Figure 6. Monthly U.S. shipments of domestic and imported plum tomatoes, 2012



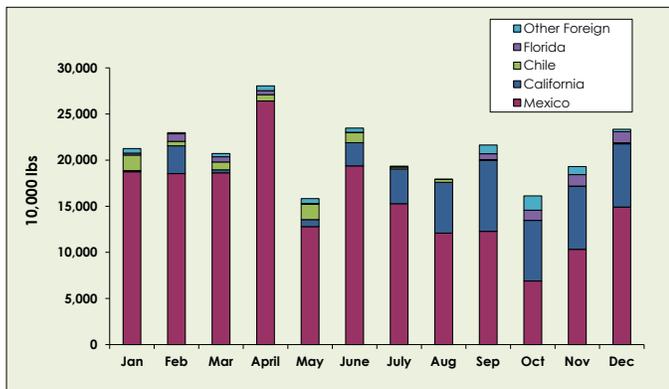
Source: Agricultural Marketing Service (AMS), USDA

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



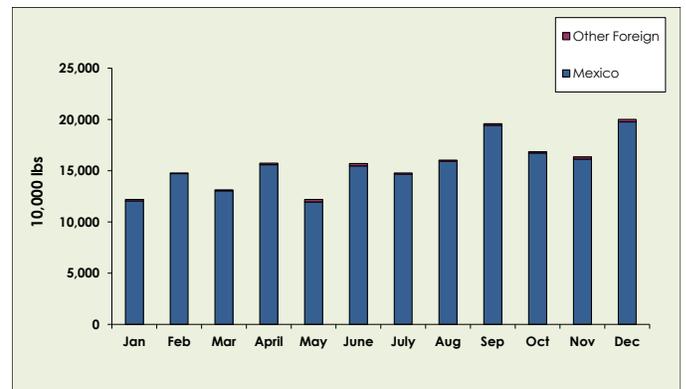
Source: Agricultural Marketing Service (AMS), USDA

Figure 8. Monthly U.S. shipments of domestic and imported avocados, 2012



Source: Agricultural Marketing Service (AMS), USDA

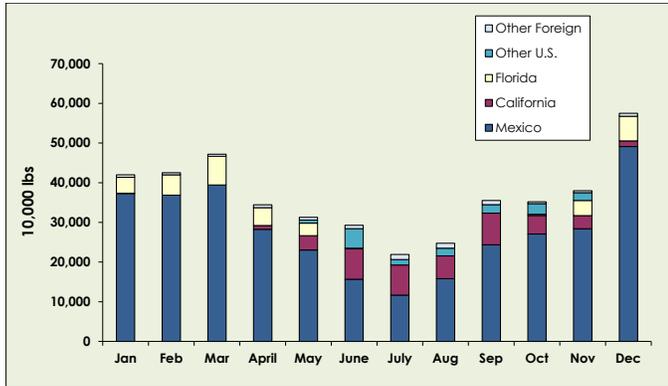
Figure 9. Monthly U.S. shipments of domestic and imported limes, 2012



Source: Agricultural Marketing Service (AMS), USDA

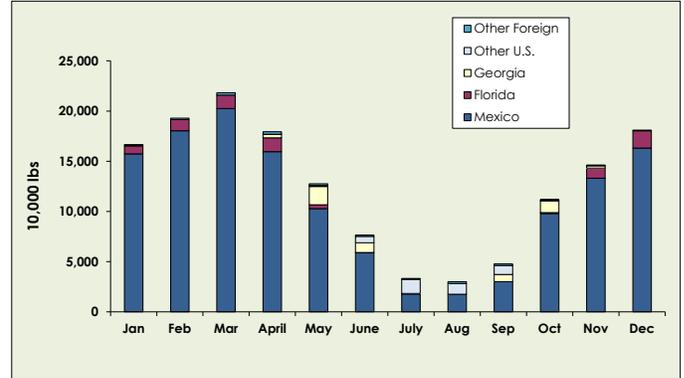


Figure 10. Monthly U.S. shipments of domestic and imported peppers (all varieties of bell & chili), 2012



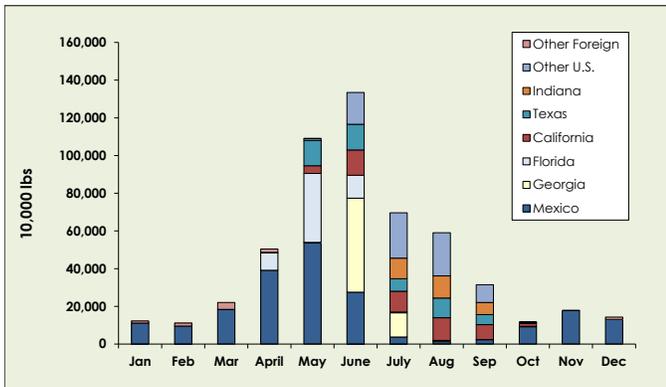
Source: Agricultural Marketing Service (AMS), USDA

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



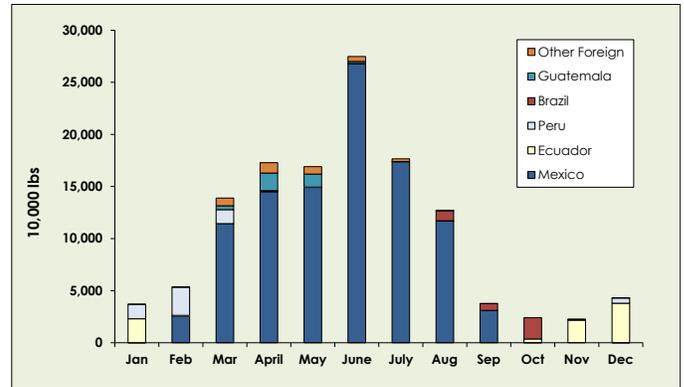
Source: Agricultural Marketing Service (AMS), USDA

Figure 12. Monthly U.S. shipments of domestic and imported watermelons (all varieties), 2012



Source: Agricultural Marketing Service (AMS), USDA

Figure 13. Monthly U.S. shipments of domestic and imported mangoes, 2012



Source: Agricultural Marketing Service (AMS), USDA



Table 13. Top ten U.S. containerized agricultural exports to Mexico*, 2012

1st qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Vegetables	4,235	168	32	1
	Tobacco products	1,638	166	13	2
	Dextrose, glucose	1,046	66	8	3
	Coffee	945	57	7	4
	Dairy products	640	88	5	5
	Wine	639	74	5	6
	Beer, ale	371	23	3	7
	Grocery items	371	38	3	8
	Bulbs & seeds	362	25	3	9
	Edible nuts	300	41	2	10
Subtotal		10,547	746	81	
Other		2,499	231	19	
Total Exports		13,046	977	100	
2nd qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Dextrose, glucose	5,171	196	39	1
	Tobacco products	1,398	151	10	2
	Dairy products	1,000	58	7	3
	Grocery items	826	102	6	4
	Cheese, edam, gouda	745	41	6	5
	Fruit	491	42	4	6
	Liquor, bitters	442	51	3	7
	Wine	426	29	3	8
	Vegetables	353	33	3	9
	Tomatoes, prepared	324	19	2	10
Subtotal		11,175	722	83	
Other		2,246	225	17	
Total Exports		13,421	946	100	

*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



Table 13. Top ten U.S. containerized agricultural exports to Mexico*, 2012 (continued)

3rd qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Dextrose, glucose	14,225	540	34	1
	Dairy products	3,637	214	9	2
	Tobacco products	3,036	317	7	3
	Grocery items	2,676	356	6	4
	Fruit	2,440	235	6	5
	Cheese, edam, gouda	1,784	105	4	6
	Vegetables	1,678	166	4	7
	Wine	1,475	93	4	8
	Liquor, bitters	1,361	154	3	9
	Tomatoes, prepared	1,091	66	3	10
Subtotal		33,402	2,246	80	
Other		8,592	832	20	
Total Exports		41,995	3,078	100	
4th qtr	Commodity	Quantity (mt)	# of TEUs**	Percentage share	Rank
	Dextrose, glucose	4,043	156	24	1
	Dairy products	2,155	123	13	2
	Tobacco products	1,466	146	9	3
	Fruit	1,108	127	7	4
	Grocery items	953	125	6	5
	Edible nuts	926	99	6	6
	Bitters, Brandy, Spirits	769	90	5	7
	Vegetables	757	89	5	8
	Beverages	730	73	4	9
	Frozen fish	628	63	4	10
Subtotal		13,534	1,091	82	
Other		2,974	281	18	
Total Exports		16,507	1,372	100	

*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



Table 14. 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
Subtotal	7,027,081	7,861,065	93	
Other	713,369	546,693	7	
Total Exports	7,740,450	8,407,757	100	

*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 15. 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
Subtotal	7,528,783	8,146,756	97	
Other	211,667	261,002	3	
Total Exports	7,740,450	8,407,757	100	

*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 16. 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
Subtotal	4,612	3,299	74	
Other	1,677	1,151	26	
Total Exports	6,289	4,450	100	

*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. 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	Lázaro Cárdenas	-	-	-
Pacific Northwest		35	-	-
West Coast		1,058	760	-28
East Coast		4	6	50
Subtotal		1,097	766	-30.2
U.S. Gulf	Merida	700	728	4
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		-	-	-
Subtotal		700	728	3.9
U.S. Gulf	Manzanillo	-	4	-
Pacific Northwest		865	65	-92
West Coast		1,139	525	-54
East Coast		100	61	-40
Subtotal		2,104	654	-69
U.S. Gulf	Altamira	-	26	-
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		866	471	-46
Subtotal		866	471	-46
U.S. Gulf	Puerto Morelos	-	-	-
Pacific Northwest		-	-	-
West Coast		-	-	-
East Coast		271	488	80
Subtotal		271	488	80
Total of Top 5 Ports		5,038	3,107	(38.3)
Other Ports		1,251	1,343	7.4
TOTAL		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 18. 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
Subtotal	5,038	3,133	70	
Other	1,251	1,317	30	
Total Exports	6,289	4,450	100	

*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 19. U.S. agricultural container exports to Mexico by port*, 2011-2012

Mexican Port	2011 4th qtr	2012 4th qtr	% Change	YTD 2011	YTD 2012	% Change
	# of TEUs**			# of TEUs**		
Lazaro Carden	263	327	24	1,097	766	-30
Manzanillo	173	221	28	2,104	654	-69
Altamira	106	175	65	866	497	-43
Merida	148	159	8	700	728	4
Progreso	55	147	167	173	348	101
Subtotal	745	1,028	38	4,940	2,992	-39
Other	299	344	15	1,349	1,457	8
Total	1,045	1,372	31	6,289	4,450	-29

*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



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Related Websites:

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



Data Sets:

- ◆ Figure 1: Average landed cost of U.S. corn, soybeans and wheat to Veracruz, Mexico during 2011-2012
- ◆ Figure 2: Average landed cost of U.S. corn, soybeans and wheat to Guadalajara, Mexico during 2011-2012
- ◆ Figure 3: Bulk ocean freight rates from the U.S. Gulf to Veracruz, Mexico, 2008-2012
- ◆ Figure 4: Livestock border crossing (head count), 2008-2012
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- ◆ Figure 6: Monthly U.S. shipments of domestic and imported plum tomatoes, 2012
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- ◆ Table 1: Average cost of transporting U.S. grain and soybeans to Mexico, 2010-2012
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- ◆ Table 5: Tariff Rail Rates for U.S. Distillers' Dried Grains (DDGS) Shipments to Mexico Destinations (US\$/metric ton), 2012
- ◆ Table 6: Quarterly exports of U.S. Distillers' Dried Grains with Soluble (DDGS) to Mexico
- ◆ Table 7: Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico (US\$/metric ton)
- ◆ Table 8: U.S. livestock exports to Mexico by border crossing (head) January-December 2012
- ◆ Table 9: Fruit and vegetable truck rates for selected U.S.-Mexico border crossing* (US\$/mile)
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- ◆ Table 11: Top ten commodities shipped to the U.S. from Mexico (10,000 lbs)
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- ◆ Table 13: Top ten U.S. containerized agricultural exports to Mexico, 2012
- ◆ Table 14: Top five U.S. bulk agricultural exports to Mexico, 2011-2012
- ◆ Table 15: U.S. bulk agricultural exports to Mexico by receiving port, 2011-2012
- ◆ Table 16: Top ten U.S. agricultural container exports to Mexico, 2011-2012
- ◆ Table 17: Top 5 U.S. agricultural container shipments to Mexico by port, 2011-2012
- ◆ Table 18: U.S. agricultural container exports to Mexico by port, 2011-2012
- ◆ Table 19: U.S. agricultural container exports to Mexico by port, 2011-2012

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