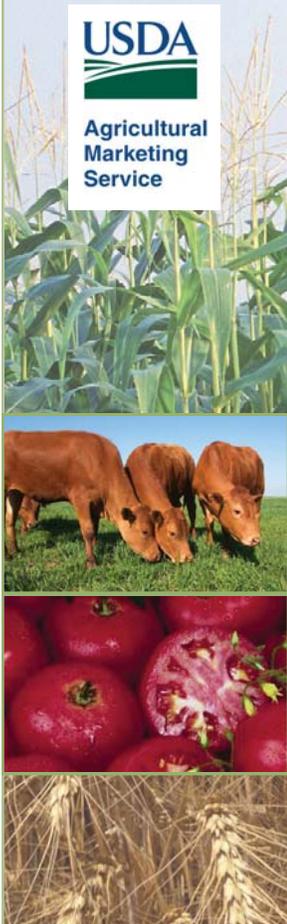


Mexico Transport Cost Indicator Report



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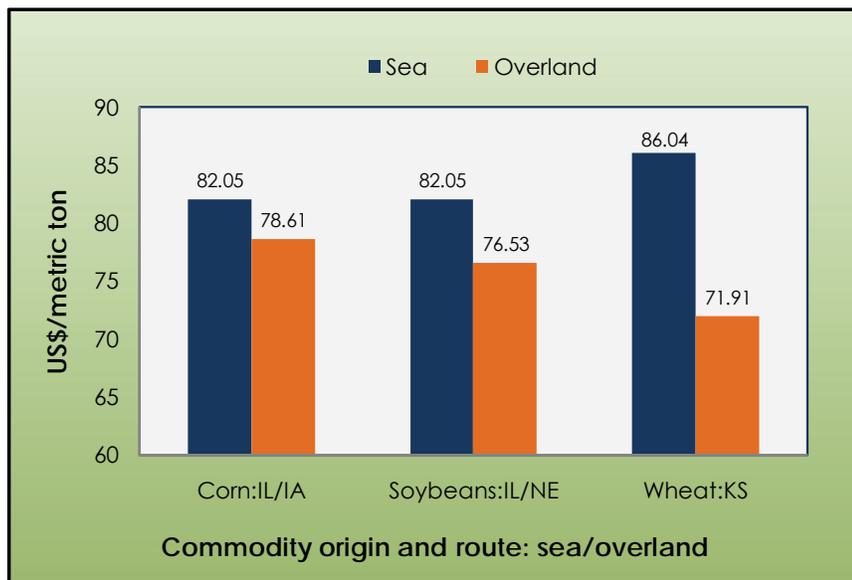
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Mexican Government Increases Penalties for Thefts from Railcars. On June 18, 2010, the Mexican government increased penalties for individuals convicted of stealing rail cargo or infrastructure. The new penalties, which were passed in April, aim to reduce the mounting pilfering of goods and equipment from Ferromex and Kansas City Southern de Mexico, the two major Mexican railroads. In the first month of 2009 alone, robbers stole 700 tons of grain ([Grupo T21, April 19, 2009](#)). The new legislation will increase minimum jail time for theft of railroad equipment to 7 years and the maximum to 30 years. Railroads are hoping that these more stringent penalties will deter future thefts. In response to the rising crime, railroads had threatened to cancel insurance for their goods and only compensate shippers 20 percent of the original value of goods in case of theft ([El Universal, April 29, 2010](#)). However, in the wake of the new legislation, railroads have pledged additional funds for security. Ferromex has earmarked 180 million pesos for the acquisition of high-tech cameras and the recruitment of additional security personnel ([Grupo T21, July 9, 2010](#)).

Figure 1. Average cost of shipping U.S. corn, wheat, and soybeans to Guadalajara, Mexico, by route, April-June, 2010



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

Grain and Soybeans

- Rail.** For the second straight quarter rail rates were impacted by large fuel surcharge increases but only small tariff rate increases. Second quarter average total rail rates (tariff rate plus fuel surcharge) from the United States to selected Mexican destinations increased by 10 percent from the second quarter 2009. Tariff rail rates rose slightly from the previous quarter, and 3.4 percent from the same time last year.



- **Service Delays to and from the United States/Mexico Border:** Kansas City Southern de Mexico and Ferromex, battled flooding from Hurricane Alex and Tropical Depression 2 for part of June and most of July. The storms and flooding resulted in embargoes and track outages along three of the major cross border gateways; Laredo, Eagle Pass, and Brownsville, TX. The embargoes re-routed heavy traffic over the El Paso, TX, gateway, which caused backups and delays there. At the time of publication, embargoes no longer remained in place at any of the gateways, but railroads were still clearing backlogged traffic.
- **Ocean Rates:** Ocean freight rates for shipping 25,000 metric tons (mt) of bulk grain from the United States to Mexico averaged \$28.83 per mt during the 2nd quarter of 2010—a 3 percent increase over the 1st quarter, 2010, and 36 percent over the 2nd quarter, 2009. The cost of shipping 35,000 mt of grain was \$22.34 per mt—8 percent more than the 1st quarter, 2010 and 45 percent more than the 2nd quarter, 2009. The jump was due to strong global demand for bulk shipment during the quarter, pushed up by coal and iron ore imports to China and grain shipments out of South America.

Fruit and Vegetables

Truck shortages during the first 2 weeks of May and June and the last weeks of April, May, and June at the Pharr, TX, border crossing caused an 18 percent increase in truck rates over the same quarter last year. Truck rates in this area averaged \$2.02 per mile. Rates for border crossings through Nogales, AZ, averaged \$2.25 per mile, 14 percent more than last quarter, and 12 percent from the same quarter last year. Texas is the leading American State in surface trade with Mexico. Major Texas lands ports include Laredo, El Paso, Hidalgo, Eagle Pass, Brownsville, and Del Rio. During 2009, Hidalgo was the fourth largest U.S. land port ([RITA, U.S. DOT, May 2010](#)).

Livestock

U.S. Livestock Export to Mexico Have Increased. Exports to Mexico were 47 percent higher in the second quarter of this year than the second quarter in 2009, with the livestock headcount climbing from 33,266 to 48,468. Proportionately, the largest increase came from Texas and New Mexico where exports increased 44 percent and 70 percent, respectively. Comparing quarter-over-quarter, sheep (slaughter ewes) and dairy cattle (breeding females) represented the bulk of the increase.

Ocean Container Shipments

Agricultural Ocean Container Shipments to Mexico Continue to Increase. After a strong 2009 in which containerized exports to Mexico increased 48 percent, shipments continued to rise in the first quarter of 2010. Containerized exports increased 9 percent from a year ago, driven by a boost in demand for U.S. vegetables. Vegetable exports, which more than tripled from the same quarter last year, became the leading containerized agricultural product shipped to Mexico followed by dairy products. While Manzanillo remained the largest receiving port of U.S. containerized agricultural cargo, handling 2,279 twenty foot equivalent units (TEUs) in 2009, Lazaro Cardenas became the second largest receiving port, after not even appearing among the top five receiving ports in 2008. Lazaro Cardenas received 1,524 TEUs of U.S. containerized agricultural products in 2009, 3 percent more than total number of TEUs handled by Manzanillo in 2008.



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

-----2010-----										
	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				
Corn										
Origin	IL					IA				
Truck	10.46	8.66			9.56	5.00	4.23			4.62
Rail ¹	39.01	40.09			39.55	73.61	76.25			74.93
Ocean ²	20.75	22.34			21.55					
Barge	18.08	16.17			17.13					
Total transportation cost	88.30	87.26			87.78	78.61	80.48			79.55
Farm value	139.63	135.43			137.53	144.87	136.34			140.61
Landed cost	227.93	222.69			225.31	223.48	216.82			220.15
Transport % of landed cost	38.7	39.2			39.0	35.2	37.1			36.1
Soybeans										
Origin	IL					NE				
Truck	10.46	8.66			9.56	5.00	4.23			4.62
Rail ¹	39.01	40.09			39.55	71.53	74.83			73.18
Ocean ²	20.75	22.34			21.55					
Barge	18.08	16.17			17.13					
Total transportation cost	88.30	87.26			87.78	76.53	79.06			77.80
Farm value	354.09	350.41			352.25	344.90	341.84			343.37
Landed cost	442.39	437.67			440.03	421.43	420.90			421.17
Transport % of landed cost	20.0	19.9			19.9	18.2	18.8			18.5
Wheat										
Origin	KS					KS				
Truck	21.29	24.54			22.92	5.00	4.23			4.62
Rail ¹	39.01	40.09			39.55	68.16	72.54			70.35
Ocean ²	20.75	22.34			21.55					
Barge	11.24	9.64			10.44					
Total transportation cost	92.29	96.61			94.45	73.16	76.77			74.97
Farm value	162.53	151.02			156.78	162.53	151.02			156.78
Landed cost	254.82	247.63			251.23	235.69	227.79			231.74
Transport % of landed cost	36.2	39.0			37.6	31.0	33.7			32.4

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.
 Rail rates include fuel surcharges

²Source: O'Neil Commodity Consulting, Inc.



Table 2. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2010

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	6,262	6,291			6,277	627	721			674
	OK	Cuautitlan, EM	5,712	5,770			5,741	477	546			512
	KS	Guadalajara, JA	6,182	6,276			6,229	489	823			656
	TX	Salinas Victoria, NL	3,139	3,200			3,169	155	176			166
Corn	IA	Guadalajara, JA	6,637	6,670			6,653	568	792			680
	SD	Penjamo, GJ	6,440	6,440			6,440	821	925			873
	NE	Queretaro, QA	6,150	6,130			6,140	461	523			492
	SD	Salinas Victoria, NL	4,570	4,570			4,570	624	677			650
	MO	Tlalnepantla, EM	5,340	5,318			5,329	449	509			479
	SD	Torreon, CU	5,330	5,330			5,330	687	762			725
Soybeans	MO	Bojay (Tula), HG	5,994	6,049			6,021	488	704			596
	NE	Guadalajara, JA	6,442	6,550			6,496	559	774			667
	IA	Penjamo (Celaya), GJ	6,590	6,657			6,623	815	934			875
	KS	Torreon, CU	5,180	5,238			5,209	368	521			444
Sorghum	OK	Cuautitlan, EM	4,349	4,339			4,344	623	676			649
	TX	Guadalajara, JA	5,283	5,350			5,317	534	735			634
	NE	Penjamo, GJ	6,395	6,395			6,395	511	727			619
	KS	Queretaro, QA	5,423	5,398			5,410	356	402			379
	NE	Salinas Victoria, NL	4,319	4,282			4,300	372	416			394
	NE	Torreon, CU	5,240	5,240			5,240	421	553			487

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 3. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico, 2010

Commodity	Origin state	Destination	US\$/metric ton				US\$/bushel ²					
			1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
Wheat	MT	Chihuahua, CI	70.39	71.65			71.02	1.91	1.95			1.93
	OK	Cuautitlan, EM	63.24	64.53			63.89	1.72	1.75			1.74
	KS	Guadalajara, JA	68.16	72.54			70.35	1.85	1.97			1.91
	TX	Salinas Victoria, NL	33.66	34.49			34.08	0.92	0.94			0.93
Corn	IA	Guadalajara, JA	73.61	76.25			74.93	1.87	1.93			1.90
	SD	Penjamo, GJ	74.19	75.25			74.72	1.88	1.91			1.90
	NE	Queretaro, QA	67.55	67.97			67.76	1.71	1.72			1.72
	SD	Salinas Victoria, NL	53.07	53.61			53.34	1.35	1.36			1.35
	MO	Tlalnepantla, EM	59.15	59.53			59.34	1.50	1.51			1.51
	SD	Torreon, CU	61.48	62.25			61.86	1.56	1.58			1.57
Soybeans	MO	Bojay (Tula), HG	66.23	69.00			67.62	1.80	1.88			1.84
	NE	Guadalajara, JA	71.53	74.83			73.18	1.94	2.03			1.99
	IA	Penjamo (Celaya), GJ	75.67	77.56			76.61	2.06	2.11			2.08
	KS	Torreon, CU	56.68	58.84			57.76	1.54	1.60			1.57
Sorghum	OK	Cuautitlan, EM	50.80	51.24			51.02	1.29	1.30			1.29
	TX	Guadalajara, JA	59.44	62.17			60.80	1.51	1.58			1.54
	NE	Penjamo, GJ	70.57	72.77			71.67	1.79	1.85			1.82
	KS	Queretaro, QA	59.04	59.26			59.15	1.50	1.50			1.50
	NE	Salinas Victoria, NL	47.93	48.00			47.96	1.22	1.22			1.22
	NE	Torreon, CU	57.84	59.19			58.52	1.47	1.50			1.48

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 rail rates for U.S. Distillers' Dried Grains with Soluble (DDGS) shipments to the Mexico border (US\$/car), 2010

Origin state	Destination	Tariff rate/car ¹					Fuel surcharge per car				
		1st qtr	2nd qtr	3rd qtr	4th qtr	Avg	1st qtr	2nd qtr	3rd qtr	4th qtr	Avg
IA	Eagle Pass, TX	3,700	3,700			3,700	482	523			502
MN		4,000	4,100			4,050	611	663			637
NE		3,700	3,700			3,700	454	492			473
SD		4,000	4,017			4,008	570	618			594
IA	El Paso, TX	3,620	3,620			3,620	443	480			462
MN		3,920	4,020			3,970	599	607			603
NE		3,620	3,620			3,620	385	436			411
SD		3,920	3,937			3,928	513	563			538

¹Rates are based upon published tariff rates for unit trains. Unit trains are available for qualified shipments of 80-100 cars.
Source: www.bnsf.com

Table 5. 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
2007	164	170	184	190	708
2008	82	95	111	108	396
2009	105	126	124	132	486
2010	146				146

*Data are for brewers' and distillers' dregs and waste of which Distillers' Dried Grains with Soluble is a principal component
Source: USDA, Economic Research Service (ERS), Feed grains database

Table 6. 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	30.79	36.77	31.55	14.08	28.3
35-40,000	26.7	33.3	28.3	11.58	24.97
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			23.44
35-40,000	20.75	22.34			21.55

Source: O'Neil Commodity Consulting



Table 7. U.S. livestock exports to Mexico by border crossings*, April-June, 2010 (head)

Category					
Border Crossing	TX	NM	AZ	CA	Total
Beef cattle					
Slaughter	0	0	0	0	0
Breeding males	207	58	35	0	300
Breeding females	158	7	27	0	192
Total beef	365	65	62	0	492
Hogs					
Slaughter	0	0	0	0	0
Breeding males	134	0	0	0	134
Breeding females	640	0	182	0	822
Total hogs	774	0	182	0	956
Sheep					
Slaughter lambs	0	0	0	0	0
Slaughter ewes	25871	0	0	0	25,871
Breeding males	0	0	0	0	0
Breeding females	0	0	0	0	0
Total sheep	25871	0	0	0	25,871
Dairy cattle					
Breeding males	25	4	0	0	29
Breeding females	2,678	2,720	0	0	5,398
Total dairy	2,703	2,724	0	0	5,427
Goats					
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
Horses					
Slaughter	11,090	1,349	0	0	12,439
Breeding males	371	314	138	0	823
Breeding females	679	457	148	0	1,284
Geldings	145	149	23	0	317
Burro/mule/pony	29	0	0	0	29
Total horses	12,314	2,269	309	0	14,892
Exotics**	170	600	0	0	770
Grand total	42,257	5,658	553	0	48,468

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

Category	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total
Beef cattle					
Slaughter	0	0			0
Breeding males	128	207			335
Breeding females	137	158			295
Total beef	265	365			630
Hogs					
Slaughter	0	0			0
Breeding males	400	134			534
Breeding females	1,383	640			2,023
Total hogs	1,783	774			2,557
Sheep					
Slaughter lambs	0	0			0
Slaughter ewes	21,360	25,871			47,231
Breeding males	0	0			0
Breeding females	0	0			0
Total sheep	21,360	25,871			47,231
Dairy cattle					
Breeding males	14	25			39
Breeding females	3,862	2,678			6,540
Total dairy	3,876	2,703			6,579
Goats					
Angora	0	0			0
Spanish	375	60			435
Other	0	0			0
Total goats	375	60			435
Horses					
Slaughter	9,028	11,090			20,118
Breeding males	559	371			930
Breeding females	859	679			1,538
Geldings	150	145			295
Burro/mule/pony	25	29			54
Total horses	10,621	12,314			22,935
Exotics**	274	170			444
Grand total	38,554	42,257			80,811

*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. livestock exports to Mexico through New Mexico border crossing* (head)

Category	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total
Beef cattle					
Slaughter	0	0			0
Breeding males	38	58			96
Breeding females	0	7			7
Total beef	38	65			103
Hogs					
Slaughter	0	0			0
Breeding males	0	0			0
Breeding females	0	0			0
Total hogs	0	0			0
Sheep					
Slaughter lambs	0	0			0
Slaughter ewes	0	0			0
Breeding males	0	0			0
Breeding females	0	0			0
Total sheep	0	0			0
Dairy cattle					
Breeding males	0	4			4
Breeding females	4,658	2,720			7,378
Total dairy	4,658	2,724			7,382
Goats					
Angora	0	0			0
Spanish	0	0			0
Other	0	0			0
Total goats	0	0			0
Horses					
Slaughter	2,141	1,349			3,490
Breeding males	210	314			524
Breeding females	297	457			754
Geldings	104	149			253
Burro/mule/pony	0	0			0
Total horses	2,752	2,269			5,021
Exotics**	0	600			600
Grand total	7,448	5,658			13,106

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

Category	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total
Beef cattle					
Slaughter	0	0			0
Breeding males	34	35			69
Breeding females	16	27			43
Total beef	50	62			112
Hogs					
Slaughter	0	0			0
Breeding males	0	0			0
Breeding females	403	182			585
Total hogs	403	182			585
Sheep					
Slaughter lambs	0	0			0
Slaughter ewes	0	0			0
Breeding males	0	0			0
Breeding females	0	0			0
Total sheep	0	0			0
Dairy cattle					
Breeding males	0	0			0
Breeding females	39	0			39
Total dairy	39	0			39
Goats					
Angora	0	0			0
Spanish	0	0			0
Other	0	0			0
Total goats	0	0			0
Horses					
Slaughter	0	0			0
Breeding males	73	138			211
Breeding females	98	148			246
Geldings	19	23			42
Burro/mule/pony	0	0			0
Total horses	190	309			499
Exotics**	0	0			0
Grand total	682	553			1,235

*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



Fruit and Vegetables

Table 11. 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			
Pharr, Texas	1.70	2.02			

*Voluntarily reported to AMS, Market News

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



Table 12. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 2nd quarter, 2010

Legend:		Truck availability												
1 = Surplus	2 = Slight Surplus													
3 = Adequate	4 = Slight Shortage													
5 = Shortage														
Mexico border crossings/month		April				May				June				
Week		4/6	4/13	4/20	4/27	5/4	5/11	5/19	5/26	6/2	6/9	6/16	6/23	6/30
Through Pharr, TX	Citrus	3	4	4	5	5	5	4	5	5	5	3	3	5
	Avocados	3	4	4	5	5	5	4	5	5	5	3	3	5
	Mixed Fruits & Vegetables	3	4	4	5	5	5	4	5	5	5	3	3	5
	Watermelons													
	Mangoes	3	4	4	5	5	5	4	5	5	5	3	3	5
Through Nogales, AZ	Tomatoes	3	4	3	3	4	5	3	3	4	4	4	3	3
	Mixed Vegetables	3	4	3	3	4	5	3	3	4	4	4	3	3
	Melons	3	4	3	3	4	5	3	3	4	4	4	3	3
	Grapes						5	3	3	4	4	4	3	3
	Mangoes	3	4	3	3	4	5	3	3	4	4	4	3	3

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



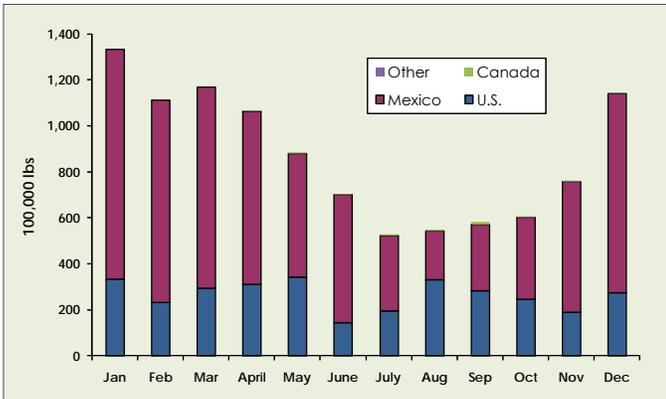
Table 13. Top five commodities shipped to the U.S. from Mexico (10,000 lbs.)

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
Total quarterly	340,399	329,776	137,054	225,293	1,032,522
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
Total quarterly	338,791	428,558	135,157	225,805	1,128,311
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
Other	181,069	143,027	80,567	129,714	534,377
Subtotal border crossing	177,601	195,065	76,790	149,452	598,908
Total quarterly	358,670	338,092	157,357	279,166	1,133,285
Commodity	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Total 2010
Tomatoes, Plum	113,379	77,048			190,427
Peppers	52,381	29,135			81,516
Cucumbers	39,925	23,695			63,620
Squash	24,242	12,827			37,069
Avocados	20,065	15,120			35,185
Other	178,749	264,046			442,795
Subtotal border crossing	249,992	157,825			407,817
Total quarterly	428,741	421,871			850,612

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

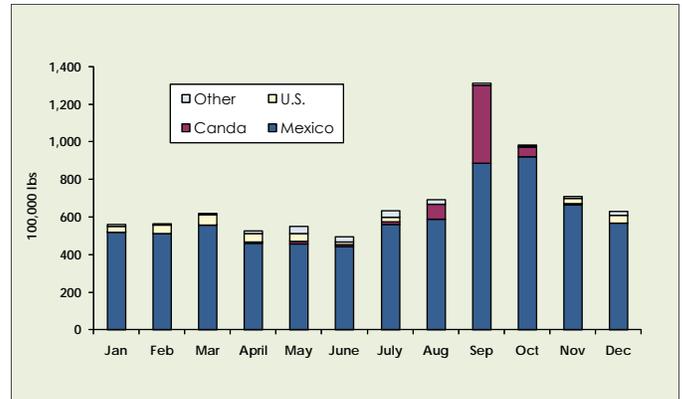


Figure 2. Monthly U.S. shipments of domestic and imported plum tomatoes, 2009



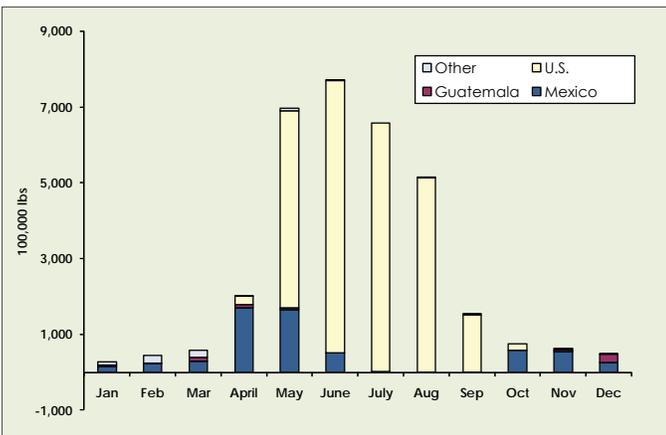
Source: Agricultural Marketing Service (AMS), USDA

Figure 3. Monthly U.S. shipments of domestic and imported peppers, 2009



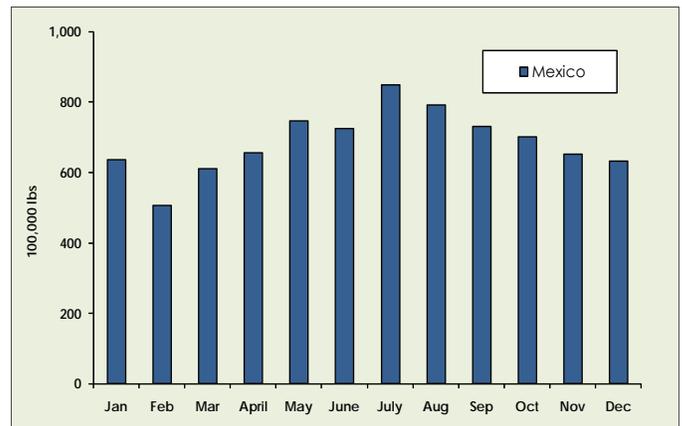
Source: Agricultural Marketing Service (AMS), USDA

Figure 4. Monthly U.S. shipments of domestic and imported seedless watermelons, 2009



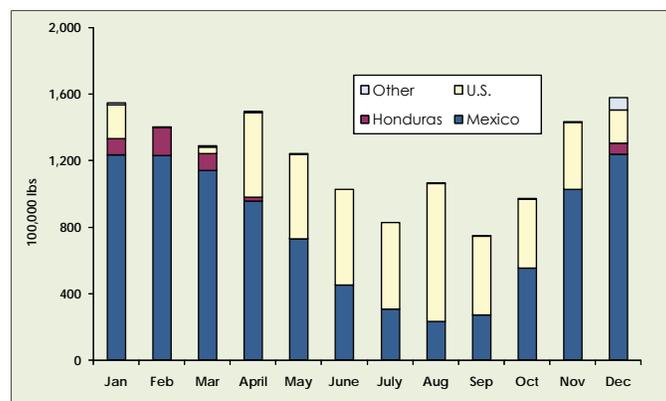
Source: Agricultural Marketing Service (AMS), USDA

Figure 5. Monthly U.S. shipments of domestic and imported limes, 2009



Source: Agricultural Marketing Service (AMS), USDA

Figure 6. Monthly U.S. shipments of domestic and imported cucumbers, 2009



Source: Agricultural Marketing Service (AMS), USDA



Container Shipments

Table 14. Top ten U.S. container agricultural exports to Mexico*, 2010

1st qtr	Commodity	# of TEUs**	Percentage share	Rank
	Vegetables	276	23	1
	Dairy products	165	14	2
	Tobacco	156	13	3
	Grocery Items	92	8	4
	Beer and ale	85	7	5
	Fruit	72	6	6
	Cheese	65	5	7
	Frozen fish	64	5	8
	Liquor, brandy, and spirits	33	3	9
	Tomatoes, prepared	30	2	10
Subtotal		1038	85	
Other		180	15	
Total Exports		1218	100	
2nd qtr	Commodity	# of TEUs**	Percentage share	Rank
Subtotal				
Other				
Total Exports				
3rd qtr	Commodity	# of TEUs**	Percentage share	Rank
Subtotal				
Other				
Total Exports				
4th qtr	Commodity	# of TEUs**	Percentage share	Rank
Subtotal				
Other				
Total Exports				

*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, 2009



Table 15. Top five U.S. bulk agricultural exports to Mexico*, 2010 (1st quarter)

Commodity	Quantity (mt)	Percentage share	Rank
Bulk grain	827,867	53	1
Grain products, flour, and cereal	352,797	22	2
Soybeans	210,125	13	3
Rice, crackers, and pasta	151,116	10	4
Tallow, grease	13,514	1	5
Subtotal	1,555,418	99	
Other	20,731	1	
Total Exports	1,576,149	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, 2010

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

Commodity	# of TEUs**	Percentage share	Rank
Dairy products	1,075	18	1
Fruit	699	12	2
Vegetables	623	11	3
Tobacco	615	10	4
Grocery items	401	7	5
Tomatoes, prepared	330	6	6
Beer and ale	276	5	7
Nuts	230	4	8
Cocoa butter	224	4	9
Frozen fish	130	2	10
Subtotal	4,602	78	
Other	1,273	22	
Total Exports	5,875	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), Journal of Commerce, 2009



Table 17. Top three Mexican bulk agricultural exports to the U.S.* , 2009

Commodity	Quantity (mt)	Percentage share	Rank
Sugars	654,691	64	1
Beer and ale	308,486	30	2
Molasses and treacle	52,047	5	3
Subtotal	1,015,223	99	
Other	6,068	1	
Total Exports	1,021,291	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, 2009

Table 18. Top ten Mexican agricultural container exports to the U.S.* , 2009

Commodity	# of TEUs**	Percentage share	Rank
Beer and ale	5,890	27	1
Coffee	3,157	14	2
Vegetables	2,530	11	3
Wine	1,838	8	4
Liquor, brandy, and spirits	1,585	7	5
Sardines	1,455	7	6
Frozen fish	844	4	7
Fruit	842	4	8
Meat	730	3	9
Cassava flour, strach, tapioca	287	1	10
Subtotal	19,159	86	
Other	3051	14	
Total Exports	22,210	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), Journal of Commerce, 2009



Table 19. U.S. agricultural container shipments to Mexico by port*, 2009

U.S. region**	Mexican port	Number of TEUs***
U.S. Gulf	Manzanillo	2
Pacific Northwest		690
West Coast		1520
East Coast		67
TOTAL		2,279
U.S. Gulf	Lazaro Cardenas	-
Pacific Northwest		325
West Coast		1199
East Coast		-
TOTAL		1,524
U.S. Gulf	Altamira	-
Pacific Northwest		-
West Coast		-
East Coast		655
TOTAL		655
U.S. Gulf	Puerto Morales	-
Pacific Northwest		-
West Coast		-
East Coast		356
TOTAL		356
U.S. Gulf	Veracruz	47
Pacific Northwest		-
West Coast		1
East Coast		257
TOTAL		305

*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, 2009



Table 20. U.S. agricultural container exports to Mexico by port*, 2009

Mexican port	# of TEUs**	Percentage share	Rank
Manzanillo	2,279	39	1
Lazaro Cardenas	1,524	26	2
Altamira	655	11	3
Puerto Morales	356	6	4
Veracruz	305	5	5
Subtotal	5,119	87	
Other	756	13	
Total Exports	5,875	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), Journal of Commerce, 2009

Table 21. U.S. bulk agricultural exports to Mexico by receiving port*, 2009

Mexican port	Quantity (mt)	Percentage share	Rank
Veracruz	5,123,239	70	1
Progreso	971,154	13	2
Coatzacoalcos	570,542	8	3
Tuxpan	406,050	6	4
Subtotal	7,236,520	97	
Other	200,534	3	
Total Exports	7,271,520	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, 2009



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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:

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- ◆ Figure 2: Monthly U.S. shipments of domestic and imported plum tomatoes, 2009
- ◆ Figure 3: Monthly U.S. shipments of domestic and imported peppers, 2009
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