



Mexico Transport Cost Indicator Report



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CONTENTS

Summary: What Happened?	1
Quarterly Bulk Grain and Soybeans	6
Livestock	10
Fruit and Vegetable	11
Subscription Information	15
Data Sets	15

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SUMMARY: WHAT HAPPENED?

Transportation and Landed Costs to Mexico Up for Soybeans and Wheat, but Mixed for Corn

The landed costs of shipping soybeans and wheat to Mexico by water were pushed up by increased transportation costs and farm values during the third quarter. However, a reduction in farm values during the quarter pushed down the landed costs for shipping corn to Mexico. The landed costs of soybeans and wheat increased by 2 and 6 percent, respectively, for both the sea and land routes from the previous quarter ([see November 16, 2017 Grain Transportation Report](#)). The landed costs of seaborne corn decreased by 1 percent and decreased by 2 percent for shipment by land. The transportation costs for seaborne soybeans was mainly due to an increase in truck and barge rates. Due to an increase in seasonal freight demand, truck and barge rates saw an uptick during the quarter.

The transportation costs of moving corn and soybeans by land decreased 1 percent, while the cost of moving wheat both by sea and land increased by 1 percent. With projected near-record U.S. corn production for 2017/18 and increased world supply, corn prices have dropped, resulting in lower landed costs for corn transported by both sea and land routes. On the other hand, soybean and wheat prices increased, pushing up their landed costs. The landed costs for the water route ranged from \$177 to \$395 per metric ton (mt) (see table 1 and figure 2) and \$218 to \$430 per mt for the land route (see table 1 and figure 3). The transportation share of the landed costs for the water route ranged from 11 to 29 percent and 23 to 41 percent for the land route. Year-to-year changes in transportation costs, farm values, and landed costs were mixed across the grain types and transportation routes. While year-to-year transportation and landed costs decreased for seaborne corn and soybeans, they increased for seaborne wheat. As for the land route, year-to-year transportation and landed costs increased for corn and wheat, but the landed cost for shipping soybeans decreased over the year.



Mexico Transport Cost Indicator Report

Market Analysis and Outlook: From July to September of 2017, Mexico imported 4.08 million metric tons (mmt) of corn, 1.04 mmt of soybeans, and 0.88 mmt of wheat—16, 34, and 31 percent more than the same period a year ago, respectively. The total value of corn, soybean, and wheat imports was \$0.73 million, \$0.41 million, and \$1.33 million, respectively. According to USDA's Foreign Agricultural Service (USDA-FAS), Mexico's corn imports from the United States for marketing year (MY) 2017/18 are estimated at 15.33 mmt ([USDA-FAS GAIN Report #:MX7031](#)). However, on November 2, FAS reported export sales of 1.36 mmt of corn for delivery to Mexico, making it the tenth largest daily corn sale on record since 1977. Mexico's oilseed imports are expected to grow modestly due to growth in demand for oil from the hotel, restaurant, and institutional sectors and for meal from the livestock sector ([USDA-FAS GAIN Report: MX7011](#)). The United States is expected to continue to be the main supplier of oilseeds, especially soybeans, to Mexico. Given the uncertainty over the future of the North American Free Trade Agreement (NAFTA), Mexico has reached a phytosanitary agreement to import wheat from Argentina in an attempt to diversify its trading partners ([USDA-FAS GAIN Report #: MX 7046](#)). Despite Mexico's trade diversification efforts, some industry observers still believe grain imports from the United States will continue with or without NAFTA ([USDA-FAS GAIN Report #: MX 7046](#)).

Ocean Freight Rates: Ocean freight rates for shipping bulk grains to Mexico were mixed during the third quarter, compared to the previous quarter and the same period a year ago, but less than the 4-year averages. The cost of shipping a metric ton of grain from the U.S. Gulf to Veracruz, Mexico, in a 25,000 ton-capacity vessel averaged \$15.16 per mt during the quarter—2 percent more than the previous quarter, 1 percent more than the same period last year, but 8 percent below the 4-year average. The cost of shipping in a 35-40,000 ton-capacity vessel averaged \$12.98 per mt—relatively unchanged from the previous quarter, 2 percent less than the same period last year, and 10 percent below the 4-year average. Although ocean freight rates fluctuated during the quarter the rates were still lower than the 4-year averages as excess vessel supply persists in the market.

Railroad: During the third quarter of 2017, railroads transported 37,408 carloads of grain and oilseeds to Mexico, down 3 percent from the previous quarter, up 11 percent from the third quarter of 2016, and up 19 percent from the prior-3-year average for the third quarter. Tariff rail rates per grain car averaged \$7,338, unchanged from the second quarter of 2017 and from the third quarter of 2016, but up 3 percent from the prior-3-year average. Fuel surcharges per railcar averaged \$100, down 8 percent from the previous quarter, up 97 percent from the third quarter 2016, and down 69 percent from the prior-3-year average. Overall, rail transportation costs (tariff rates plus fuel surcharges) were unchanged from the previous quarter, up 1 percent from third quarter 2016, but were unchanged from the prior-3-year average.

Fruit and Vegetables

Total reported shipments of fruits and vegetables from Mexico during the 3rd quarter 2017 were 1.5 million tons, a 2 percent increase from the same quarter last year. The sum of the top five commodities decreased 11 percent from last year. Limes shipments were up 16 percent, Tomatoes shipments were down 2 percent and avocados shipments were down 9 percent from last year.

Truck rates for shipments between 501 and 1,500 miles through the Texas border crossings averaged \$2.23 per mile, 2 percent lower than last quarter, but 44 percent higher than the same quarter last year. Rates for shipments between 501 and 1,500 miles through the Arizona border crossings averaged \$2.45 per mile, up 6 percent from last quarter, and 94 percent higher than the same quarter last year. Rates for shipments between 501 and 1,500 miles through the Texas border crossings averaged \$2.00 per mile, down 9 percent from last quarter, but up 10 percent from the same quarter last year.



Mexico Transport Cost Indicator Report

Diesel fuel prices for border crossings through Texas averaged \$2.45 per gallon. Diesel fuel prices for border crossings through Arizona averaged \$2.81 per gallon. Truck availability was either “a slight shortage” or “adequate” for Nogales and at the Texas border.

Livestock

The U.S. exported 43,535 head of livestock to Mexico during the 3rd quarter. Horses remain the largest livestock export to Mexico with 22,221 animals crossing the border (51 percent of total export), followed by hogs (31 percent), and dairy cattle (9 percent). Most of the animals crossed through El Paso and Presidio, TX.

Figure 1. Livestock Border Crossing to Mexico during the 3rd quarter 2017





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Table 1. Quarterly costs of transporting U.S. grain and soybeans to Mexico, 2017

	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					US\$/metric ton				
Corn										
Origin	IL					IA				
Truck	11.14	12.30	13.02		12.15	3.99	4.30	4.00		4.10
Rail ¹						85.83	85.85	85.68		85.79
Barge	15.81	13.76	17.75		15.77					
Ocean ²	14.27	12.95	12.98		13.40					
Total transportation cost	41.22	39.01	43.75		41.33	89.82	90.15	89.68		89.88
Farm price ³	138.71	138.84	132.80		136.78	133.33	132.28	128.60		131.40
Landed cost ⁴	179.93	177.85	176.55		178.11	223.15	222.43	218.28		221.29
Transport % of landed cost	22.9	21.9	24.8		23.2	40.3	40.5	41.1		40.6
Soybeans										
Origin	IL					NE				
Truck	11.14	12.30	13.02		12.15	3.99	4.30	4.00		4.10
Rail						93.68	93.71	93.53		93.64
Barge	15.81	13.76	17.75		15.77					
Ocean	14.27	12.95	12.98		13.40					
Total transportation cost	41.22	39.01	43.75		41.33	97.67	98.01	97.53		97.74
Farm price	367.31	347.11	351.27		355.23	346.74	325.06	332.65		334.82
Landed cost	408.53	386.12	395.02		396.56	444.41	423.07	430.18		432.55
Transport % of landed cost	10.1	10.1	11.1		10.4	22.0	23.2	22.7		22.6
Wheat										
Origin	KS					KS				
Truck	3.99	4.30	4.00		4.10	3.99	4.30	4.00		4.10
Rail	40.59	40.76	41.42		40.92	76.06	76.47	77.19		76.57
Ocean	14.27	12.95	12.98		13.40					
Total transportation cost	58.85	58.01	58.40		58.42	80.05	80.77	81.19		80.67
Farm price	125.54	134.36	146.36		135.42	125.54	134.36	146.36		135.42
Landed cost	184.39	192.37	204.76		193.84	205.59	215.13	227.55		216.09
Transport % of landed cost	31.9	30.2	28.5		30.2	38.9	37.5	35.7		37.4

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, but do not include the cost of purchasing empty rail cars in the secondary market, which could exceed the rail tariff rate plus the fuel surcharge shown in the table.

²Source: O'Neil Commodity Consulting, Inc.

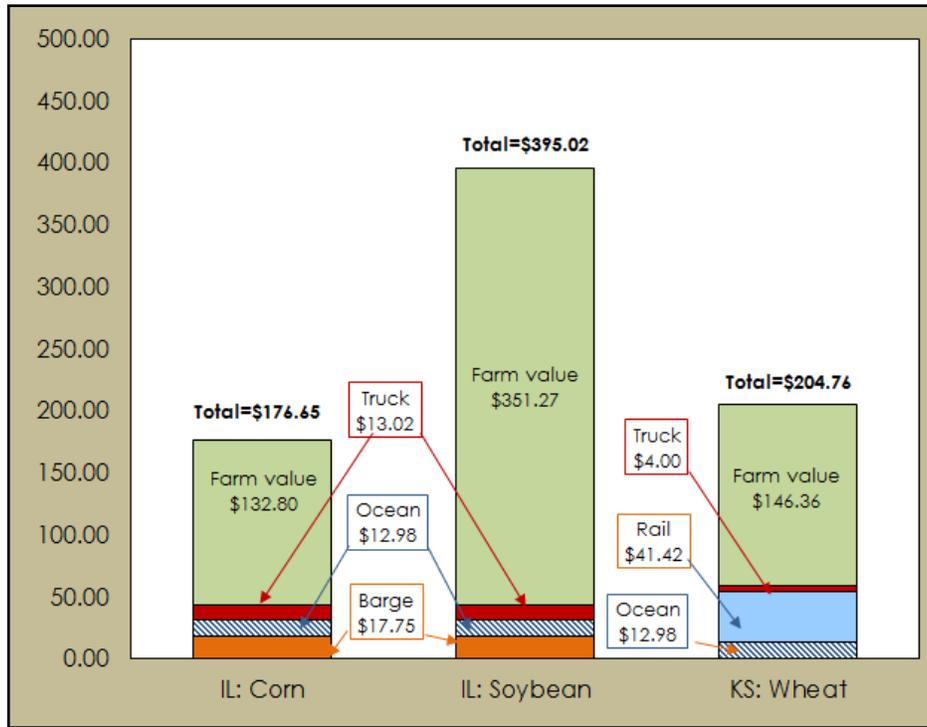
³Source: USDA/NASS

⁴Landed cost is total transportation cost plus the farm price



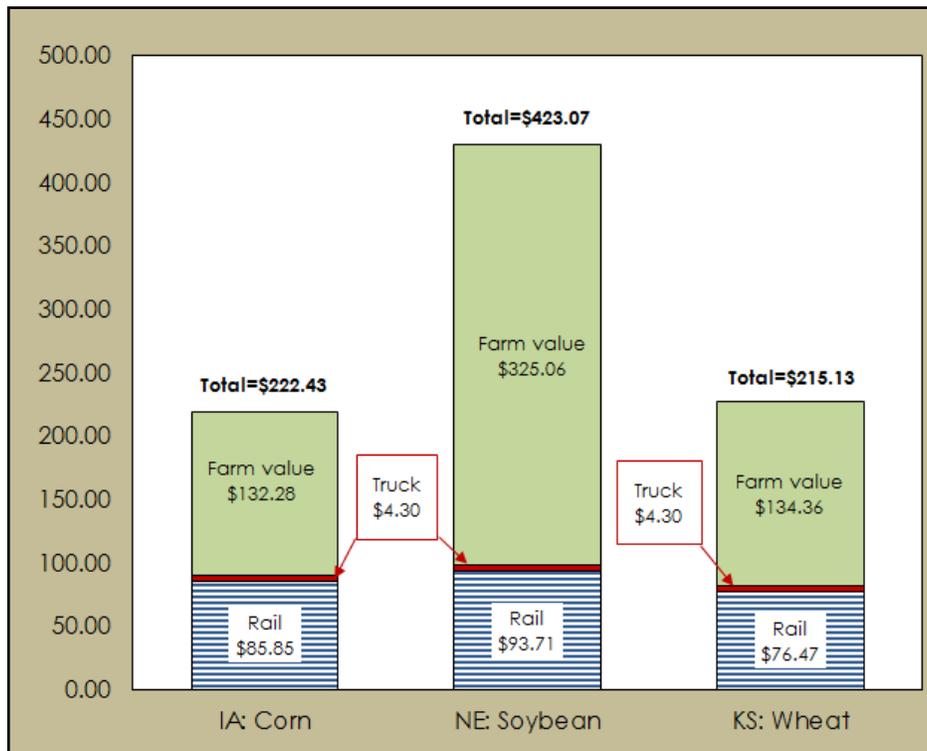
Mexico Transport Cost Indicator Report

Figure 2. Water route shipment costs (\$/mt) to Veracruz, Mexico



Source: USDA, Agricultural Marketing Service

Figure 3. Land route shipment costs (\$/mt) to Guadalajara, Mexico



Source: USDA, Agricultural Marketing Service



Mexico Transport Cost Indicator Report

QUARTERLY BULK GRAIN AND SOYBEANS

Table 2. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2017

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	7,459	7,459	7,459		7,459	0	0	0		0
	OK	Cuautitlan, EM	6,638	6,636	6,631		6,635	60	70	63		64
	KS	Guadalajara, JA	7,180	7,223	7,309		7,237	265	262	246		258
	TX	Salinas Victoria, NL	4,258	4,269	4,292		4,273	36	42	37		39
Corn	IA	Guadalajara, JA	8,187	8,187	8,187		8,187	213	215	198		209
	SD	Celaya, GJ	7,580	7,580	7,580		7,580	0	0	0		0
	NE	Queretaro, QA	7,909	7,909	7,909		7,909	123	141	125		130
	SD	Salinas Victoria, NL	6,635	6,635	6,635		6,635	0	0	0		0
	MO	Tlalnepantla, EM	7,276	7,268	7,268		7,271	120	137	122		126
	SD	Torreon, CU	7,180	7,180	7,180		7,180	0	0	0		0
Soybeans	MO	Bojay (Tula), HG	8,647	8,647	8,647		8,647	225	226	209		220
	NE	Guadalajara, JA	8,942	8,942	8,942		8,942	227	230	212		223
	IA	El Castillo, JA	8,960	8,960	8,960		8,960	0	0	0		0
	KS	Torreon, CU	7,489	7,489	7,489		7,489	150	154	142		149
Sorghum	NE	Celaya, GJ	7,164	7,164	7,164		7,164	189	193	177		186
	KS	Queretaro, QA	7,608	7,608	7,608		7,608	75	87	78		80
	NE	Salinas Victoria, NL	6,213	6,213	6,213		6,213	61	70	63		64
	NE	Torreon, CU	6,607	6,607	6,607		6,607	136	141	129		135

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. The cost of obtaining empty grain cars in the Secondary Grain Car markets, which in times of high demand may exceed the tariff rate plus fuel surcharge, is not included.

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



Mexico Transport Cost Indicator Report

Table 3. Quarterly tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2017

			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	76.21	76.21	76.21		76.21	2.07	2.07	2.07		2.07
	OK	Cuautitlan, EM	68.44	68.51	68.39		68.45	1.86	1.86	1.86		1.86
	KS	Guadalajara, JA	76.06	76.47	77.19		76.58	2.07	2.08	2.10		2.08
	TX	Salinas Victoria, NL	43.88	44.05	44.24		44.05	1.19	1.20	1.20		1.20
Corn	IA	Guadalajara, JA	85.83	85.85	85.68		85.78	2.18	2.18	2.17		2.18
	SD	Celaya, GJ	77.45	77.45	77.45		77.45	1.97	1.97	1.97		1.97
	NE	Queretaro, QA	82.07	82.25	82.09		82.14	2.08	2.09	2.08		2.08
	SD	Salinas Victoria, NL	67.79	67.79	67.79		67.79	1.72	1.72	1.72		1.72
	MO	Tlalnepantla, EM	75.57	75.66	75.51		75.58	1.92	1.92	1.92		1.92
	SD	Torreon, CU	73.36	73.36	73.36		73.36	1.86	1.86	1.86		1.86
Soybeans	MO	Bojay (Tula), HG	90.65	90.66	90.48		90.60	2.46	2.46	2.46		2.46
	NE	Guadalajara, JA	93.68	93.71	93.53		93.64	2.55	2.55	2.54		2.55
	IA	El Castillo, JA	91.55	91.55	91.55		91.55	2.49	2.49	2.49		2.49
	KS	Torreon, CU	78.05	78.09	77.96		78.03	2.12	2.12	2.12		2.12
Sorghum	NE	Celaya, GJ	75.12	75.16	75.01		75.10	1.91	1.91	1.90		1.91
	KS	Queretaro, QA	78.50	78.62	78.53		78.55	1.99	2.00	1.99		1.99
	NE	Salinas Victoria, NL	64.10	64.19	64.12		64.14	1.63	1.63	1.63		1.63
	NE	Torreon, CU	68.89	68.95	68.83		68.89	1.75	1.75	1.75		1.75

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. The cost of obtaining empty grain cars in the Secondary Grain Car markets, which in times of high demand may exceed the tariff rate plus fuel surcharge, is not included.

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



Mexico Transport Cost Indicator Report

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

Year	Thousand metric tons				
	1st qtr	2nd qtr	3rd qtr	4th qtr	Total
2009	316	377	371	395	1,459
2010	439	399	424	383	1,645
2011	506	430	476	369	1,781
2012	426	388	352	332	1,498
2013	284	329	290	381	1,285
2014	356	420	366	435	1,577
2015	497	276	413	463	1,649
2016	483	467	470	490	1,910
2017	604	475	551		

*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



Mexico Transport Cost Indicator Report

Table 5. Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico

US\$/metric ton					
Vessel capacity (metric ton)	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
25,000	23.04	23.83	24.33	21.89	23.27
35-40,000	20.75	22.34	21.64	19.83	21.14
Vessel capacity (metric ton)	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
25,000	21.71	21.13	21.96	23.29	22.02
35-40,000	18.75	18.86	19.89	21.21	19.68
Vessel capacity (metric ton)	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
25,000	20.28	20.79	20.68	18.73	20.12
35-40,000	18.37	18.62	18.53	16.73	18.06
Vessel capacity (metric ton)	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
25,000	20.19	19.59	20.47	20.01	20.07
35-40,000	17.89	17.58	17.85	17.13	17.61
Vessel capacity (metric ton)	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Average
25,000	20.08	17.48	15.75	16.32	17.41
35-40,000	17.53	15.48	13.56	13.96	15.13
Vessel capacity (metric ton)	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Average
25,000	13.67	14.23	14.59	13.95	14.11
35-40,000	11.63	11.89	12.85	12.12	12.12
Vessel capacity (metric ton)	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Average
25,000	12.34	13.47	15.00	14.85	13.92
35-40,000	10.44	11.65	13.20	13.26	12.14
Vessel capacity (metric ton)	1st qtr 2017	2nd qtr 2017	3rd qtr 2017	4th qtr 2017	Average
25,000	16.03	14.85	15.16		15.35
35-40,000	14.27	12.95	12.98		13.40

Source: O'Neil Commodity Consulting



Mexico Transport Cost Indicator Report

LIVESTOCK

Table 6. U.S. livestock exports to Mexico by border crossing* (head) July-September 2017

Category	NM	AZ	TX	Total
Beef cattle				
Slaughter	0	1,751	175	1,926
Breeding males	10	3	191	204
Breeding females	80	1	206	287
Total beef	90	1,755	572	2,417
Hogs				
Slaughter	0	0	0	0
Breeding males	0	40	560	600
Breeding females	0	9,075	4,237	13,312
Total hogs	0	9,115	4,797	13,912
Sheep				
Slaughter lambs	0	0	0	0
Slaughter ewes	0	0	1,621	1,621
Breeding males	0	0	9	9
Breeding females	0	0	33	33
Total sheep	0	0	1,663	1,663
Dairy cattle				
Breeding males	0	0	12	12
Breeding females	1,220	0	2,028	3,248
Total dairy	1,220	0	2,498	3,718
Goats				
Angora	0	0	0	0
Spanish	0	0	0	0
Other	0	0	0	0
Total goats	0	0	0	0
Horses				
Slaughter	2,800	0	17,335	20,135
Breeding males	250	115	279	644
Breeding females	347	139	510	996
Geldings	108	36	234	378
Burro/mule/pony	0	0	68	68
Total horses	3,505	290	18,426	22,221
Exotics**	0	0	62	62
Grand total	4,815	11,160	27,560	43,535

*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



Mexico Transport Cost Indicator Report

FRUIT AND VEGETABLE

Table 7. Fruit and vegetable truck rates for shipments between 500 and 1,500 miles crossing the U.S.-Mexico border*

US\$/mile					
Origin/border crossing	1st qtr 2009	2nd qtr 2009	3rd qtr 2009	4th qtr 2009	Average
Nogales, Arizona	1.93	1.74	1.26	1.86	1.70
Pharr, Texas	1.61	1.61	1.38	1.42	1.50
Origin/border crossing	1st qtr 2010	2nd qtr 2010	3rd qtr 2010	4th qtr 2010	Average
Nogales, Arizona	1.97	2.09	1.65	1.89	1.90
Pharr, Texas	1.60	1.86	1.53	1.58	1.64
Origin/border crossing	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Average
Nogales, Arizona	1.87	2.38	1.85	1.80	1.97
Pharr, Texas	1.84	2.12	1.77	1.87	1.90
Origin/border crossing	1st qtr 2012	2nd qtr 2012	3rd qtr 2012	4th qtr 2012	Average
Nogales, Arizona	2.00	2.57	1.84	1.92	2.08
Pharr, Texas	1.97	2.26	1.89	2.09	2.05
Origin/border crossing	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Average
Nogales, Arizona	2.34	2.59	1.63	2.33	2.22
Pharr, Texas	2.15	2.33	2.02	2.01	2.13
Origin/border crossing	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Average
Nogales, Arizona	2.46	2.69	1.74	2.31	2.30
Pharr, Texas	2.32	2.53	2.12	2.13	2.28
Origin/border crossing	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Average
Nogales, Arizona	2.41	2.49	2.71	2.51	2.53
Pharr, Texas	2.26	2.23	2.50	2.27	2.32
Origin/border crossing	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Average
Nogales, Arizona	2.31	2.43	2.53	2.65	2.48
Pharr, Texas	2.98	2.17	2.24	2.34	2.43
Origin/border crossing	1st qtr 2017	2nd qtr 2017	3rd qtr 2017	4th qtr 2017	Average
Nogales, Arizona	2.05	2.32	2.45		2.27
Pharr, Texas	2.16	2.21	2.00		2.12

*Voluntarily reported to AMS, Market News

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



Mexico Transport Cost Indicator Report

Table 8. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability

3rd quarter 2017														
Legend:		1 = Surplus	2 = Slight surplus	3 = Adequate	4 = Slight shortage	5 = Shortage								
Truck availability														
Mexico border crossings/month		July				August					September			
Week		7/4	7/11	7/18	7/25	8/1	8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26
Through Nogales, AZ	Tomatoes, Grapes, Mangoes, Mixed Vegetables, Watermelons	3	3	3	3	3	3	3	3	3	3	3	3	3
Through TX	Tomatoes, Carrots, Broccoli, Mangoes, Limes, Mixed Fruits, Vegetables	5	3	3	2	2	2	2	2	2	3	3	3	3

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

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

Commodity	3rd qtr 2017	Rank
Limes	34,686	1
Avocados	31,683	2
Mangoes	29,934	3
Tomatoes	24,406	4
Peppers, Other	23,554	5
Tomatoes, Plum Type	20,486	6
Cucumbers	16,021	7
Misc Tropical	15,680	8
Lemons	8,387	9
Broccoli	7,721	10

Source: USDA, AMS, Market News



Mexico Transport Cost Indicator Report

Table 10. Top five commodities shipped by truck to the U.S. from Mexico

10,000 lbs.					
Commodity	1st qtr 2011	2nd qtr 2011	3rd qtr 2011	4th qtr 2011	Total 2011
Tomatoes (all varieties)	93,831	61,825	40,136	40,329	236,121
Peppers (all varieties)	49,137	27,150	21,775	30,018	128,080
Cucumbers	31,749	27,481	9,879	22,275	91,384
Onions (dry and green)	30,159	20,994	6,747	7,090	64,990
Watermelon	25,181	66,908	3,082	14,777	109,948
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 (all varieties)	99,264	69,282	41,120	57,099	266,765
Peppers (all varieties)	56,506	33,399	25,990	33,073	148,968
Cucumbers	42,668	25,798	11,919	30,383	110,768
Onions (dry and green)	29,949	20,020	8,122	8,744	66,835
Squash	26,776	16,033	3,401	19,556	65,766
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
Commodity	1st qtr 2013	2nd qtr 2013	3rd qtr 2013	4th qtr 2013	Total 2013
Tomatoes (all varieties)	88,753	75,505	43,373	52,154	259,785
Peppers (all varieties)	55,952	35,111	27,341	51,481	169,885
Avocadoes	38,933	26,387	15,049	30,766	111,135
Cucumbers	38,877	30,555	11,592	31,523	112,547
Onions (dry and green)	24,818	22,138	7,584	8,070	62,610
Subtotal	247,333	189,696	104,939	173,994	715,962
Other	206,944	271,688	126,051	168,680	773,363
Total	454,277	461,384	230,990	342,674	1,489,325
Commodity	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Total 2014
Tomatoes (all varieties)	102,175	77,596	40,598	56,783	277,152
Peppers (all varieties)	62,356	33,083	27,349	48,167	170,955
Cucumbers	47,565	30,978	12,150	35,905	126,598
Avocadoes	37,085	26,363	26,044	39,140	128,632
Squash	29,622	16,334	3,814	22,495	72,265
Subtotal	278,803	184,354	109,955	202,490	775,602
Other	214,020	306,544	126,219	160,627	807,410
Total	492,823	490,898	236,174	363,117	1,583,012

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



Mexico Transport Cost Indicator Report

10,000 lbs.					
Commodity	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Total 2015
Tomatoes (all varieties)	99,053	73,537	42,002	61,571	276,163
Peppers (all varieties)	61,334	34,579	28,060	46,690	170,663
Cucumbers	50,114	34,601	14,335	35,947	134,997
Avocados	44,510	37,667	39,582	49,063	170,822
Squash	29,026	18,088	3,527	23,863	74,504
Subtotal	284,037	198,472	127,506	217,134	827,149
Other	225,053	334,134	130,249	179,649	869,085
Total	509,090	532,606	257,755	396,783	1,696,234
Commodity	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Total 2016
Tomatoes (all varieties)	122,571	105,099	49,289	66,534	343,493
Peppers (all varieties)	57,984	46,626	33,631	65,270	203,511
Cucumbers	45,829	37,791	14,670	39,803	138,093
Avocados	57,605	40,197	34,993	40,457	173,252
Squash	31,051	26,672	5,322	30,711	93,756
Subtotal	315,040	256,385	137,905	242,775	952,105
Other	242,834	350,555	162,307	204,561	960,257
Total	557,874	606,940	300,212	447,336	1,912,362
Commodity	1st qtr 2017	2nd qtr 2017	3rd qtr 2017	4th qtr 2017	Total 2017
Tomatoes (all varieties)	107,194	82,449	48,893		238,536
Peppers (all varieties)	67,337	38,757	30,928		137,022
Cucumbers	47,202	32,892	16,021		96,115
Avocados	49,557	36,996	31,683		118,236
Squash	31,937	20,737	5,099		57,773
Subtotal	303,227	211,831	132,624		647,682
Other	289,814	339,353	170,127		799,294
Total	593,041	551,184	302,751		1,446,976

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



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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 (all XLS files):

- [Figure 2: Water route shipment costs \(\\$/mt\) to Veracruz, Mexico](#)
- [Figure 3: Land route shipment costs \(\\$/mt\) to Guadalajara, Mexico](#)
- [Table 1: Quarterly costs of transporting U.S. grain and soybeans to Mexico](#)
- [Table 2: Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico \(US\\$/car\), 2017](#)
- [Table 3: Quarterly tariff plus fuel surcharge rail rates for U.S. bulk grain shipments to Mexico, 2017](#)
- [Table 4: Quarterly exports of U.S. Distillers' Dried Grains with Soluble \(DDGS\) to Mexico](#)
- [Table 5: Quarterly ocean freight rate for bulk shipments from the U.S. Gulf to Veracruz, Mexico \(US\\$/metric ton\)](#)
- [Table 6: U.S. livestock exports to Mexico by border crossing \(head\) July-September 2017](#)
- [Table 7: Fruit and vegetable truck rates for shipments between 500 and 1,500 miles crossing the U.S.-Mexico border \(US\\$/mile\)](#)
- [Table 8: Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability, 3rd quarter, 2017](#)
- [Table 9: Top ten commodities shipped to the U.S. from Mexico \(10,000 lbs\)](#)
- [Table 10: Top five commodities shipped to the U.S. from Mexico \(10,000 lbs\)](#)

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