

Mexico Transport Cost Indicator Report

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Fourth Quarter 2021
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SUMMARY: WHAT HAPPENED?

Transportation and Landed Costs of Grain to Mexico Varied in Fourth Quarter 2021

Mexico is the leading destination for U.S. corn and wheat ([Grain Transportation Report \(GTR\)](#), February 24, 2022, tables 13 and 15) and the second-leading destination for U.S. soybeans ([GTR, February 24, 2022 table 14](#)). Low transportation and landed costs for U.S.-Mexico routes are vital to the competitiveness of U.S. grain in Mexico and globally. U.S. grain is transported to Mexico either by cross-border land movements or by sea movements to Mexican ports for inland distribution. This article examines the costs of transporting U.S. grain to Mexico over land to Guadalajara (land routes) and by sea to Veracruz (water routes), tracking changes over time (table 1).

Quarter-to-quarter transportation costs. From third quarter 2021 to fourth quarter 2021 (quarter to quarter), total transportation costs increased for wheat through the land route and for U.S. corn and soybeans through both water and land routes. Transportation costs of shipping wheat through the water route remained stable. Rising water-route shipping costs reflected higher truck and barge rates.¹ Land-route shipping costs increased with rising truck and rail rates (public tariff, plus fuel surcharge). Truck rates rose partly because of quarter-to-quarter rises in diesel fuel prices ([GTR, February 24, 2022 fig. 13](#), [Grain Truck and Ocean Rates Advisory](#)). Barge rates rose amid a high demand for empty barges and limited supply. The supply constraints resulted from logistical challenges in repositioning empty barges upriver from New Orleans ([GTR, January 27, 2022](#)). Responding to lower demand for shipping bulk items, ocean freight rates fell quarter to quarter, ([GTR, January 20, 2022](#)).

Year-to-year transportation costs. From fourth quarter 2020 to fourth quarter 2021 (year to year), total costs of shipping all grain (U.S. corn, soybeans, and wheat) to Mexico by the water routes rose because of higher truck, barge, and ocean freight rates. Likewise, total costs of shipping all grain to Mexico by the land routes rose because of higher truck and rail tariff rates.

¹ Water routes typically involve truck transportation to barge to oceangoing vessel, or truck to rail to oceangoing vessel.



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Quarter-to-quarter landed costs. Quarter to quarter, landed costs fell for corn and soybeans shipped via the water and land routes. The lower landed costs reflected a decline in farm values that exceeded the increase in transportation costs (table 1 and figs. 1 and 2). Rising farm values pushed up wheat landed costs. The share of landed costs comprising transportation ranged from 13 percent to 25 percent for the water routes and from 19 percent to 34 percent for the land routes (table 1).

Year-to-year landed costs. Year to year, landed costs increased for both waterborne and land-route grains, because of both higher transportation costs and higher farm values.

U.S. Exports to Mexico: According to [USDA's Federal Grain Inspection Service](#), Mexico imported 4.24 million metric tons (mmt) of U.S. corn, 1.55 mmt of U.S. soybeans, and 0.76 mmt of U.S. wheat in fourth quarter 2021. Quarter to quarter, U.S. inspections for export to Mexico increased 17 percent for corn, increased 70 percent for soybeans, and decreased 28 percent for wheat. Year to year, U.S. inspections destined to Mexico showed rises of 20 percent for corn, 6 percent for soybeans, and 11 percent for wheat. Despite a general increase in transportation costs, total U.S. grain shipments to Mexico have been strong, as corn, soybeans, and wheat shipments have increased year to year.

Ocean Freight Rates: Ocean freight rates for shipping bulk grains to Mexico decreased quarter to quarter, but increased year to year, and from the 4-year average. In the fourth quarter—via 25,000 ton-capacity vessels from the U.S. Gulf to Veracruz, Mexico—the cost of shipping a metric ton (mt) of grain averaged \$27.66 per mt. This was down 9 percent quarter to quarter, up 59 percent year to year, and up 58 percent from the prior-4-year average. The cost of shipping in a 35,000-40,000 ton-capacity vessel averaged \$25.23 per mt. This amounted to a 9-percent decrease quarter to quarter, 75-percent increase year to year, and 70-percent increase from the prior-4-year average. Seasonally low market activity due to holidays caused the rates to dip during the quarter.

Railroad: In fourth quarter 2021, railroads transported 45,334 carloads of grain and oilseeds to Mexico, unchanged quarter to quarter, up 26 percent year to year, and up 12 percent from the prior-3-year average. Tariff rail rates per grain car averaged \$7,789, up 1 percent quarter to quarter and year to year, and up 2 percent from the prior-3-year average. Fuel surcharges per railcar averaged \$307, up 9 percent quarter to quarter, up 147 percent year to year, and up 59 percent from the prior-3-year average. Overall, rail transportation costs (tariff rates plus fuel surcharges) were up 1 percent quarter to quarter, up 4 percent year to year, and were up 3 percent from the prior-3-year average.

Fruit and Vegetables

In fourth quarter 2021, total reported shipments of fruits and vegetables by refrigerated truck from Mexico were 2.74 million tons, a 3-percent increase from year to year. The sum of the top five commodities increased by 45,000 tons, or 4 percent. At 301,000 tons—a decrease of 6 percent from year to year—avocados were the largest reported refrigerated truck import from Mexico by volume.

Truck rates for shipments crossing the Arizona border from Mexico and traveling 501-1,500 miles averaged \$3.28 per mile, up 56 percent quarter to quarter and up 17 percent year to year. Rates for shipments crossing the Texas-Mexico border and traveling 501-1,500 miles averaged \$3.44 per mile, up 19 percent quarter to quarter and up 20 percent year to year.

Diesel fuel prices for Texas-Mexico border crossings averaged \$3.40 per gallon for the quarter. Diesel fuel prices for Arizona-Mexico border crossings averaged \$3.93 per gallon. Truck availability for Texas-Mexico border crossings ranged from adequate to slight shortage throughout the quarter. On average, truck availability for Arizona-Mexico border crossings shifted from slight shortage in October to shortage by December.



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

	2021									
	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	13.66	13.99	13.18	13.50	13.58	4.88	4.98	4.93	5.55	5.09
Rail ¹	-	-	-	-	-	95.30	96.73	97.06	99.50	97.15
Barge	20.87	17.29	22.10	29.41	22.42	-	-	-	-	-
Ocean ²	19.19	23.75	27.68	25.23	23.96	-	-	-	-	-
Total transportation cost	53.72	55.03	62.96	68.14	59.96	100.18	101.71	101.99	105.05	102.23
Farm price ³	180.44	229.91	232.93	205.50	212.20	185.82	230.57	238.83	207.21	215.61
Landed cost ⁴	234.16	284.94	295.89	273.64	272.16	286.00	332.28	340.82	312.26	317.84
Transport % of landed cost	22.9	19.3	21.3	24.9	22.0	35.0	30.6	29.9	33.6	32.2
Soybeans										
Origin	IL					NE				
Truck	13.66	13.99	13.18	13.50	13.58	4.88	4.98	4.93	5.55	5.09
Rail ¹	-	-	-	-	-	97.77	99.21	99.56	100.37	99.23
Barge	20.87	17.29	22.10	29.41	22.42	-	-	-	-	-
Ocean ²	19.19	23.75	27.68	25.23	23.96	-	-	-	-	-
Total transportation cost	53.72	55.03	62.96	68.14	59.96	102.65	104.19	104.49	105.92	104.31
Farm price ³	442.15	527.88	492.37	448.27	477.67	445.82	519.31	485.02	439.70	472.46
Landed cost ⁴	495.87	582.91	555.33	516.41	537.63	548.47	623.50	589.51	545.62	576.78
Transport % of landed cost	10.8	9.4	11.3	13.2	11.2	18.7	16.7	17.7	19.4	18.1
Wheat										
Origin	KS					KS				
Truck	4.88	4.98	4.93	5.55	5.09	4.88	4.98	4.93	5.55	5.09
Rail ¹	42.07	42.07	42.07	43.80	42.50	81.72	83.37	83.99	85.05	83.53
Ocean ²	19.19	23.75	27.68	25.23	23.96	-	-	-	-	-
Total transportation cost	66.14	70.80	74.68	74.58	71.55	86.60	88.35	88.92	90.60	88.62
Farm price ³	215.20	227.44	239.45	283.91	241.50	215.20	227.44	239.45	283.91	241.50
Landed cost ⁴	281.34	298.24	314.13	358.49	313.05	301.80	315.79	328.37	374.51	330.12
Transport % of landed cost	23.5	23.7	23.8	20.8	23.0	28.7	28.0	27.1	24.2	27.0

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.

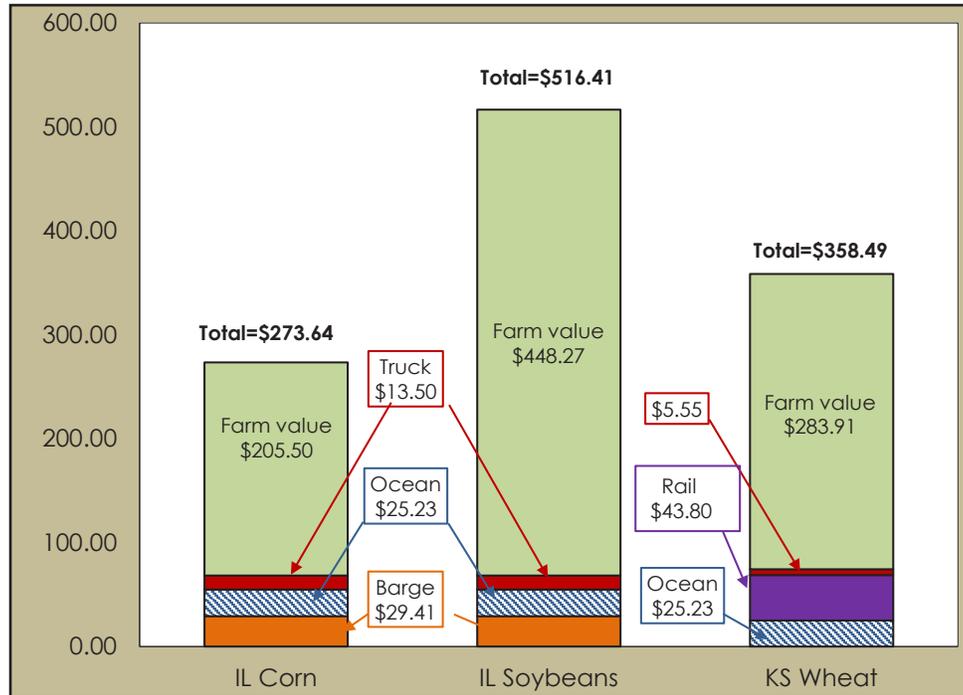
Note: "-" indicates data not required or applicable. Total may not add exactly because of rounding.



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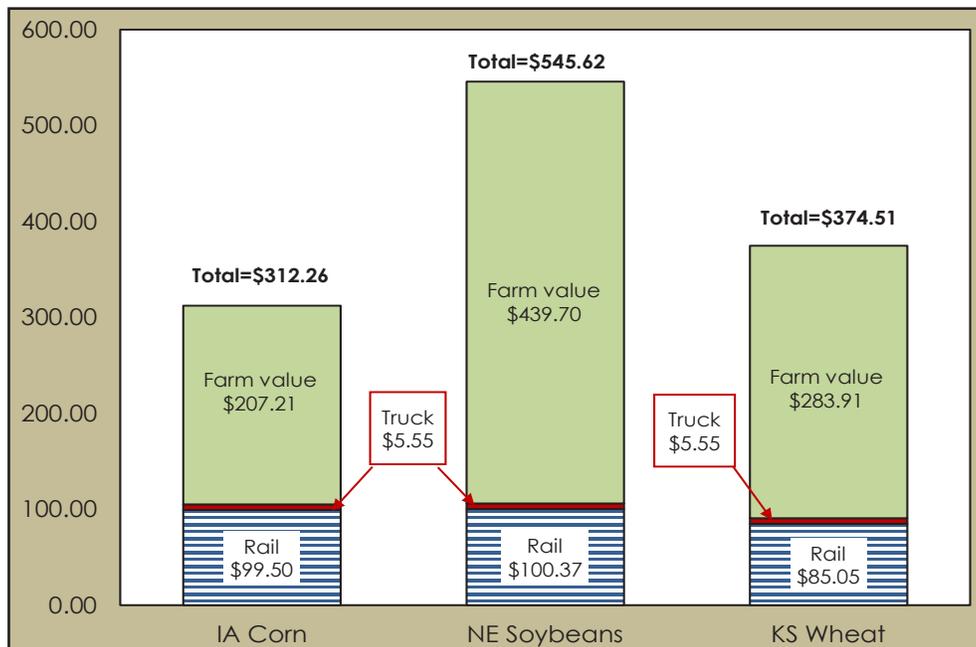


Figure 1. Fourth-quarter 2021 water-route shipment costs (\$/mt) to Veracruz, Mexico



Note: IL = Illinois; KS = Kansas
Source: USDA, Agricultural Marketing Service

Figure 2. Fourth-quarter 2021 land-route shipment costs (\$/mt) to Guadalajara, Mexico



Note: IA = Iowa; NE = Nebraska; KS = Kansas
Source: USDA, Agricultural Marketing Service



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QUARTERLY BULK GRAIN AND SOYBEANS

Table 2. Quarterly tariff rail rates for U.S. bulk grain shipments to Mexico (US\$/car), 2021

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	7,384	7,384	7,594	7,699	7,515	0	0	0	0	0
	OK	Cuautitlan, EM	6,713	6,746	6,813	6,900	6,793	67	135	167	181	138
	KS	Guadalajara, JA	7,471	7,491	7,531	7,619	7,528	527	668	689	699	646
	TX	Salinas Victoria, NL	4,347	4,347	4,347	4,420	4,365	41	82	102	111	84
Corn	IA	Guadalajara, JA	8,902	8,902	8,902	9,102	8,952	425	565	598	623	553
	SD	Celaya, GJ	8,140	8,140	8,140	8,300	8,180	0	0	0	0	0
	NE	Queretaro, QA	8,300	8,300	8,300	8,322	8,306	139	280	348	380	287
	SD	Salinas Victoria, NL	6,905	6,905	6,905	6,905	6,905	0	0	0	0	0
	MO	Tlalnepantla, EM	7,665	7,665	7,665	7,687	7,670	135	273	340	371	280
	SD	Torreon, CU	7,690	7,690	7,690	7,825	7,724	0	0	0	0	0
Soybeans	MO	Bojay (Tula), HG	8,547	8,547	8,547	8,647	8,572	401	531	560	579	518
	NE	Guadalajara, JA	9,157	9,157	9,157	9,207	9,169	412	553	587	603	539
	IA	El Castillo, JA	9,410	9,410	9,410	9,510	9,435	0	0	0	0	0
	KS	Torreon, CU	8,014	8,014	8,030	8,109	8,041	274	379	410	426	372
Sorghum	NE	Celaya, GJ	7,772	7,772	7,772	7,932	7,812	367	498	532	554	488
	KS	Queretaro, QA	8,108	8,108	8,108	8,108	8,108	84	168	209	226	172
	NE	Salinas Victoria, NL	6,713	6,713	6,713	6,713	6,713	68	135	168	182	138
	NE	Torreon, CU	7,092	7,092	7,092	7,191	7,117	243	345	377	395	340

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



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Table 3. Quarterly tariff rail rates plus fuel surcharges for U.S. bulk grain shipments to Mexico, 2021

			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	75.45	75.45	77.59	78.67	76.79	2.05	2.05	2.11	2.14	2.09
	OK	Cuautitlan, EM	69.27	70.30	71.32	72.52	70.85	1.88	1.91	1.94	1.97	1.93
	KS	Guadalajara, JA	81.72	83.37	83.99	85.05	83.53	2.22	2.27	2.28	2.31	2.27
	TX	Salinas Victoria, NL	44.83	45.25	45.46	46.39	45.48	1.22	1.23	1.24	1.26	1.24
Corn	IA	Guadalajara, JA	95.30	96.73	97.06	99.50	97.15	2.42	2.45	2.46	2.52	2.47
	SD	Celaya, GJ	83.17	83.17	83.17	84.81	83.58	2.11	2.11	2.11	2.15	2.12
	NE	Queretaro, QA	86.22	87.67	88.36	89.19	87.86	2.19	2.22	2.24	2.26	2.23
	SD	Salinas Victoria, NL	70.55	70.55	70.55	70.55	70.55	1.79	1.79	1.79	1.79	1.79
	MO	Tlalnepantla, EM	79.70	81.10	81.78	82.60	81.30	2.02	2.06	2.08	2.10	2.06
	SD	Torreon, CU	78.57	78.57	78.57	79.95	78.92	1.99	1.99	1.99	2.03	2.00
Soybeans	MO	Bojay (Tula), HG	91.42	92.75	93.05	94.38	92.90	2.49	2.52	2.53	2.57	2.53
	NE	Guadalajara, JA	97.77	99.21	99.56	100.37	99.23	2.66	2.70	2.71	2.73	2.70
	IA	El Castillo, JA	96.15	96.15	96.15	97.17	96.40	2.61	2.61	2.61	2.64	2.62
	KS	Torreon, CU	84.68	85.76	86.24	87.34	86.00	2.30	2.33	2.34	2.37	2.34
Sorghum	NE	Celaya, GJ	83.17	84.50	84.84	86.86	84.84	2.11	2.14	2.15	2.20	2.15
	KS	Queretaro, QA	83.70	84.56	84.97	85.36	84.65	2.12	2.15	2.16	2.17	2.15
	NE	Salinas Victoria, NL	69.28	69.97	70.30	70.61	70.04	1.76	1.78	1.78	1.79	1.78
	NE	Torreon, CU	74.95	75.99	76.31	77.77	76.25	1.90	1.93	1.94	1.97	1.94

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



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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
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	551	2,181
2018	516	516	514	467	2,013
2019	410	574	475	491	1,950
2020	526	344	396	476	1,742
2021	481	647	611	644	2,383

*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



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

US\$/metric ton					
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	16.69	15.68
35-40,000	14.27	12.95	12.98	14.26	13.62
Vessel capacity (metric ton)	1st qtr 2018	2nd qtr 2018	3rd qtr 2018	4th qtr 2018	Average
25,000	16.11	16.20	16.68	17.94	16.73
35-40,000	13.97	14.07	14.68	15.63	14.59
Vessel capacity (metric ton)	1st qtr 2019	2nd qtr 2019	3rd qtr 2019	4th qtr 2019	Average
25,000	16.37	16.65	18.27	17.98	17.32
35-40,000	13.89	14.01	15.50	15.23	14.66
Vessel capacity (metric ton)	1st qtr 2020	2nd qtr 2020	3rd qtr 2020	4th qtr 2020	Average
25,000	16.37	15.31	17.20	17.40	16.57
35-40,000	13.64	12.41	14.39	14.43	13.72
Vessel capacity (metric ton)	1st qtr 2021	2nd qtr 2021	3rd qtr 2021	4th qtr 2021	Average
25,000	22.56	27.14	30.33	27.66	26.92
35-40,000	19.19	23.75	27.68	25.23	23.96

Source: O'Neil Commodity Consulting



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FRUIT AND VEGETABLE

Table 6. Fruit and vegetable truck rates for shipments between 501 to 1,500 miles crossing the U.S.-Mexico border

US\$/mile					
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	2.38	2.30
Pharr, Texas	2.16	2.21	2.00	2.36	2.18
Origin/border crossing	1st qtr 2018	2nd qtr 2018	3rd qtr 2018	4th qtr 2018	Average
Nogales, Arizona	2.92	3.21	2.75	2.47	2.84
Pharr, Texas	2.95	3.13	2.27	2.34	2.67
Origin/border crossing	1st qtr 2019	2nd qtr 2019	3rd qtr 2019	4th qtr 2019	Average
Nogales, Arizona	2.52	2.7	2.52	2.21	2.49
Pharr, Texas	2.45	2.28	2.04	2.23	2.25
Origin/border crossing	1st qtr 2020	2nd qtr 2020	3rd qtr 2020	4th qtr 2020	Average
Nogales, Arizona	2.53	2.55	2.16	2.81	2.51
Pharr, Texas	2.49	2.25	2.35	2.88	2.49
Origin/border crossing	1st qtr 2021	2nd qtr 2021	3rd qtr 2021	4th qtr 2021	Average
Nogales, Arizona	3.16	3.90	2.10	3.28	3.11
Pharr, Texas	2.93	3.19	2.90	3.44	3.11

Source: USDA, Agricultural Marketing Service (AMS), Specialty Crops Program, Market News Division



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Table 7. Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability

4th quarter 2021														
Legend:	1 = Surplus	2 = Slight surplus	3 = Adequate	4 = Slight shortage	5 = Shortage									
Truck availability														
Mexico border crossings/month		October				November				December				
Week ending		10/5	10/12	10/19	10/26	11/2	11/9	11/16	11/23	11/30	12/7	12/14	12/21	12/28
Through Nogales, AZ	Tomatoes, Squash, Cucumbers, Mangoes, Honeydew, Watermelons, Mixed Fruits, Vegetables,	3	3	3	4	4	4	5	5	4	4	4	5	5
Through TX	Vegetables, Limes, Mangoes, Onions, Tomatoes, Broccoli, Mixed Fruits	4	3	4	4	3	4	3	3	3	3	3	5	5

Note: NA = not available.

Source: USDA, Agricultural Marketing Service (AMS), Specialty Crop Program, Market News Division, Fruit and Vegetable Truck Rate Report

Table 8. Top ten commodities shipped by truck to the U.S. from Mexico, 2021 (1,000 metric tons)

Commodity	4th qtr 2021	Rank
Avocados	302	1
Cucumbers	256	2
Tomatoes, plum type	248	3
Peppers, other	190	4
Watermelons, seedless	173	5
Limes	167	6
Squash	158	7
Tomatoes	151	8
Peppers, bell type	148	9
Misc Tropical	88	10

Source: USDA, Agricultural Marketing Service (AMS), Specialty Crops Program, Market News Division



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

Commodity	1st qtr 2014	2nd qtr 2014	3rd qtr 2014	4th qtr 2014	Total 2014
Tomatoes (all varieties)	102,223	75,885	41,364	59,367	278,839
Peppers (all varieties)	61,170	32,403	28,315	49,764	171,652
Cucumbers	25,327	8,7584	3,815	20,131	136,857
Avocados	37,704	25,948	26,937	39,197	129,786
Squash	4,7115	30,353	12,534	37,227	127,229
Subtotal	273,539	252,173	112,965	205,686	844,363
Other	218,822	231,589	126,002	166,317	742,730
Total	492,361	483,762	238,967	372,003	1,587,093
Commodity	1st qtr 2015	2nd qtr 2015	3rd qtr 2015	4th qtr 2015	Total 2015
Tomatoes (all varieties)	97,953	71,449	45,992	65,381	280,775
Peppers (all varieties)	44,215	37,154	43,044	49,722	174,135
Cucumbers	59,876	33,752	30,679	47,396	171,703
Avocados	23,537	95,273	7,213	23,195	149,218
Squash	49,684	33,603	15,717	37,875	136,879
Subtotal	275,265	271,231	142,645	223,569	912,710
Other	232,251	250,443	138,828	185,012	806,534
Total	507,516	521,674	281,473	408,581	1,719,244
Commodity	1st qtr 2016	2nd qtr 2016	3rd qtr 2016	4th qtr 2016	Total 2016
Tomatoes (all varieties)	131,455	89,313	51,983	66,534	339,285
Peppers (all varieties)	61,450	40,970	33,631	65,270	201,321
Cucumbers	60,241	37,679	34,993	40,457	173,370
Avocados	21,726	85,723	7,560	33,670	148,679
Squash	48,999	32,842	14,670	39,803	136,314
Subtotal	323,871	286,527	142,837	245,734	998,969
Other	270,078	265,393	157,375	201,602	894,448
Total	593,949	551,920	300,212	447,336	1,893,417
Commodity	1st qtr 2017	2nd qtr 2017	3rd qtr 2017	4th qtr 2017	Total 2017
Tomatoes (all varieties)	107,852	82,194	49,088	73,166	312,300
Peppers (all varieties)	67,566	38,714	31,137	59,172	196,589
Cucumbers	49,565	36,996	32,133	47,015	165,709
Avocados	47,336	32,892	16,064	44,415	140,707
Squash	31,890	68,086	5,264	33,293	138,533
Subtotal	304,209	258,882	133,686	257,061	953,838
Other	291,177	291,747	170,323	205,516	958,763
Total	595,386	550,629	304,009	462,577	1,912,601

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

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Commodity	1st qtr 2018	2nd qtr 2018	3rd qtr 2018	4th qtr 2018	Total 2018
Tomatoes (all varieties)	105,364	79,851	49,278	62,478	296,971
Peppers (all varieties)	74,252	46,390	35,103	57,726	213,471
Cucumbers	55,189	49,914	35,246	49,781	190,130
Avocados	51,964	36,452	14,131	43,288	145,835
Squash	28,829	75,429	6,062	27,782	138,102
Subtotal	315,598	288,036	139,820	241,055	984,509
Other	296,266	281,580	156,781	205,426	940,053
Total	611,864	569,616	296,601	446,481	1,924,562
Commodity	1st qtr 2019	2nd qtr 2019	3rd qtr 2019	4th qtr 2019	Total 2019
Tomatoes (all varieties)	95,760	78,123	55,836	69,366	299,085
Peppers (all varieties)	65,865	45,479	38,006	56,847	206,197
Cucumbers	57,162	25,622	42,135	58,520	183,439
Avocados	24,868	88,165	11,138	30,506	154,677
Squash	48,614	34,729	18,919	41,334	143,596
Subtotal	292,269	272,118	166,034	256,573	986,994
Other	272,760	262,948	182,481	213,013	931,202
Total	565,029	535,066	348,515	469,586	1,918,196
Commodity	1st qtr 2020	2nd qtr 2020	3rd qtr 2020	4th qtr 2020	Total 2020
Tomatoes (all varieties)	105,181	82,796	66,804	83,797	334,784
Peppers (all varieties)	72,764	47,080	39,078	60,235	217,633
Cucumbers	58,796	48,461	45,480	63,907	217,195
Avocados	51,075	71,858	12,878	47,328	154,587
Squash	33,236	3,6687	20,722	38,603	150,683
Subtotal	32,1052	28,6882	184,962	293,870	1,074,882
Other	287,121	304,600	191,721	241,370	1,028,093
Total	608,173	591,482	376,683	535,240	2,102,975
Commodity	1st qtr 2021	2nd qtr 2021	3rd qtr 2021	4th qtr 2021	Total 2021
Tomatoes (all varieties)	119,801	90,736	77,009	87,045	374,591
Peppers (all varieties)	85,890	57,801	42,944	67,413	254,048
Avocados	74,254	58,525	44,100	60,319	237,198
Cucumbers	54,355	81,417	31,188	51,131	184,903
Watermelons	38,041	48,229	14,332	34,991	15,607
Subtotal	372,341	336,708	209,573	300,899	1,208,347
Other	338,366	364,523	232,163	247,863	1,181,488
Total	710,707	701,231	441,736	548,762	2,389,835

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



Mexico Transport Cost Indicator Report



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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 1: Third-quarter 2021 water-route shipment costs \(\\$/mt\) to Veracruz, Mexico](#)
- [Figure 2: Third-quarter 2021 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 \(US\\$/car\), 2021](#)
- [Table 3: Quarterly tariff rail rates plus fuel surcharge for U.S. bulk grain shipments to Mexico, 2021](#)
- [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](#)
- [Table 6: Fruit and vegetable truck rates for shipments between 501 and 1,500 miles crossing the U.S.-Mexico border](#)
- [Table 7: Quarterly U.S.-Mexico border crossing fresh fruit and vegetables truck availability](#)
- [Table 8: Top ten commodities shipped by truck to the U.S. from Mexico, 2021 \(1,000 metric tons\)](#)
- [Table 9: Top five commodities shipped by truck to the U.S. from Mexico \(10,000 lbs\)](#)

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