



Agricultural Refrigerated Truck Quarterly

a quarterly publication of the Agricultural Marketing Service

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NATIONAL SUMMARY

Quarterly Overview

Fruit and Vegetable Shipments

USDA reported first-quarter 2024 U.S. truck shipments of fresh produce were 9.80 million tons—up 8 percent from the previous quarter and up 1 percent from first quarter 2023.

Also, in first quarter 2024, shipments from Mexico were 3.50 million tons—a higher volume than from any other reported origin. Shipments from Mexico accounted for 36 percent of the total reported shipments of fresh fruit and vegetables. Shipments from the next four top regions by volume were as follows: Pacific Northwest (PNW), 1.96 million tons (20 percent of the total); California, 1.90 million tons (19 percent of the total); Arizona, 683,000 tons (7 percent of the total); and finally, Florida, 598,000 tons (6 percent of the total).

These top five commodities accounted for 41 percent of reported truck movements in first quarter 2024:

- ▶ Potatoes (12 percent)
- ▶ Apples (10 percent)
- ▶ Oranges (8 percent)
- ▶ Dry Onions (6 percent)
- ▶ Tangerines (4 percent)

Truck Rates

The table below provides a snapshot of quarterly truck rates for U.S. produce shipments over four mileage categories—1-500; 501-1,500; 1,501-2,500; and 2,501+ miles. Please note the average U.S. truck rates provided below were calculated using weighted regional rates and volumes.

Diesel Fuel

During first quarter 2024, the U.S. diesel fuel price averaged \$3.97 per gallon—down 6 percent from the previous quarter and down 10 percent from the same quarter in 2023.

Average U.S. Truck Rates for Selected Routes Between 501 and 1,500 Miles (\$/Mile)

	0-500 miles	501-1,500 miles	1,501-2,500 miles	2,501+ miles
Q1 2023	6.59	2.84	2.47	1.60
Q2 2023	6.32	2.82	2.33	1.47
Q3 2023	6.74	2.65	2.52	1.35
Q4 2023	5.74	2.68	2.63	1.40
Q1 2024	5.88	2.69	2.45	1.68
Q1 Change from Previous Quarter	2%	< 1%	-7%	20%
Q1 Change from Same Quarter Last Year	-11%	-5%	> -1%	5%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

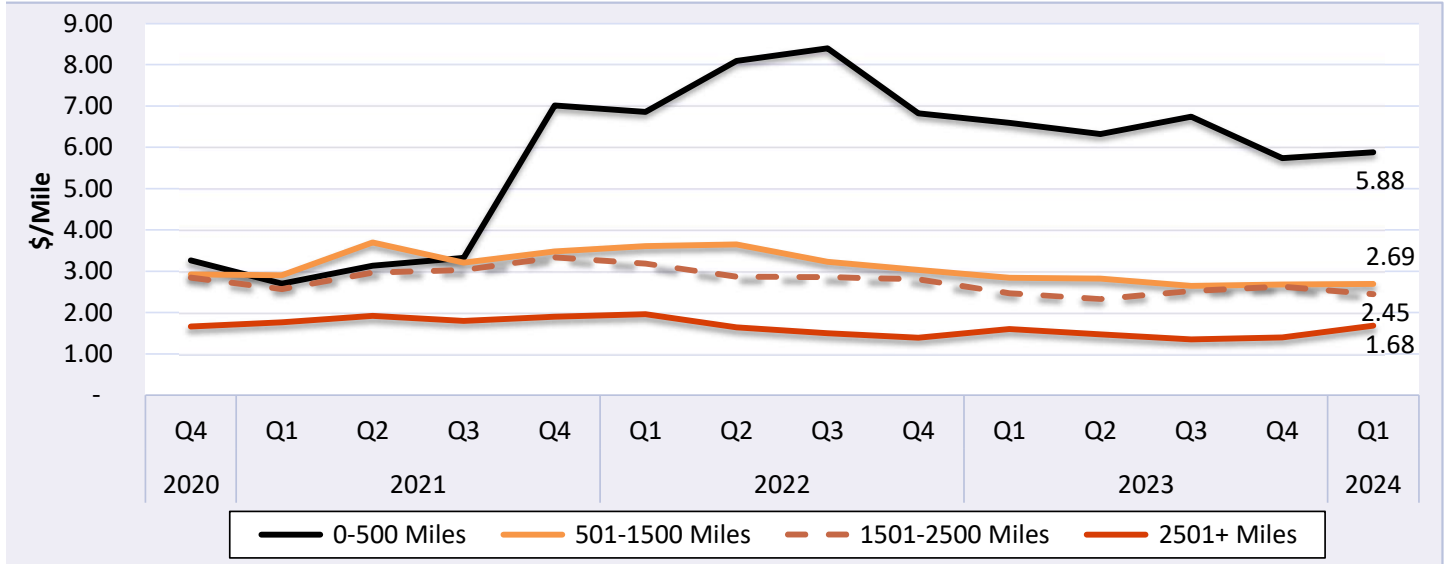
Note: Table values may not conform exactly due to rounding.

Note: The rates for 8 long-haul fruit and vegetable truck corridors are included in the national rate, weighted by commodity and origin volume.



U.S. Truck Rates

Figure 1: Average Truck Rates for Selected Routes (\$/Mile)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: The rates for 8 long-haul fruit and vegetable truck corridors are included in the national rates, weighted by commodity and origin volume.

Table 1: Average U.S. Truck Rates for Selected Routes Between 501 and 1,500 Miles (\$/Mile)

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
2024	2.69			
2023	2.84	2.82	2.65	2.68
2022	3.61	3.65	3.23	3.03
2021	2.90	3.70	3.21	3.48
2020	2.56	2.51	2.56	2.92
2019	2.59	2.60	2.47	2.52
2018	2.82	2.99	2.74	2.84
2017	1.86	2.41	2.33	2.56
2016	2.22	2.37	2.49	2.06
2015	2.47	2.63	2.59	2.36
2014	2.32	2.67	2.64	2.49
2013	2.24	2.60	2.62	2.27
2012	2.10	2.54	2.45	2.29

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: The rates for 8 long-haul fruit and vegetable truck corridors are included in the national rate, weighted by commodity and origin volume.

Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 2: Quarterly Rates for Key Origins by Month; 501-1,500 miles (\$/Mile)

U.S. Origin	1st Quarter, 2024			4th Quarter, 2023		
	January	February	March	October	November	December
Arizona	2.81	2.51	2.55	3.13	3.12	2.59
California	2.69	2.45	2.51	2.83	2.91	2.62
Florida	2.36	2.36	2.24	1.97	1.95	2.27
Great Lakes	4.03	4.03	4.02	4.16	3.99	4.03
Mexico-Arizona	2.80	2.81	2.82	2.40	2.52	2.48
Mexico-Texas	2.86	2.71	2.96	2.78	2.89	2.71
New York	3.18	3.18	3.18	3.18	3.18	3.18
Other	2.96	2.96	2.95	2.96	2.95	2.96
PNW	3.42	3.51	2.98	2.61	2.98	3.31

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: "n/a" indicates rates not available.

Truck Rates for Selected Routes

Table 3: Origin-Destination Truck Rates for Selected Routes, 1st Quarter 2024 (\$/Mile)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	2.63	2.64	2.53	2.29	2.67	8.59	2.72	2.42	2.48	2.60
California	2.61	2.60	2.48	2.24	2.52	12.16	2.62	2.43	2.47	2.33
Florida	2.65	2.34	2.41	1.73	n/a	2.07	2.86	2.50	2.38	n/a
Great Lakes	4.01	4.26	3.96	5.10	3.61	n/a	3.49	4.22	3.92	n/a
Mexico-Arizona	2.58	2.63	2.62	2.43	2.98	2.65	2.86	2.74	2.78	n/a
Mexico-Texas	3.16	2.81	n/a	2.53	3.59	2.28	2.88	2.86	2.95	n/a
New York	3.50	n/a	15.59	n/a	n/a	n/a	2.86	15.00	9.35	n/a
Other	3.13	3.20	2.90	2.91	3.05	n/a	n/a	n/a	n/a	n/a
PNW	3.14	3.12	2.95	2.97	3.12	3.31	2.93	3.20	3.05	8.30

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: "n/a" indicates rates not available.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 4: Origin-Destination Truck Rates for Selected Routes, 1st Quarter 2024 (\$/Truck)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	5,523	6,869	7,342	4,654	3,477	1,288	7,062	6,523	6,585	3,377
California	5,814	7,045	7,507	4,692	3,670	1,362	7,292	6,889	6,868	3,025
Florida	1,304	2,321	3,352	2,133	n/a	5,200	688	2,923	2,598	n/a
Great Lakes	4,506	4,000	5,282	2,062	3,938	n/a	6,263	5,105	5,483	n/a
Mexico-Arizona	4,646	6,188	7,081	4,381	2,917	1,485	6,515	6,850	6,679	n/a
Mexico-Texas	3,638	5,038	n/a	3,615	1,796	3,654	4,408	5,715	5,604	n/a
New York	3,500	n/a	2,650	n/a	n/a	n/a	4,150	2,250	2,150	n/a
Other	2,898	5,725	5,297	2,150	2,225	n/a	n/a	n/a	n/a	n/a
PNW	7,209	7,600	8,048	5,264	5,686	3,297	8,650	8,135	7,605	1,162

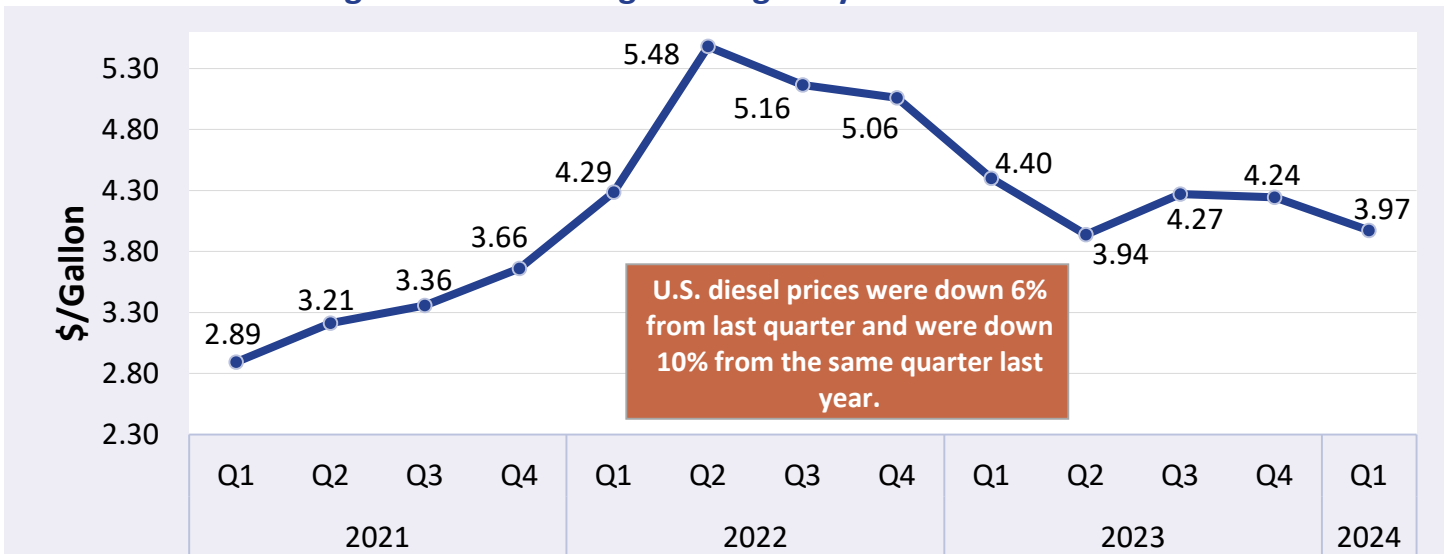
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: "n/a" indicates rates not available.

U.S. Diesel Fuel Prices

The diesel fuel price provides a proxy for trends in U.S. truck rates. Diesel fuel is a significant component underlying truck rates.

Figure 2: U.S. Average On-Highway Diesel Fuel Prices



Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 5: Average Diesel Fuel Prices (All Types)

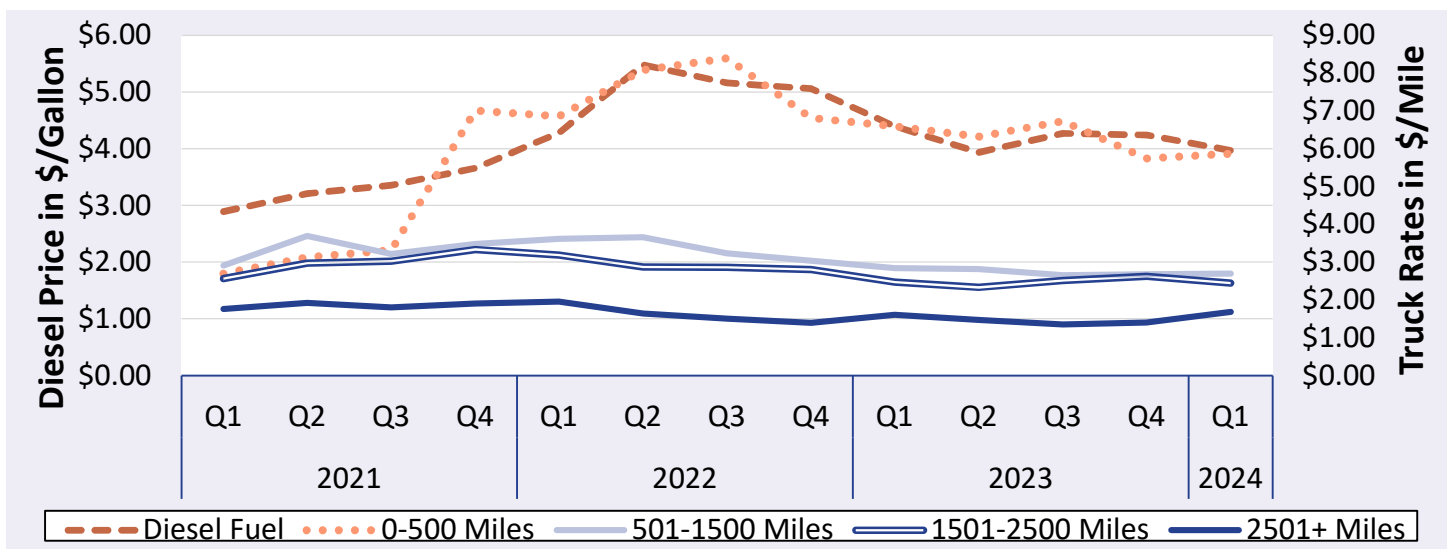
Region	1st Quarter 2024 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	4.10	-3%	-10%
California	5.19	-9%	-4%
New England	4.31	-4%	-13%
Central Atlantic	4.29	-5%	-12%
Lower Atlantic	4.00	-2%	-10%
Gulf Coast	3.70	-5%	-10%
Midwest	3.87	-7%	-9%
Rocky Mountain	3.87	-11%	-16%
West Coast Except California	4.14	-11%	-11%
U.S.	3.97	-6%	-10%

Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.
 Note: Table values may not conform exactly due to rounding.

Relationship Between Diesel Fuel and Truck Rates

The diesel fuel price provides a proxy for trends in U.S. truck rates. Diesel fuel is a significant expense for fruit and vegetable movements.

Figure 3: U.S. Average On-Highway Diesel Fuel Prices and Truck Rates



Sources: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data and Energy Information Administration/U.S. Department of Energy data.
 Note: The rates for 8 long-haul fruit and vegetable truck corridors are included in the national rates, weighted by origin volume.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 6: Average Diesel Fuel Prices and Truck Rates

Year	Quarter	Diesel Fuel (\$/gallon)	Truck Rates (\$/mile) 501-1500 miles	% Change From			
				Last Quarter		Last Year	
				Diesel	Truck	Diesel	Truck
2021	Q1	2.89	2.90	17%	-1%	> -1%	14%
	Q2	3.21	3.70	11%	27%	32%	47%
	Q3	3.36	3.21	5%	-13%	38%	25%
	Q4	3.66	3.48	9%	8%	48%	19%
2022	Q1	4.29	3.61	17%	4%	48%	24%
	Q2	5.48	3.65	28%	1%	71%	-1%
	Q3	5.16	3.23	-6%	-12%	54%	1%
	Q4	5.06	3.03	-2%	-6%	38%	-13%
2023	Q1	4.4	2.84	-13%	-6%	3%	-21%
	Q2	3.94	2.82	-10%	-1%	-28%	-23%
	Q3	4.27	2.65	8%	-6%	-17%	-18%
	Q4	4.24	2.68	-1%	1%	-16%	-12%
2024	Q1	3.97	2.69	-6%	< 1%	-10%	-5%

Sources: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data and Energy Information Administration/U.S. Department of Energy data.

Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Quarterly Truck Availability

Table 7: U.S. Fresh Fruit and Vegetable Truck Availability

Truck availability legend														
1=Surplus		2=Slight surplus			3=Adequate			4=Slight shortage			5=Shortage			
California, Central, And Western Arizona	Commodities	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/5	3/12	3/19	3/26
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	Anise, Artichokes, Beets, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Green Onions, Parsley, Green Peas, Radishes, Spinach	4	3	3	3	3	3	3	3	3	3	3	3	3
Kern District California	Carrots, Grapes	3	3	3	3	3	3	3	3	3	3	3	3	3
Oxnard District California	Artichokes, Brussels Sprouts, Cabbage, Celery, Cilantro, Kale Greens, Parsley, Radishes, Spinach	3	3	3	3	3	3	3	3	3	3	3	3	3
Salinas-Watsonville California	Artichokes, Broccoli, Cauliflower, Celery, Leeks, Iceberg Lettuce, Romaine Lettuce, Parsley	3	3	3	3	3	3	3	3	3	3	3	3	3
San Joaquin Valley California	Pomegranates	3												
Santa Maria California	Broccoli, Cauliflower, Celery, Kale Greens, Iceberg Lettuce, Romaine Lettuce, Parsley	3	3	3	3	3	3	3	3	3	3	3	3	3
South And Central District California	Grapefruit, Lemons, Oranges, Tangelos	3	3	3	3	3	3	3	3	2	3	3	3	3
Florida	Commodities	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/5	3/12	3/19	3/26
Central And South Florida	Green Beans, Cabbage, Celery, Sweet Corn, Cucumbers, Endive, Escarole, Okra, Bell Peppers, Other Peppers, Radishes, Squash, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes	5	3	3	3	3	4	4	3	3	3	3	3	3
Florida	Potatoes										3	3	3	3
Great Lakes (MI & WI)	Commodities	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/5	3/12	3/19	3/26
Central Wisconsin	Dry Onions, Potatoes	3	3	3	3	3	3	3	3	3	1	3	3	3

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Empty cells were not reported. District and availabilities data come from the weekly Specialty Crops Truck Rate reports:

https://mymarketnews.ams.usda.gov/filerepo/reports?field_slug_id_value=2375.

www.ams.usda.gov/services/transportation-analysis/agrtq



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 7, continued: U.S. Fresh Fruit and Vegetable Truck Availability

Truck availability legend														
1=Surplus	2=Slight surplus	3=Adequate	4=Slight shortage	5=Shortage										
U.S.-Mexico border	Commodities	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/5	3/12	3/19	3/26
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	Anise, Artichokes, Beets, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Green Onions, Parsley, Green Peas, Radishes, Spinach	4	3	3	3	3	3	3	3	3	3	3	3	3
Nogales, Arizona	Green Beans, Sweet Corn, Cucumbers, Eggplant, Grapefruit, Honeydews, Lemons, Bell Peppers, Mixed Peppers Mini Sweets, Other Peppers, Acorn Squash, Butternut Squash, Grey Squash, Kabocha Squash, Spaghetti Squash, Yellow Squash Straightneck, Zucchini Squash, Tomatillos, Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons, Cantaloupe, Cherry Tomatoes	4	3	3	3	3	3	3	3	3	4	4	3	3
South Texas	Asparagus, Broccoli, Carrots, Chayote, Cilantro, Cucumbers, Grapefruit, Limes, Mangos, Oranges, Papaya, Anaheim Peppers, Bell Peppers, Habanero Peppers, Jalapeno Peppers, Poblano Peppers, Serrano Peppers, Pineapples, Tomatillos, Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons	1	3	3	1	1	1	1	1	1	3	3	3	3
Pacific Northwest (ID, OR, & WA)	Commodities	1/2	1/9	1/16	1/23	1/30	2/6	2/13	2/20	2/27	3/5	3/12	3/19	3/26
Columbia Basin Washington	Dry Onions, Potatoes	4	4	4	4	4	3	3	3	3	3	1	1	2
Idaho And Malheur County, Oregon	Dry Onions	4	4	4	4	4	3	3	3	3	3	1	1	2
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	3	3	3	3	3	3	3	3	3	3	1	1	2
Yakima Valley And Wenatchee District, Washington	Apples, Pears	3	3	4	4	3	3	3	3	1	1	1	1	1

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

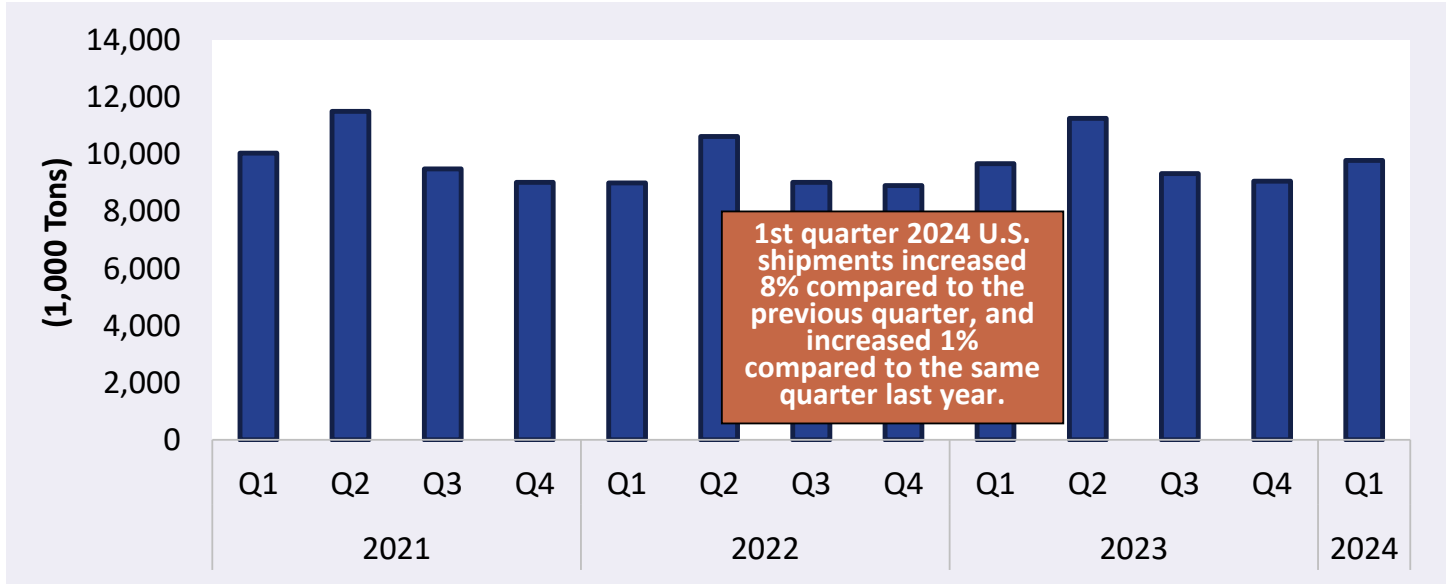
Note: Empty cells were not reported. District and availabilities data come from the weekly Specialty Crops Truck Rate reports:

https://mymarketnews.ams.usda.gov/filerepo/reports?field_slug_id_value=2375.



Reported U.S. Shipments

Figure 4: Reported U.S. Fruit and Vegetable Shipments (1,000 Tons)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Table 8: Reported U.S. Fruit and Vegetable Shipments (1,000 Tons)

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Annual
2024	9,799				9,799
2023	9,685	11,274	9,337	9,067	39,363
2022	9,010	10,636	9,032	8,922	37,600
2021	10,051	11,520	9,498	9,034	40,103
2020	10,081	10,750	9,058	9,007	38,895
2019	9,381	10,246	8,687	8,714	37,028
2018	9,421	10,795	8,789	8,503	37,508
2017	8,072	9,642	8,479	8,267	34,459
2016	8,094	9,761	8,541	8,188	34,583
2015	8,118	9,630	8,324	7,771	33,842
2014	7,733	9,139	8,080	7,725	32,677
2013	7,451	8,972	7,762	7,527	31,712
2012	7,577	9,008	7,774	7,532	31,890
2011	7,007	8,981	7,887	7,988	31,863
2010	7,065	8,881	7,985	7,522	31,454
2009	7,158	8,728	7,990	7,270	31,147
2008	7,059	8,666	7,426	6,904	30,057

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Table values may not conform exactly due to rounding.



Reported Shipments by Selected Commodities

Table 9: Reported Top 10 Commodity Shipments (1,000 Tons)

Commodity	1st Quarter 2024	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Potatoes	1,192	1,213	1,133	-2%	5%
Apples	946	909	710	4%	33%
Oranges	807	420	739	92%	9%
Onions Dry	630	588	674	7%	-6%
Tangerines	433	41	359	953%	21%
Avocados	385	643	760	-40%	-49%
Cucumbers	348	525	677	-34%	-49%
Strawberries	343	247	443	39%	-23%
Peppers, Bell Type	335	345	607	-3%	-45%
Tomatoes	324	521	605	-38%	-47%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Table values may not conform exactly due to rounding.

Table 10: Reported Top 10 Regions (1,000 Tons)

Origin	1st Quarter 2024 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3,500	32%	-5%
PNW	1,959	5%	31%
California	1,902	-13%	1%
Arizona	683	67%	-4%
Florida	598	105%	-8%
Canada	280	-46%	-19%
Great Lakes	223	-20%	14%
Colorado	219	-7%	-3%
Texas	95	2%	-20%
New York	87	-36%	-9%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Table values may not conform exactly due to rounding.

Note: Due to a lack of rate and availability data, Canada is excluded from the Regional Markets section of this report.



REGIONAL MARKETS

U.S. Mexico Border

Volume

Total reported shipments of fruit and vegetables from Mexico in first quarter 2024 were 3.50 million tons—5 percent lower than first quarter 2023 (year to year). The summed volume of the top five commodities shipped from the U.S. Mexico border decreased 3 percent year to year. Four of the top five commodities saw year-to-year volume decreases in the first quarter, including tomatoes (down 15 percent); cucumbers (down 8 percent); bell peppers (down 3 percent); and avocados (down 1 percent). Shipments of plum tomatoes increased 10 percent.

Rates

In first quarter 2024, truck rates for shipments between 501 miles and 1,500 miles from Arizona-Mexico border crossings averaged \$2.81 per mile—up 14 percent quarter to quarter and down 2 percent year to year. Rates for shipments between 501 miles and 1,500 miles from Texas-Mexico border crossings averaged \$2.85 per mile—up 2 percent quarter to quarter and down 8 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$4.14 per gallon—down 11 percent quarter to quarter and down 11 percent year to year. Diesel fuel prices for border crossings from Texas averaged \$3.70—down 5 percent quarter to quarter and down 10 percent year to year. Mexico crossings through Calexico and San Luis reported average truck availability throughout the quarter. Mexico crossings through Nogales, AZ, also reported adequate truck availability throughout the quarter. Mexico crossings through South Texas reported a slight surplus of trucks in January, a surplus of trucks in February, and average truck availability in March.

Table 11: Reported Top Five Commodities Shipped from Mexico (1,000 tons)

Commodity	1st Quarter 2024	Share of Mexico-Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Avocados	373	11%	320	379	17%	-1%
Cucumbers	289	8%	217	313	33%	-8%
Tomatoes, Plum Type	281	8%	212	256	33%	10%
Peppers, Bell Type	263	8%	115	270	128%	-3%
Tomatoes	201	6%	173	235	16%	-15%
Top 5 Total	1,408	40%	1,038	1,453	36%	-3%
Mexico Total	3,500	100%	2,658	3,677	32%	-5%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter or a percentage change with an at- or near-zero denominator.

Note: Table values may not conform exactly due to rounding.



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Table 12: Top 5 Commodities Shipped to U.S. from Mexico by State of Entry (1,000 tons)

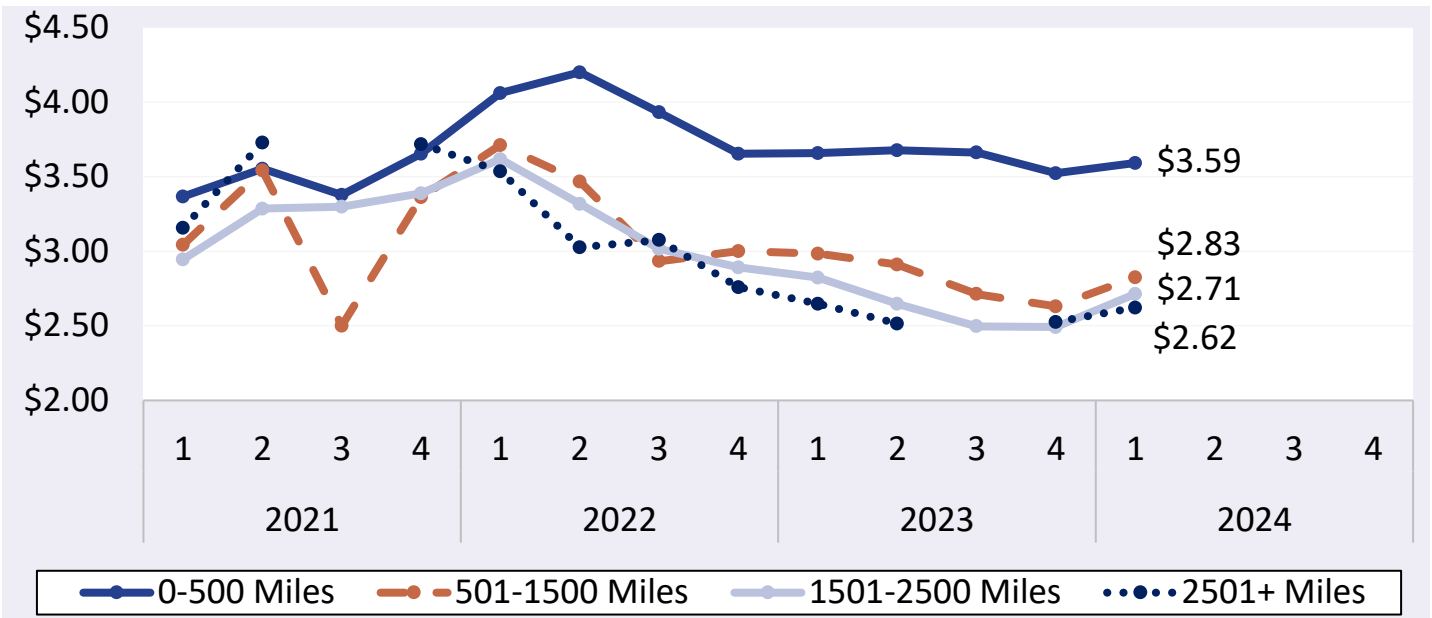
Texas		California		Arizona		New Mexico	
Commodity	1st Quarter 2024	Commodity	1st Quarter 2024	Commodity	1st Quarter 2024	Commodity	1st Quarter 2024
Avocados	365	Strawberries	53	Cucumbers	187	Peppers, Other	36
Limes	130	Asparagus	49	Peppers, Bell Type	162	Misc Tropical	1
Tomatoes, Plum Type	125	Onions Green	48	Tomatoes, Plum Type	138	Watermelons, Seedless	< 1
Tomatoes	120	Misc Tropical	41	Squash	123		
Strawberries	110	Lettuce, Romaine	31	Tomatoes	74		
Mexico through TX Total	1,843	Mexico through CA Total	533	Mexico through AZ Total	1,087	Mexico through NM Total	38

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

Figure 5: Truck Rates from U.S.-Mexico Border (\$/Mile by Distance Traveled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

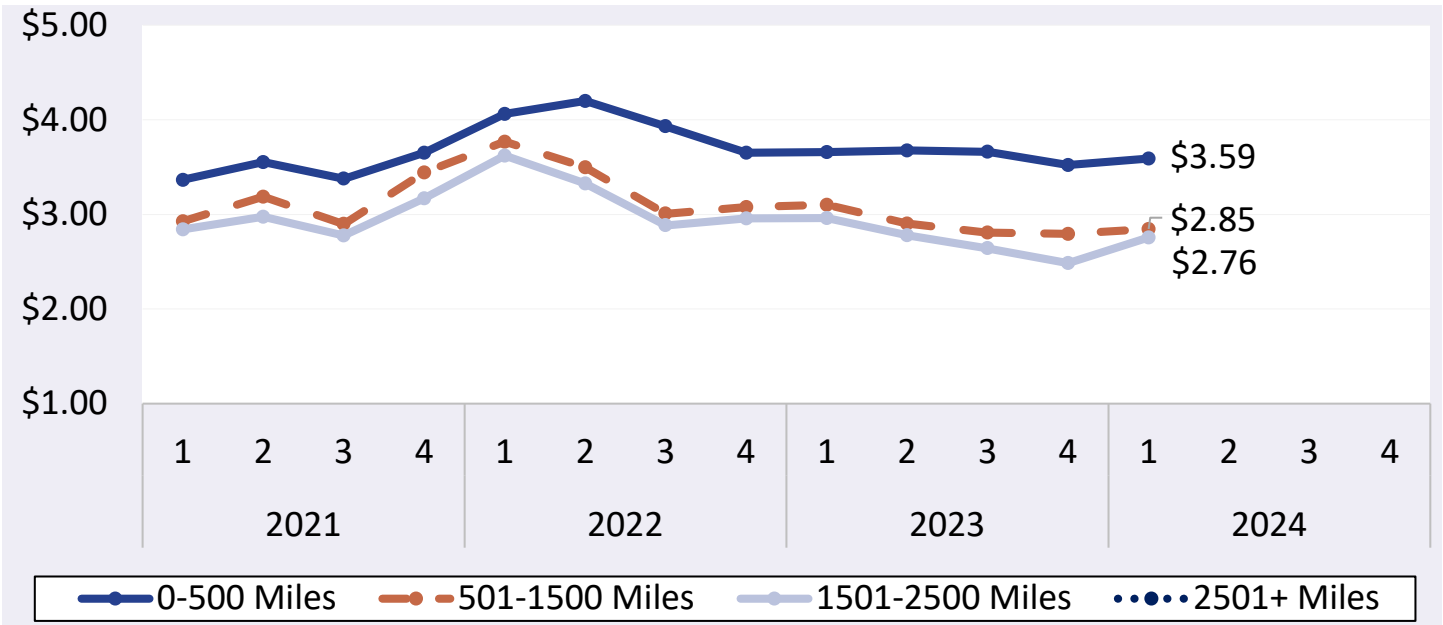
Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

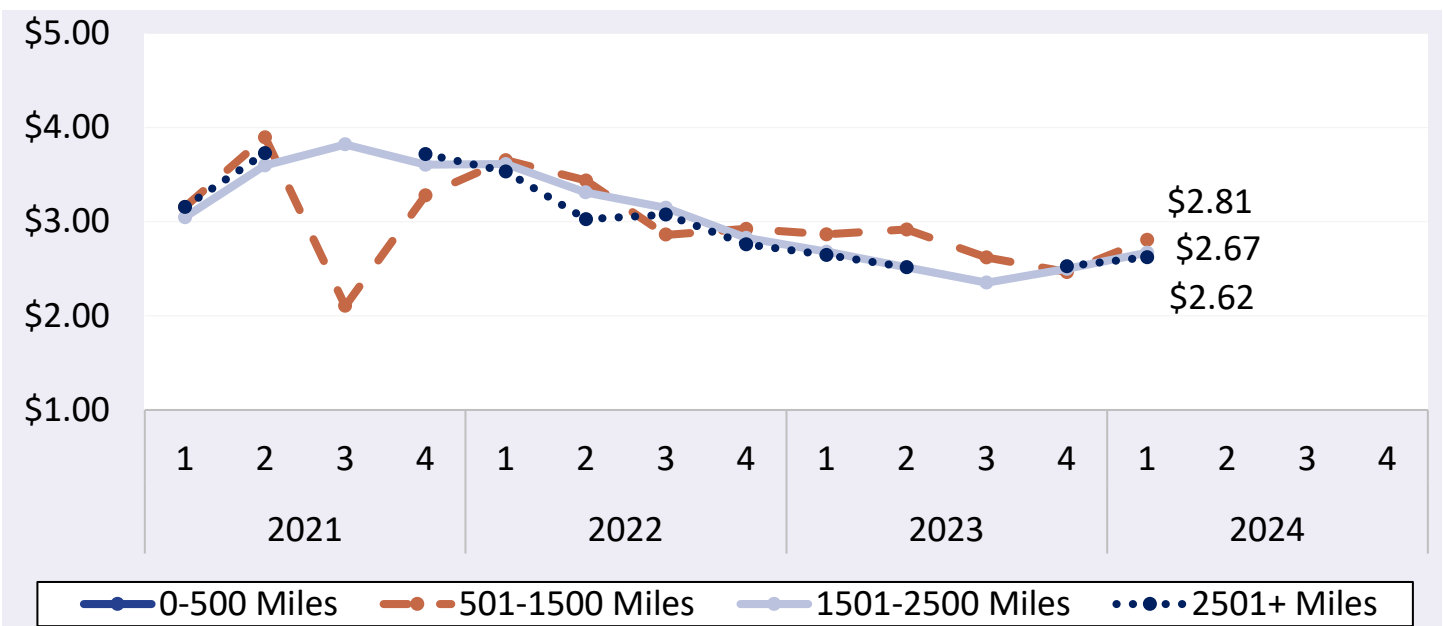
Quarter 1, 2024

Figure 6: Texas Truck Rates from U.S.-Mexico Border (\$/Mile by Distance Traveled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. Any gaps in the chart lines are the result of quarters with no reported data for the region.

Figure 7: Arizona Truck Rates from U.S.-Mexico Border (\$/Mile by Distance Traveled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Table 13: Truck Overview from the U.S.-Mexico Border
(Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	3.28	3	3	3.09
Mexico Crossings Through Nogales, Arizona	3.2	3	3.29	3.16
Mexico Crossings Through South Texas	1.78	1	3	1.93
Regional Average Availability	2.75	2.33	3.10	2.73
Diesel Fuel Price (\$/gallon), through Texas	3.58	3.80	3.72	3.70
Diesel Fuel Price (\$/gallon), through Arizona	4.06	4.2	4.16	4.14

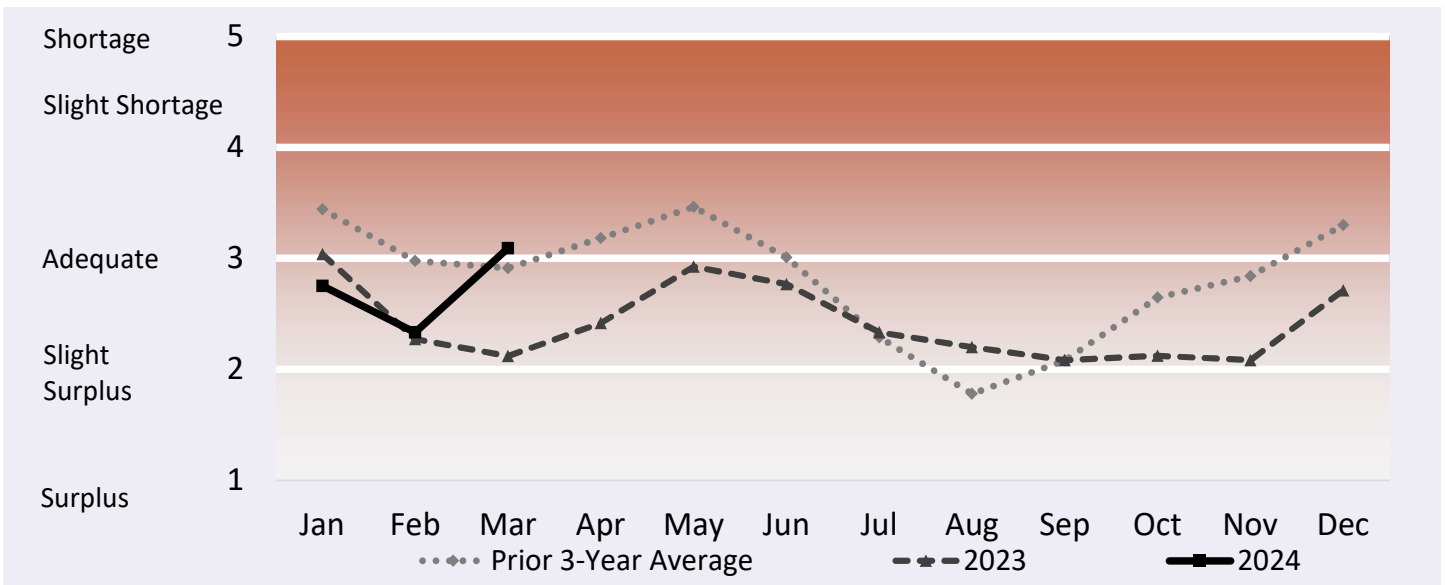
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.

Figure 8: Refrigerated Truck Availability Monthly Ratings from the U.S-Mexico Border



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

PNW

Volume

In first quarter 2024, USDA reported total shipments of fruit and vegetables from PNW were 1.96 million tons—up 31 percent from first quarter 2023. The summed volume of the top four commodities shipped from PNW also increased 31 percent year to year. All of the top four commodities saw year-to-year volume increases, including apples (up 40 percent); dry onions (up 33 percent); potatoes (up 24 percent); and pears (up 11 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.31 per mile—up 13 percent quarter to quarter and up 4 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.14 per gallon—down 11 percent quarter to quarter and down 11 percent year to year. The Columbia Basin district and Idaho and Malheur County district both reported a slight shortage of trucks in January, adequate truck availability in February, and a slight surplus of trucks in March. The Twin Falls-Burley district reported adequate truck availability in January and February, and a slight surplus of trucks in March. The Yakima Valley and Wenatchee district reported average truck availability in January and February, and a surplus of trucks in March.

Table 14: Reported Top Five Commodities Shipped from PNW (1,000 tons)

Commodity	1st Quarter 2024	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	806	41%	746	575	8%	40%
Potatoes	533	27%	499	429	7%	24%
Onions Dry	481	25%	466	363	3%	33%
Pears	139	7%	164	126	-15%	11%
-	-	-	-	-	-	-
Top 5 Total	1,959	100%	1,874	1,493	5%	31%
PNW Total	1,959	100%	1,874	1,493	5%	31%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter or a percentage change with an at- or near-zero denominator.

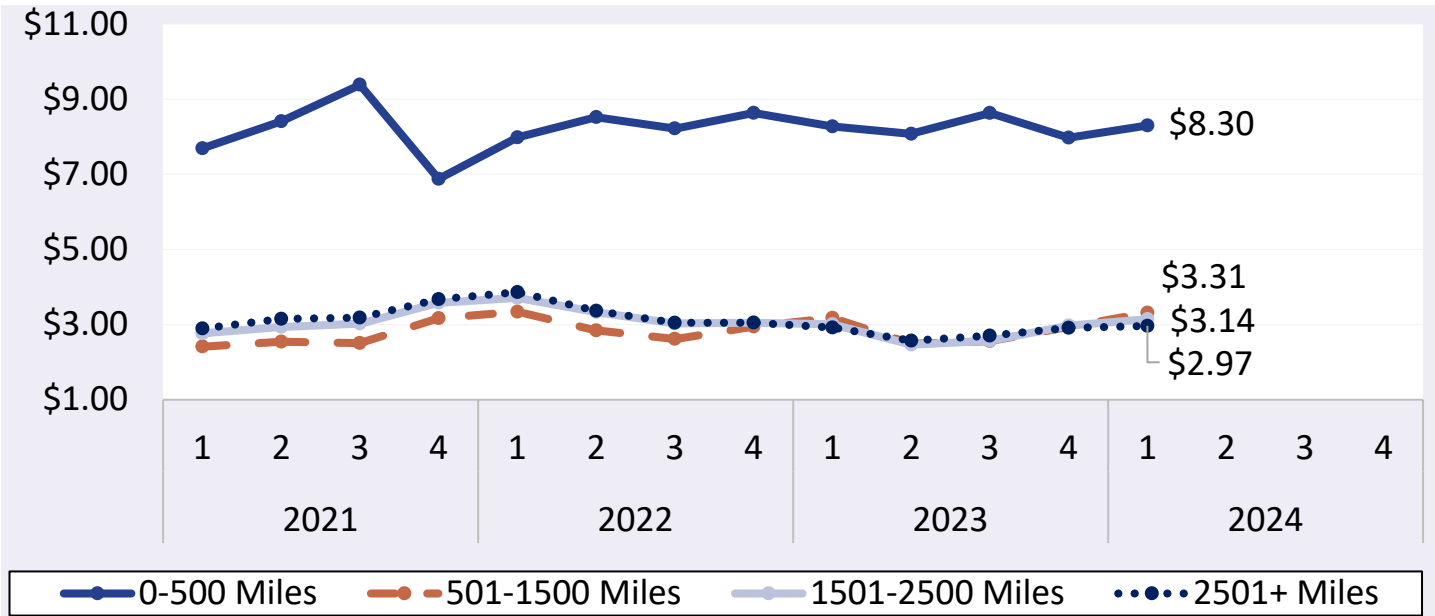
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Figure 9: PNW Truck Rates (\$/Mile by Distance Travelled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.

Table 15: PNW Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Columbia Basin Washington	4	3.2	1.8	3
Idaho And Malheur County, Oregon	4	3	1.75	2.92
Upper Valley, Twin Falls-Burley District Idaho	3	3	1.75	2.58
Yakima Valley And Wenatchee District, Washington	3.32	2.5	1	2.27
Regional Average Availability	3.58	2.93	1.58	2.69
Diesel Fuel Price (\$/gallon)	4.06	4.2	4.16	4.14

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

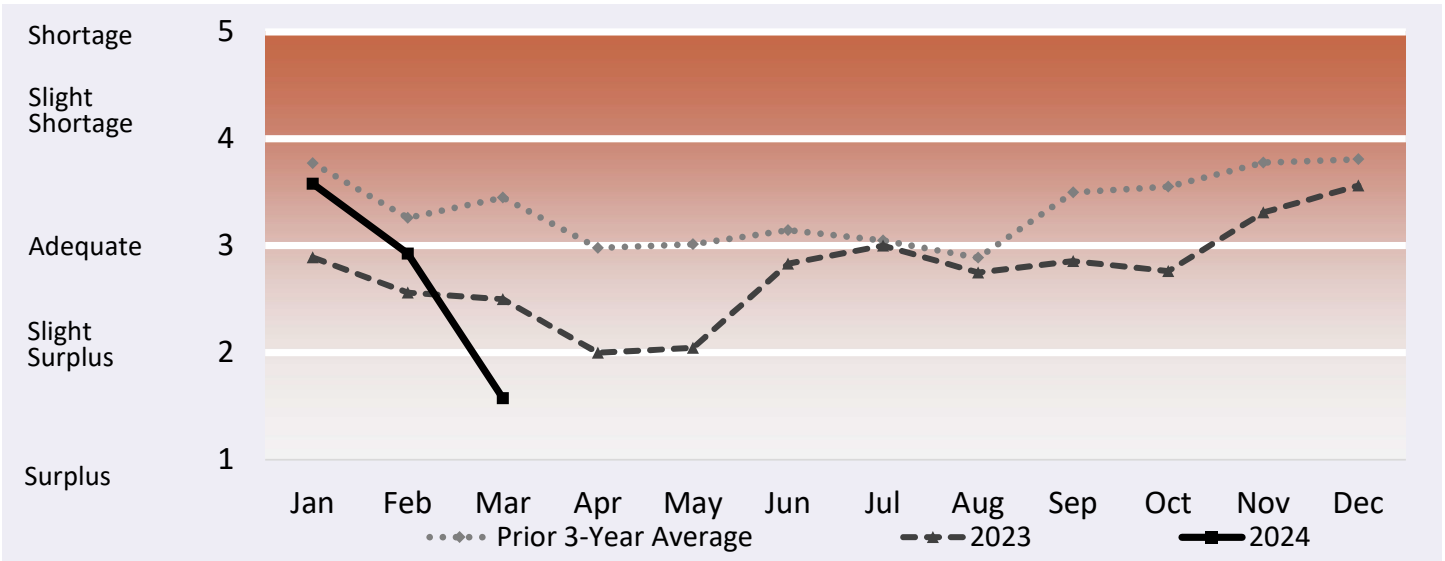
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Figure 10: Refrigerated Truck Availability Monthly Ratings for PNW



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. Any gaps in the chart lines are the result of quarters with no reported data for the region.



California

Volume

In first quarter 2024, total reported shipments of fruit and vegetables from California were 1.90 million tons, up 1 percent year to year. The summed volume of the top five commodities shipped from California increased 3 percent year to year. Three of the top five commodities saw year-to-year volume increases, including strawberries (up 121 percent); tangerines (up 23 percent); and oranges (up 13 percent). Shipments of lemons decreased 41 percent, and shipments of celery decreased 16 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.56 per mile—down 8 percent quarter to quarter and down 17 percent year to year.

Truck Overview

Diesel fuel prices averaged \$5.19 per gallon—down 9 percent quarter to quarter and down 4 percent year to year. The San Joaquin Valley district reported adequate truck availability in January, and did not report in February and March. All remaining districts reported adequate truck availability throughout the quarter.

Table 16: Reported Top Five Commodities Shipped from California (1,000 tons)

Commodity	1st Quarter 2024	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Oranges	733	39%	361	651	103%	13%
Tangerines	425	22%	36	346	1,085%	23%
Lemons	201	11%	230	339	-13%	-41%
Celery	87	5%	172	103	-50%	-16%
Strawberries	72	4%	153	33	-53%	121%
Top 5 Total	1,518	80%	951	1,471	60%	3%
California Total	1,902	100%	2,197	1,891	-13%	1%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter or a percentage change with an at- or near-zero denominator.

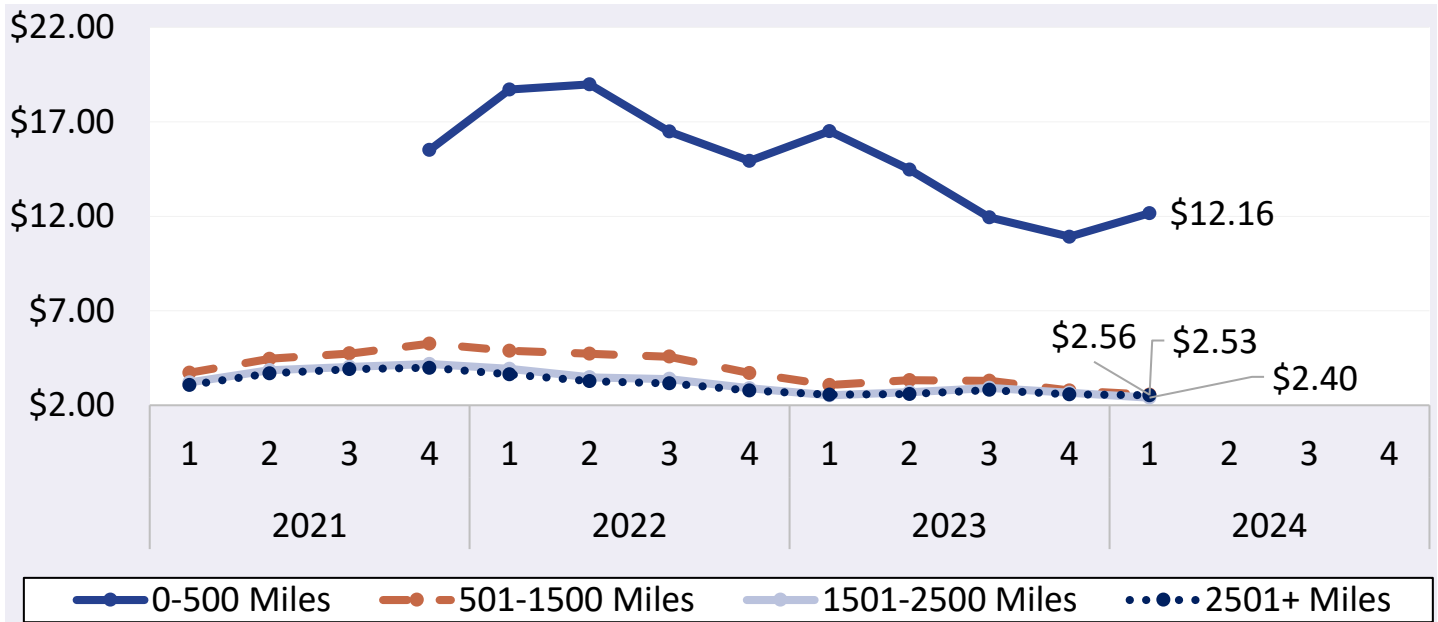
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Figure 11: California Truck Rates (\$/Mile by Distance Travelled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.

Table 17: California Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Kern District California	3	3	3	3
Oxnard District California	3.13	3	3	3.04
Salinas-Watsonville California	3.09	3	3	3.03
San Joaquin Valley California	3	-	-	3
Santa Maria California	3.05	3	3	3.02
South And Central District California	3	2.75	3	2.92
Regional Average Availability	3.05	2.95	3	3.00
Diesel Fuel Price (\$/gallon)	5.13	5.21	5.22	5.19

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

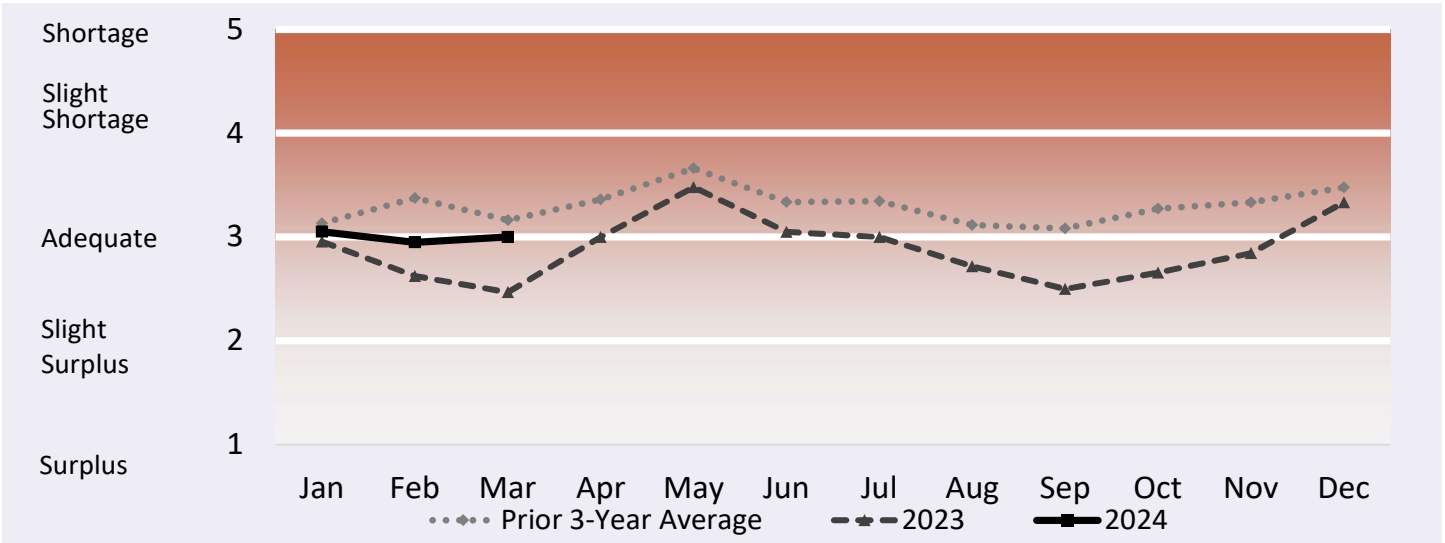
Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



Figure 12: Refrigerated Truck Availability Monthly Ratings for California



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Arizona

Volume

During first quarter 2024, total reported shipments of fruit and vegetables from Arizona were 683,000 tons—down 4 percent from first quarter 2023. The summed volume of the top five commodities shipped from Arizona decreased 7 percent year to year. All of the top five commodities saw year-to-year volume decreases in the first quarter, including processed lettuce (down 29 percent); celery (down 9 percent); iceberg lettuce (down 1 percent); romaine lettuce (down less than 1 percent); and cauliflower (down less than 1 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.64 per mile—down 11 percent quarter to quarter and down 9 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.14 per gallon—down 11 percent quarter to quarter and down 11 percent year to year. The district that includes Imperial, CA, Coachella Valley, CA, and Central and Western AZ, reported adequate truck availability throughout the quarter.

Table 18: Reported Top Five Commodities Shipped from Arizona (1,000 tons)

Commodity	1st Quarter 2024	Share of Arizona Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Lettuce, Iceberg	187	27%	117	189	61%	-1%
Lettuce, Romaine	187	27%	112	187	67%	> -1%
Lettuce, Processed	87	13%	56	122	57%	-29%
Celery	60	9%	2	66	2,675%	-9%
Cauliflower	34	5%	15	34	137%	> -1%
Top 5 Total	555	81%	301	599	85%	-7%
Arizona Total	683	100%	409	708	67%	-4%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter or a percentage change with an at- or near-zero denominator.

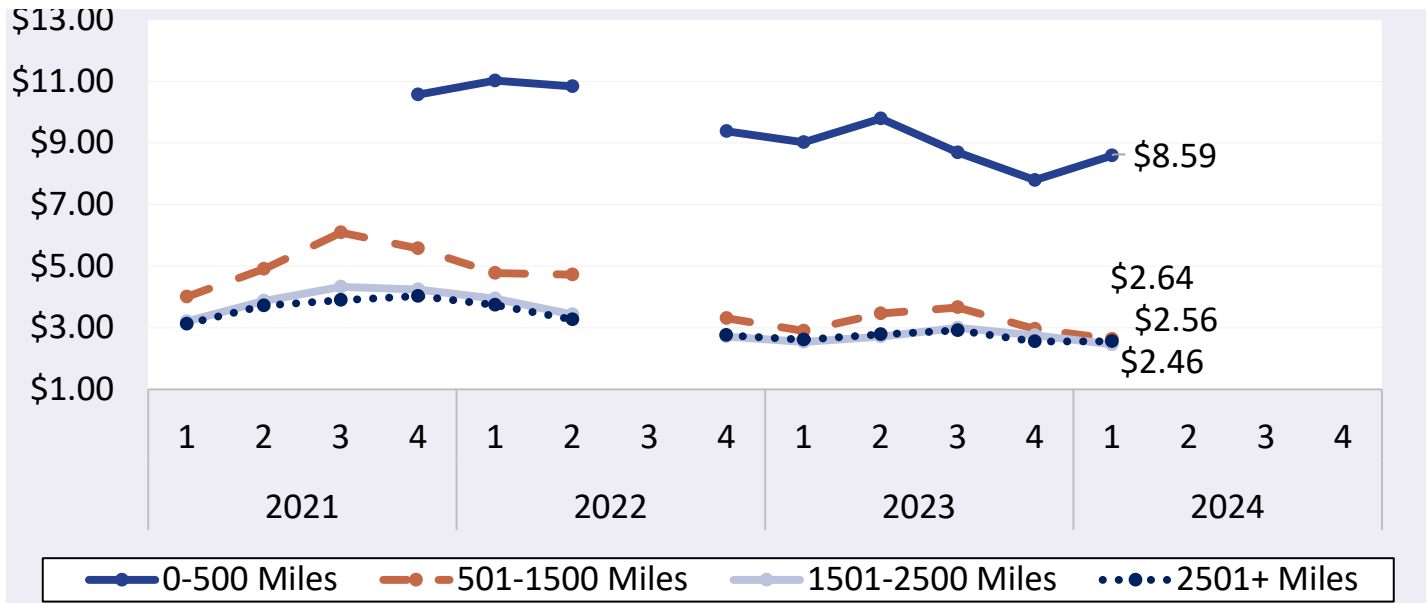
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Figure 13: Arizona Truck Rates (\$/Mile by Distance Travelled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.

Table 19: Arizona Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	3.28	3	3	3.09
Regional Average Availability	3.28	3	3	3.09
Diesel Fuel Price (\$/gallon)	4.06	4.2	4.16	4.14

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

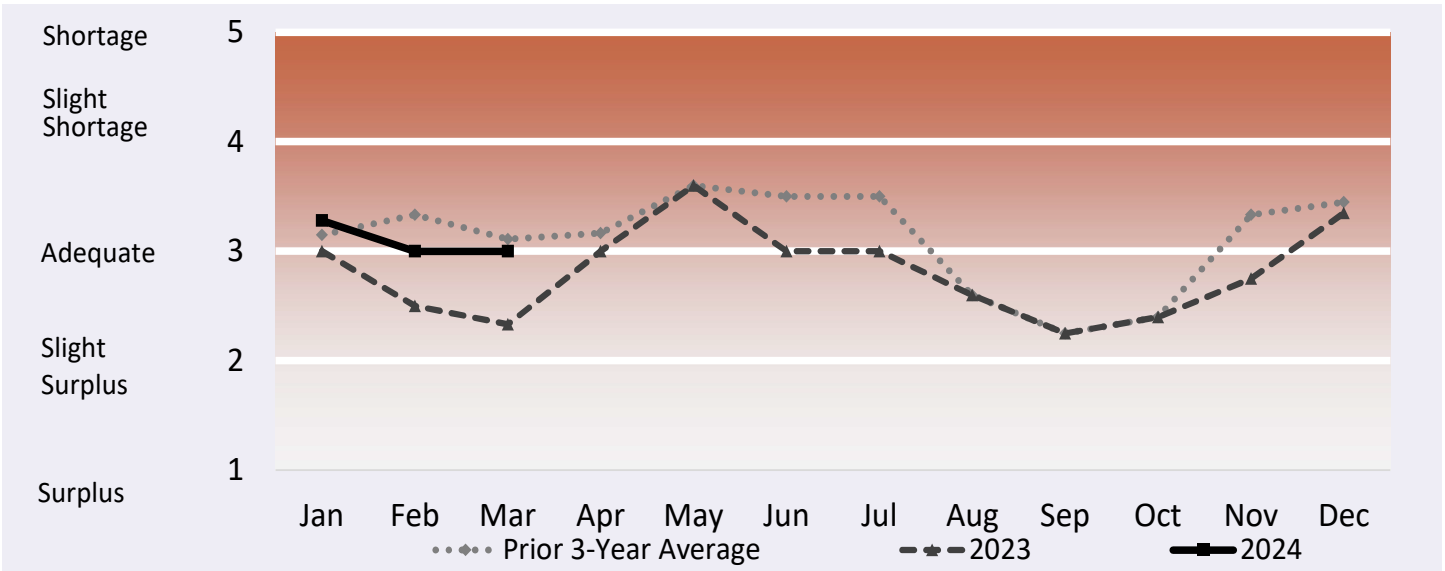
Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



Figure 14: Refrigerated Truck Availability Monthly Ratings for Arizona



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. Any gaps in the chart lines are the result of quarters with no reported data for the region.



Florida

Volume

Total reported shipments of fruit and vegetables from Florida in first quarter 2024 were 598,000 tons, down 8 percent year to year. The summed volume of the top five commodities shipped from Florida decreased 5 percent year to year. Three of the top five commodities saw year-to-year volume decreases in the fourth quarter, including sweet corn (down 16 percent); tomatoes (down 13 percent); and strawberries (down 3 percent). Shipments of cabbage increased 9 percent, and shipments of bell peppers increased 4 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.32 per mile—up 13 percent quarter to quarter, but down 2 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.00 per gallon—down 2 percent quarter to quarter and down 10 percent year to year. The Central and South Florida district reported adequate availability throughout the quarter. The Florida district did not report in January and February, and reported adequate truck availability in March.

Table 20: Reported Top Five Commodities Shipped from Florida (1,000 tons)

Commodity	1st Quarter 2024	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Strawberries	107	18%	20	110	448%	-3%
Tomatoes	87	15%	88	101	-1%	-13%
Cabbage	70	12%	3	64	1,994%	9%
Corn-Sweet	52	9%	17	62	199%	-16%
Peppers, Bell Type	51	9%	19	49	164%	4%
Top 5 Total	367	61%	148	385	149%	-5%
Florida Total	598	100%	291	651	105%	-8%

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Any "-" in the table indicates no reported shipments during the quarter or a percentage change with an at- or near-zero denominator.

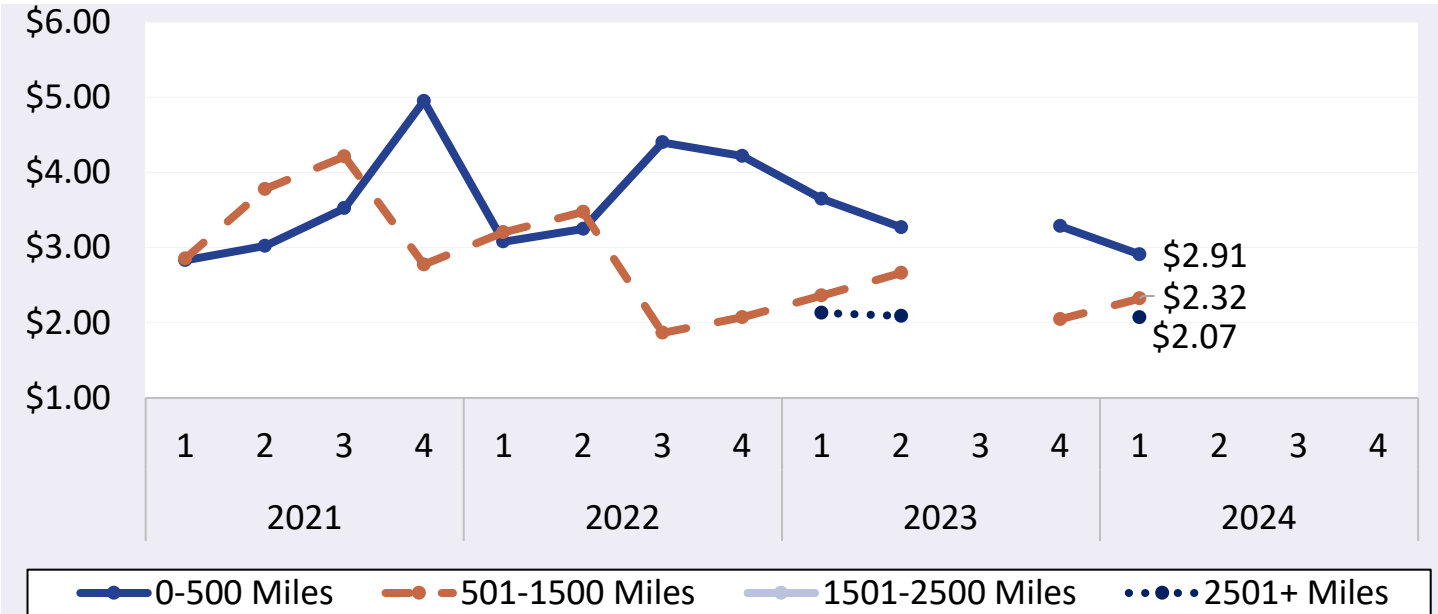
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2024

Figure 15: Florida Truck Rates (\$/Mile by Distance Travelled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.

Table 21: Florida Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Central And South Florida	3.4	3.33	3.08	3.27
Florida	-	-	3	3
Regional Average Availability	3.4	3.33	3.04	3.26
Diesel Fuel Price (\$/gallon)	3.87	4.10	4.05	4.00

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

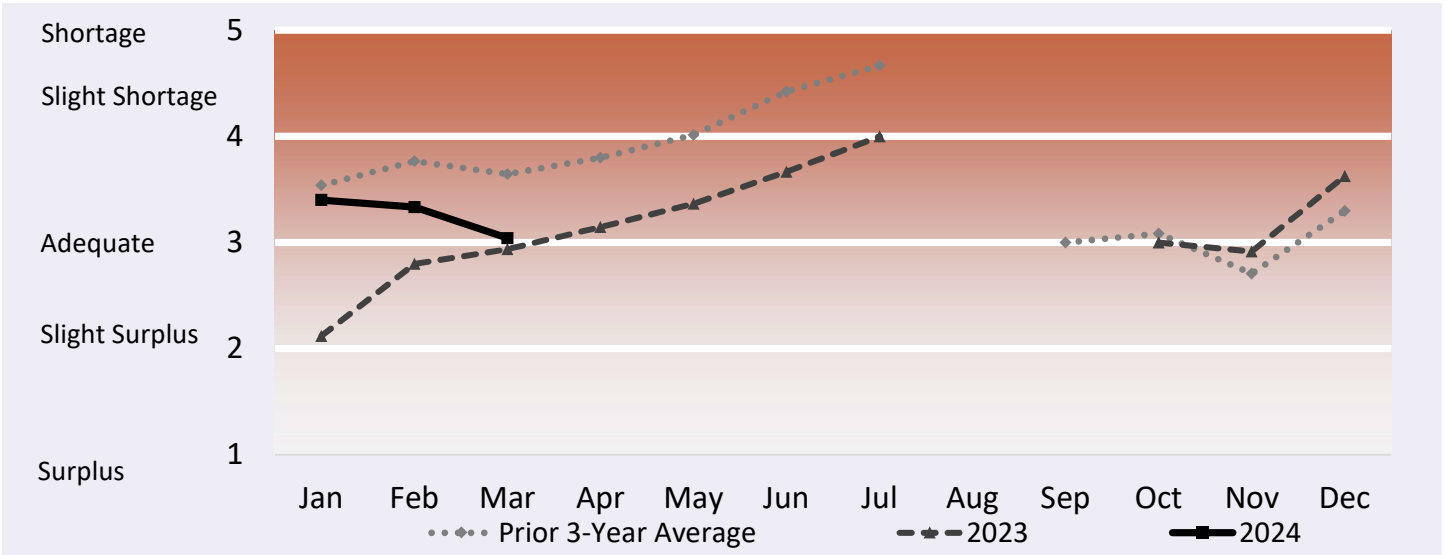
Any "-" in the table indicates no reported shipments during the quarter.

Note: Table values may not conform exactly due to rounding.

Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



Figure 16: Refrigerated Truck Availability Monthly Ratings for Florida



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any gaps in the chart lines are the result of quarters with no reported data for the region.



ADDITIONAL INFORMATION

Terms and References

Data Reporting and Publication Window

The publication date of each Agricultural Refrigerated Truck Quarterly (AgRTQ) depends on the timing of data reporting. Reporting of truck shipments in some regions can be delayed 2-3 months past their respective quarter. We publish the AgRTQ one month after that lag in order to capture a more complete picture of truck shipments during the quarter.

Data Sources

This information is compiled from the weekly Specialty Crops Truck Rate Report by USDA, Agricultural Marketing Service (AMS), Specialty Crops Program, Market News Division. The website is:

<https://www.marketnews.usda.gov/mnp/fv-home>.

Regional Markets

For the regional markets, some States are grouped into producing regions. The Pacific Northwest region includes Idaho, Oregon, and Washington. The Great Lakes region includes Michigan, Minnesota, and Wisconsin. The Southeast region includes North Carolina, South Carolina and Georgia.

Shipment Volumes

Truck shipments for all commodities and origins are not available. Those obtainable are reported, but should not be interpreted as representing complete movements of a commodity. Truck shipments from all States are collected at shipping points and include both interstate and intrastate movements. They are obtained from various sources, including Federal marketing orders, administrative committees, Federal State Inspection Service, and shippers. Volume amounts are represented in 10,000 pound units, or 1,000 10-lb packages but are converted to 1,000 tons for this report. Mexican border crossings through Arizona and Texas data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border and Protection (CBP) through USDA, AMS, Market News.

Rates

This information is compiled from the weekly Specialty Crops Truck Rate Report. Rates quoted represent open (spot) market rates that shippers or receivers pay depending on basis of sale, per load, including truck brokers fees for shipments in truck load volume to a single destination. Extra charges for delivery to terminal markets, multipickup and multidrop shipments are not included unless otherwise stated. Rates are based on the most usual loads in 48-53 foot trailers from the origin shipping area to the destination receiving city. In areas where rates are based on package rates, per load rates were derived by multiplying the package rate by the number of packages in the most usual load in a 48-53 foot trailer. Slightly cheaper rates will be reported during Quarters 2 and 3 as about 50 percent of onion shipments from California are hauled on open flatbed trailers. During Quarter 3, less than 20 percent of onions hauled from Washington, Idaho, and Oregon are on open flatbeds.

Regional Rates

Rate data for 10 destination markets are used to calculate average origin regional rates.

National Rates

The national rates reflect the average of the regional rates, separated by mileage category and weighted by volume between origin and destination.



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Related Websites

USDA's Agricultural Transportation Open Data Platform

<https://agtransport.usda.gov/>

Specialty Crops Program

<https://www.ams.usda.gov/about-ams/programs-offices/specialty-crops-program>

Specialty Crops Truck Rate Report

https://mymarketnews.ams.usda.gov/filerepo/reports?field_slug_id_value=2375

Specialty Crops Movement Reporting

<https://www.marketnews.usda.gov/mnp/fv-report-config-step1?type=movement>

Economic Research Service Vegetable and Pulses

<https://www.ers.usda.gov/topics/crops/vegetables-pulses/>

Economic Research Service Fruit and Tree Nuts

<https://www.ers.usda.gov/topics/crops/fruit-tree-nuts.aspx>

National Agricultural Statistics Service, Crops

https://www.nass.usda.gov/Statistics_by_Subject/index.php?sector=CROPS

Refrigerated Truck Quarterly Datasets

<https://www.ams.usda.gov/services/transportation-analysis/agricultural-refrigerated-truck-quarterly-datasets>

Protecting Perishable Foods During Transport by Truck and Rail

<https://edis.ifas.ufl.edu/pdffiles/HS/HS132800.pdf>

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