



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 2022 U.S. truck shipments of fresh produce were 9.01 million tons—down slightly from the previous quarter, but down 10 percent from first quarter 2021.

Also, in first quarter 2022, shipments from Mexico were 3.37 million tons, higher than those from any other reported origin. Shipments from Mexico accounted for 37 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), 1.59 million tons (18 percent of the total); California, 1.43 million tons (16 percent of the total); Arizona, 686,000 tons (8 percent of the total); and finally, Florida, 671,000 tons (7 percent of the total).

These top five commodities accounted for 30 percent of reported truck movements in fourth quarter 2021:

- ▶ Potatoes (9 percent)
- ▶ Apples (6 percent)
- ▶ Plum Tomatoes (5 percent)
- ▶ Avocados (5 percent)
- ▶ Cucumbers (5 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 U.S. average truck rates provided below were calculated using weighted regional rates and volumes.

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 2021	2.70	2.90	2.57	1.76
Q2 2021	3.13	3.70	2.97	1.92
Q3 2021	3.32	3.21	3.03	1.80
Q4 2021	7.01	3.48	3.34	1.90
Q1 2022	6.86	3.61	3.19	1.96
Q1 Change from Previous Quarter	-2%	4%	-4%	3%
Q1 Change from Same Quarter Last Year	154%	24%	24%	11%

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.

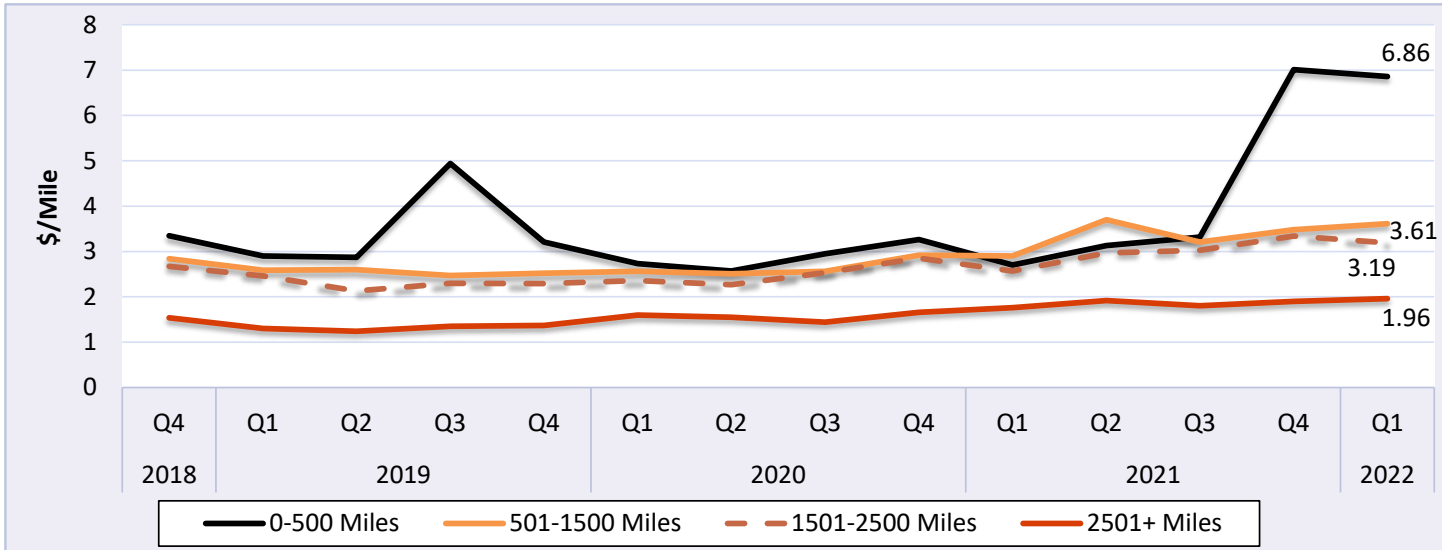
Diesel Fuel

In first quarter 2022, U.S. diesel fuel prices averaged \$4.29 per gallon—up 17 percent from the previous quarter and up 48 percent from first quarter 2021.



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
2022	3.61			
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
2011	2.02	2.60	2.77	2.26
2010	1.82	2.21	2.33	1.94

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

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

U.S. Origin	1st Quarter, 2022			4th Quarter, 2021		
	January	February	March	October	November	December
Arizona	5.52	4.55	4.58	n/a	n/a	5.58
California	5.31	4.85	4.60	5.07	5.37	5.29
Florida	3.13	3.17	3.27	2.59	2.64	3.20
Great Lakes	5.02	5.06	5.08	5.04	5.06	5.07
Mexico-Arizona	4.11	3.63	3.31	3.03	3.30	3.48
Mexico-Texas	3.95	3.60	3.76	3.11	3.40	3.83
New York	4.99	4.47	4.88	3.86	3.86	3.86
Other	3.21	3.34	3.55	2.82	2.86	3.13
PNW	3.63	3.36	3.10	2.92	3.23	3.34
Southeast	4.68	4.98	5.21	6.71	4.49	4.63

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 2022 (\$/Mile)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	4.06	3.73	n/a	3.83	5.42	11.03	n/a	3.74	n/a	3.93
California	3.96	3.66	3.52	3.81	5.02	18.72	3.95	3.66	3.59	4.23
Florida	3.15	3.31	3.28	2.43	n/a	n/a	3.25	3.58	3.23	n/a
Great Lakes	5.10	5.40	4.53	5.48	3.98	n/a	4.20	5.51	5.28	n/a
Mexico-Arizona	3.78	3.59	3.54	3.53	3.98	3.33	3.53	3.63	3.63	n/a
Mexico-Texas	4.03	4.01	3.78	3.51	4.06	2.54	3.56	4.08	3.99	3.41
New York	5.27	10.72	23.10	n/a	n/a	n/a	4.31	22.54	15.89	n/a
Other	3.60	3.38	3.35	3.25	3.24	n/a	n/a	3.69	3.43	n/a
PNW	3.82	3.75	3.77	3.64	3.75	3.34	3.61	4.08	3.74	7.98
Southeast	6.65	6.42	5.41	5.11	n/a	n/a	3.90	5.49	5.64	n/a

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, 2022

Table 4: Origin-Destination Truck Rates for Selected Routes, 1st Quarter 2022 (\$/Truck)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	8,519	9,708	n/a	7,777	7,046	1,654	n/a	10,096	n/a	5,115
California	8,551	9,783	10,599	7,862	7,119	1,619	10,419	10,166	9,967	5,496
Florida	1,550	3,277	4,554	2,985	n/a	n/a	780	4,092	3,428	n/a
Great Lakes	5,137	4,454	6,066	1,901	4,415	n/a	7,342	4,612	4,767	n/a
Mexico-Arizona	6,808	8,435	9,546	6,350	3,900	1,865	8,023	9,073	8,708	n/a
Mexico-Texas	4,631	7,169	8,308	5,023	2,031	4,058	5,446	8,169	7,573	8,173
New York	5,269	3,538	3,927	n/a	n/a	n/a	6,242	3,381	3,654	n/a
Other	3,085	6,055	5,985	2,408	2,363	n/a	n/a	6,009	6,317	n/a
PNW	8,799	9,194	10,322	6,476	6,876	3,348	10,702	10,391	9,349	1,117
Southeast	2,662	2,119	4,000	4,346	n/a	n/a	3,000	2,854	2,427	n/a

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, 2022

Table 5: Average Diesel Fuel Prices (All Types)

Region	1st Quarter 2022 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	4.33	19%	49%
California	5.32	14%	45%
New England	4.29	19%	48%
Central Atlantic	4.47	18%	46%
Lower Atlantic	4.24	19%	51%
Gulf Coast	4.07	20%	53%
Midwest	4.13	16%	45%
Rocky Mountain	4.16	11%	46%
West Coast Except California	4.53	16%	51%
U.S.	4.29	17%	48%

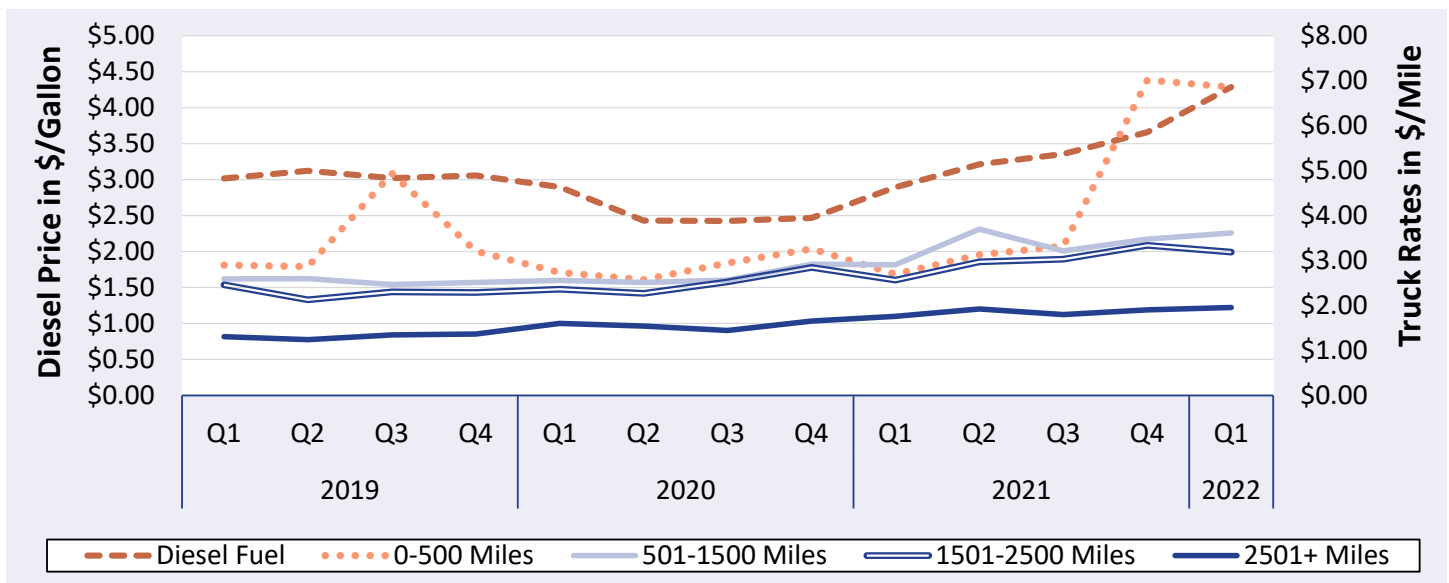
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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

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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
2019	Q1	3.02	2.59	-8%	-9%	< 1%	-8%
	Q2	3.12	2.60	4%	< 1%	-2%	-13%
	Q3	3.02	2.47	-3%	-5%	-7%	-10%
	Q4	3.06	2.52	1%	2%	-6%	-11%
2020	Q1	2.90	2.56	-5%	2%	-4%	-1%
	Q2	2.43	2.51	-16%	-2%	-22%	-3%
	Q3	2.43	2.56	> -1%	2%	-20%	4%
	Q4	2.47	2.92	2%	14%	-19%	16%
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%

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

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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	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29
Imperial, Coachella & Palo Verde Valleys Ca, Central & Western Az & Mx Crossings Thru Calexico & San Luis	Anise, Bok Choy, Broccoli, Fresh Cut Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Leeks, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Spinach, Fresh Cut Broccoli	4	3	3	3	4	4	3	3	3	3	3	3	3
Kern District California	Carrots, Grapes	4	3	3	3	4	4	3	3	3	3	3	3	3
Oxnard District California	Artichokes, Fresh Cut Cabbage, Celery, Cilantro, Kale Greens, Romaine Lettuce, Parsley	4	3	3	3	4	4	3	3	3	3	3	3	3
Santa Maria California	Broccoli, Cauliflower, Celery, Iceberg Lettuce, Romaine Lettuce	4	3	3	3	4	4	3	3	3	3	3	3	3
South District California	Avocados, Lemons, Oranges, Tangelos	4	3	3	3	4	4	3	3	3	3	3	3	3
Florida	Commodities	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29
Central & South Florida	Beans, Cabbage, Cantaloupe, Sweet Corn, Cucumbers, Eggplant, Endive, Escarole, Okra, Bell Peppers, Other Peppers, Radishes, Yellow Squash Straightneck, Zucchini Squash, Strawberries, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons	4	5	5	5	5	5	4	4	3	5	5	5	3
Florida	Potatoes									3	3	3	3	3
Great Lakes (MI & WI)	Commodities	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29
Central Wisconsin	Dry Onions, Potatoes	4	4	5	4	4	4	4	4	4	3	3	3	3
Michigan	Apples, Potatoes	4	4	4	4	4	4	4	4	4	4	4	4	4

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

Note: Empty cells were not reported.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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								
Pacific Northwest (ID, OR, & WA)	Commodities	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29	
Columbia Basin Washington	Dry Onions, Potatoes	5	5	5	4	4	4	3	3	3	3	3	3	3	
Idaho And Malheur County, Oregon	Dry Onions	4	4	4	4	4	4	3	3	3	3	3	3	3	
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	5	5	5	5	5	4	3	3	3	3	3	3	3	
Yakima Valley & Wenatchee District Washington	Apples, Pears	5	5	4	4	4	4	3	3	3	3	3	3	3	
U.S.-Mexico border	Commodities	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29	
Nogales, Arizona	Round Green Beans, Sweet Corn, Cucumbers, Eggplant, Grapefruit, Honeydews, Oranges, Squash, Tomatillos, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons	5	5	4	4	3	3	3	3	3	3	3	3	3	
South Texas	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	5	4	4	4	3	4	1	3	3	3	3	3	3	
Southeast (GA, SC, & NC)	Commodities	1/4	1/11	1/18	1/25	2/1	2/8	2/15	2/22	3/1	3/8	3/15	3/22	3/29	
Eastern North Carolina	Sweet Potatoes	5	4	4	5	5	5	5	4	5	5	5	5	5	

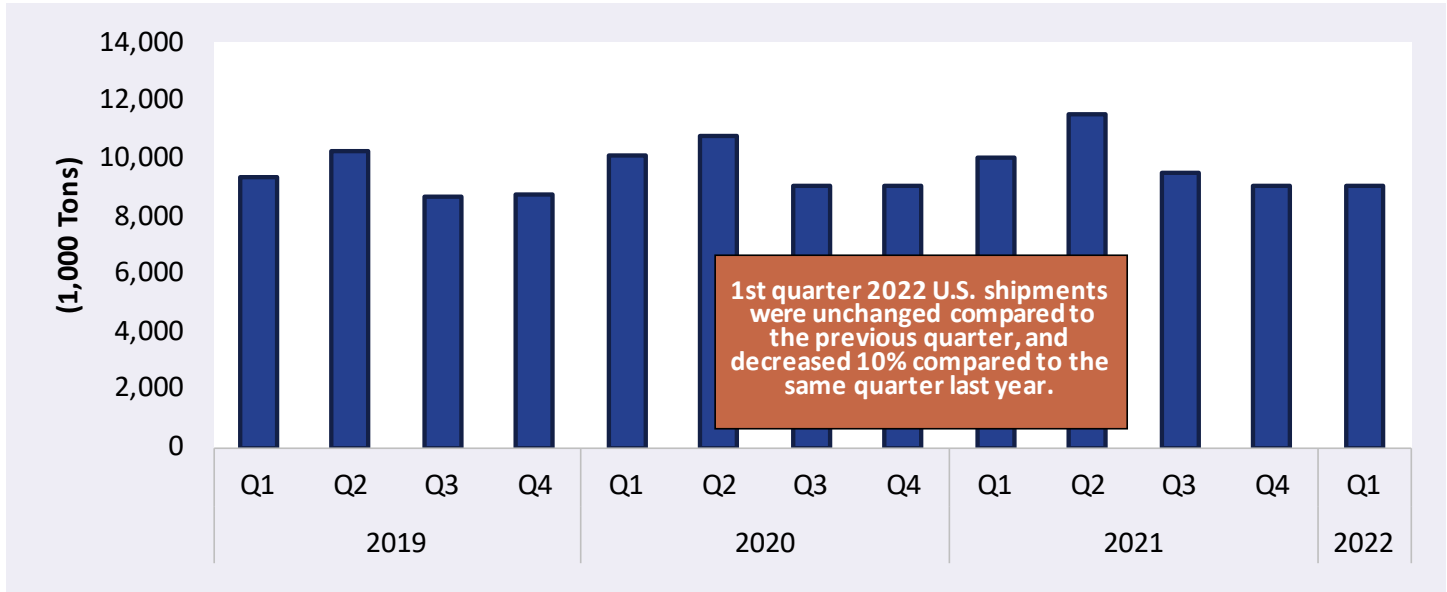
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Empty cells were not reported.



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
2022	9,015				9,015
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
2007	6,959	8,585	7,475	7,099	30,118
2006	6,335	8,400	7,854	6,960	29,550

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 2022	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Potatoes	1,087	1,157	1,185	-6%	-8%
Apples	784	822	842	-5%	-7%
Onions Dry	532	511	695	4%	-23%
Lemons	366	227	290	62%	26%
Tomatoes, Plum Type	343	543	573	-37%	-40%
Tangerines	338	22	454	1454%	-26%
Tomatoes	332	483	713	-31%	-53%
Strawberries	332	222	409	49%	-19%
Avocados	327	608	751	-46%	-56%
Cucumbers	324	591	584	-45%	-45%

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 2022 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3371	23%	-3%
PNW	1589	-3%	-11%
California	1429	-33%	-37%
Arizona	686	65%	12%
Florida	671	83%	4%
Canada	266	-46%	-7%
Colorado	222	-11%	7%
Great Lakes	193	-30%	8%
Texas	121	19%	6%
Southeast	113	-34%	-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.



REGIONAL MARKETS

U.S.-Mexico Border

Volume

In first quarter 2022, USDA reported total shipments of fruits and vegetables from Mexico were 3.38 million tons—a 3-percent decrease from first quarter 2021 (year to year). The sum of the top five commodities shipped from the U.S.-Mexico border also decreased 9 percent year to year. Three of the top five commodities saw year-to-year increases, including plum tomatoes (up 11 percent); cucumbers (up 3 percent); and bell peppers (up 1 percent). Shipments of avocados decreased by 21 percent and shipments of tomatoes decreased 34 percent.

Rates

In first quarter 2022, truck rates for shipments between 501 miles and 1,500 miles from the Arizona-Mexico border crossings averaged \$3.66 per mile. This was up 11 percent from fourth quarter 2021 (quarter to quarter) and up 16 percent year to year. Rates for shipments between 501 miles and 1,500 miles from the Texas-Mexico border crossings averaged \$3.77 per mile—up 9 percent quarter to quarter and up 29 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$4.53 per gallon—up 16 percent quarter to quarter and up 51 percent year to year. Diesel fuel prices for border crossings from Texas averaged \$4.07 per gallon—up 20 percent quarter to quarter and up 53 percent year to year. Mexico crossings through Nogales, AZ, and through South Texas reported a slight shortage of trucks in January and adequate supply in February and March.

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

Commodity	1st Quarter 2022	Share of Mexico-Total Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Tomatoes, Plum Type	296	9%	248	267	20%	11%
Avocados	293	9%	302	371	-3%	-21%
Cucumbers	280	8%	256	272	9%	3%
Peppers, Bell Type	251	7%	148	248	70%	1%
Tomatoes	191	6%	151	289	26%	-34%
Top 5 Total	1,311	39%	1,104	1,447	19%	-9%
Mexico Total	3,371	100%	2,744	3,491	23%	-3%

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

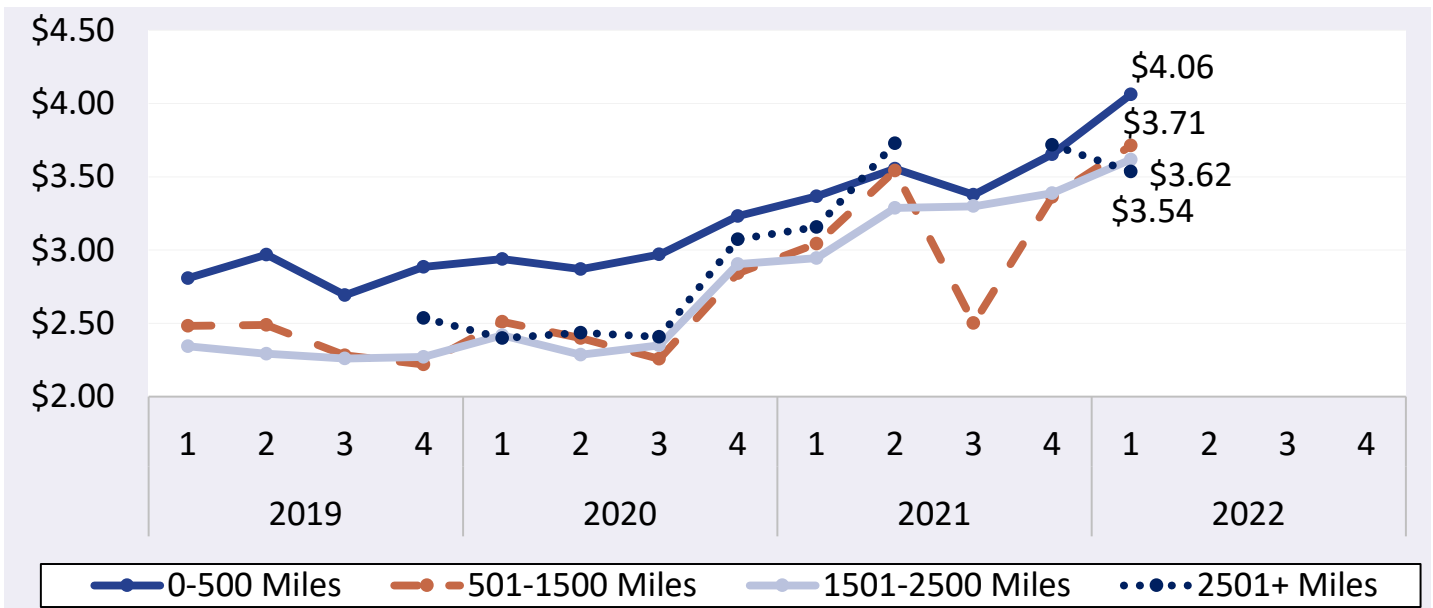
Quarter 1, 2022

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 2022	Commodity	1st Quarter 2022	Commodity	1st Quarter 2022	Commodity	1st Quarter 2022
Avocados	288	Strawberries	61	Cucumbers	153	Peppers, Other	13
Tomatoes, Plum Type	150	Asparagus	53	Squash	151	Misc Tropical	2
Limes	117	Onions Green	47	Peppers, Bell Type	135	Tomatoes	< 1
Tomatoes	117	Misc Tropical	43	Tomatoes, Plum Type	116		
Cucumbers	113	Tomatoes, Plum Type	31	Tomatoes	69		
Mexico through TX Total	1,768	Mexico through CA Total	531	Mexico through AZ Total	1,056	Mexico through NM Total	15

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)



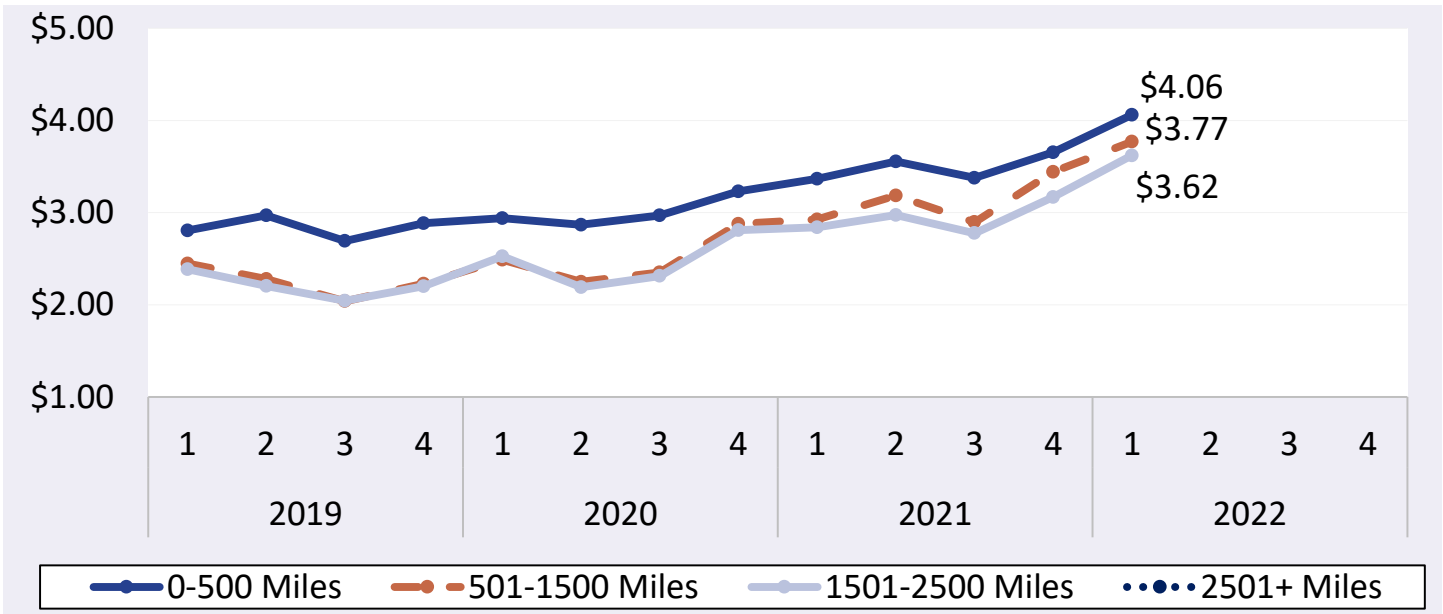
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

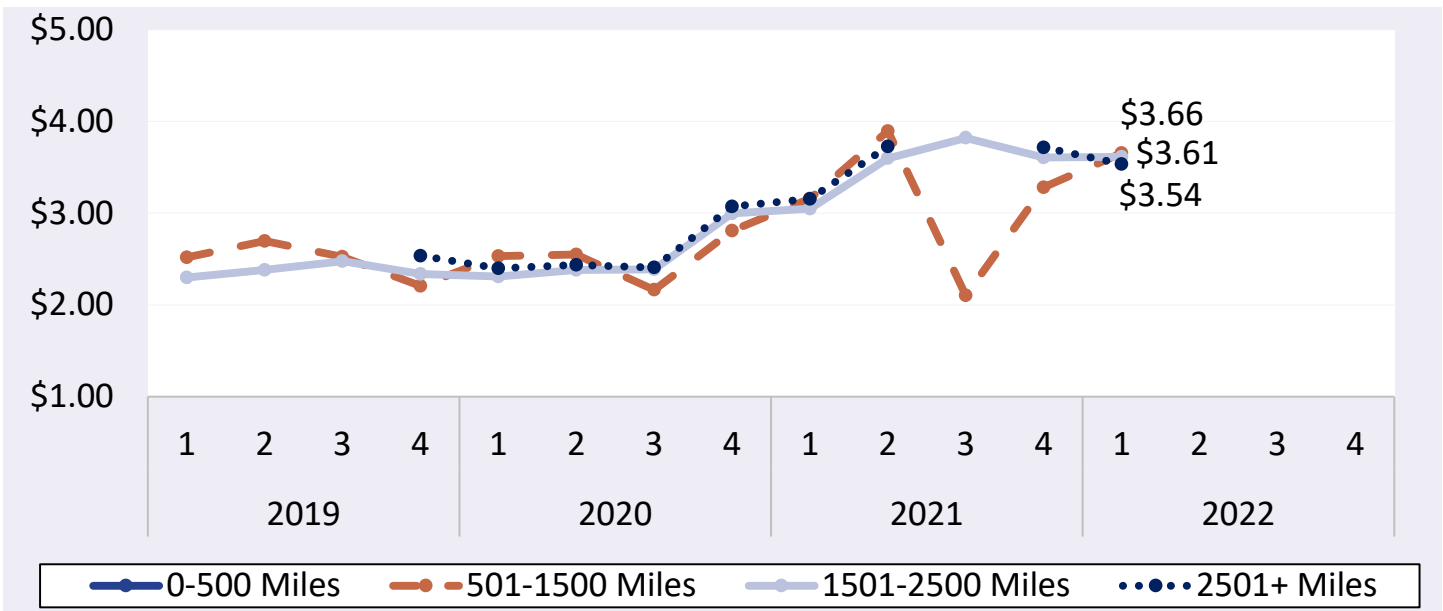
Quarter 1, 2022

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, 2022

Table 13: Truck Overview from the U.S.-Mexico Border

Region/Reporting District	January	February	March	1st Quarter
Mexico Crossings Through Nogales, Arizona	4.47	3.19	3.04	3.57
Mexico Crossings Through South Texas	4.25	2.85	3	3.37
Regional Average Availability	4.36	3.02	3.02	3.47
Diesel Fuel Price (\$/gallon), through Texas	3.46	3.80	4.94	4.07
Diesel Fuel Price (\$/gallon), through Arizona	4.06	4.27	5.28	4.53

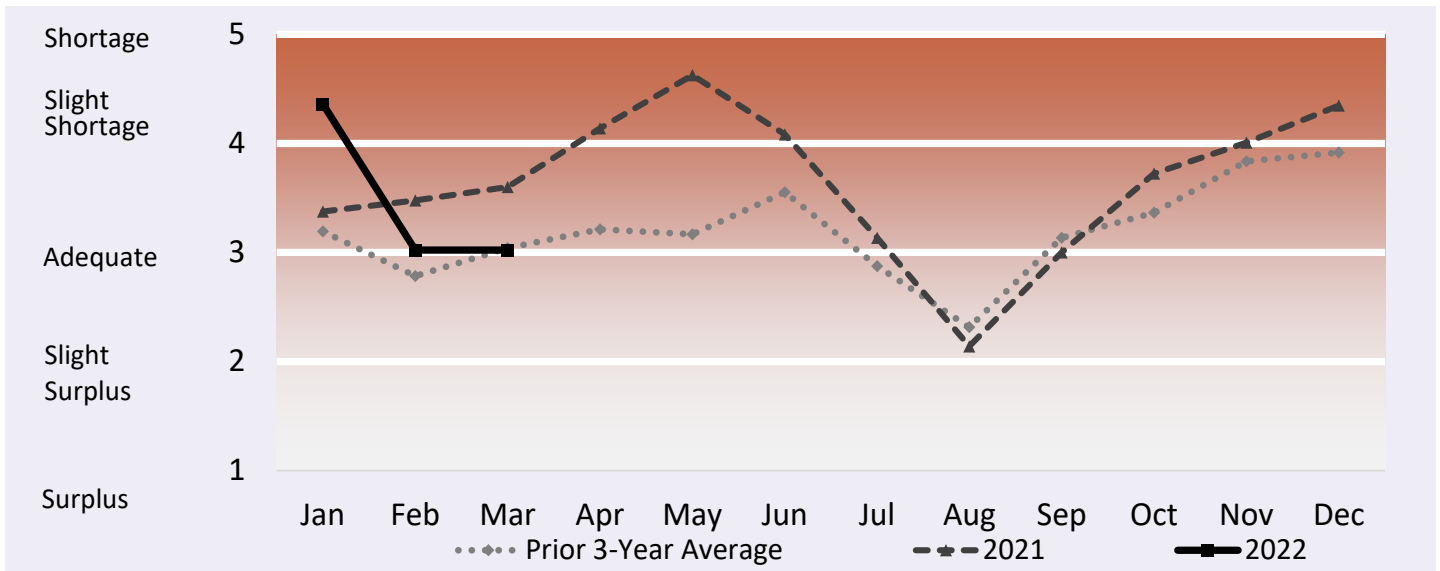
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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, 2022

PNW

Volume

During first quarter 2022, total reported shipments of fruits and vegetables from PNW were 1.59 million tons, decreasing 11 percent year to year. The sum of the top five commodities shipped from PNW also decreased 11 percent year to year. Except for pears (5-percent increase) and rhubarb (100-percent increase), the rest of the top five commodities saw year-to-year decreases: apples (down 6 percent); potatoes (down 19 percent); and dry onions (down 15 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.34 per mile, up 6 percent quarter to quarter and up 39 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.53 per gallon—a 16-percent increase quarter to quarter and a 51-percent increase year to year. Monthly average truck availability was reported as a shortage in the region in January and a slight shortage in February, but was reported as adequate in March.

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

Commodity	1st Quarter 2022	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	670	42%	676	709	-1%	-6%
Potatoes	413	26%	447	513	-8%	-19%
Onions Dry	366	23%	357	431	2%	-15%
Pears	140	9%	159	133	-12%	5%
Rhubarb	< 1	< 1%	-	< 1	-	100%
Top 5 Total	1,589	100%	1,640	1,785	-3%	-11%
PNW Total	1,589	100%	1,640	1,785	-3%	-11%

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.

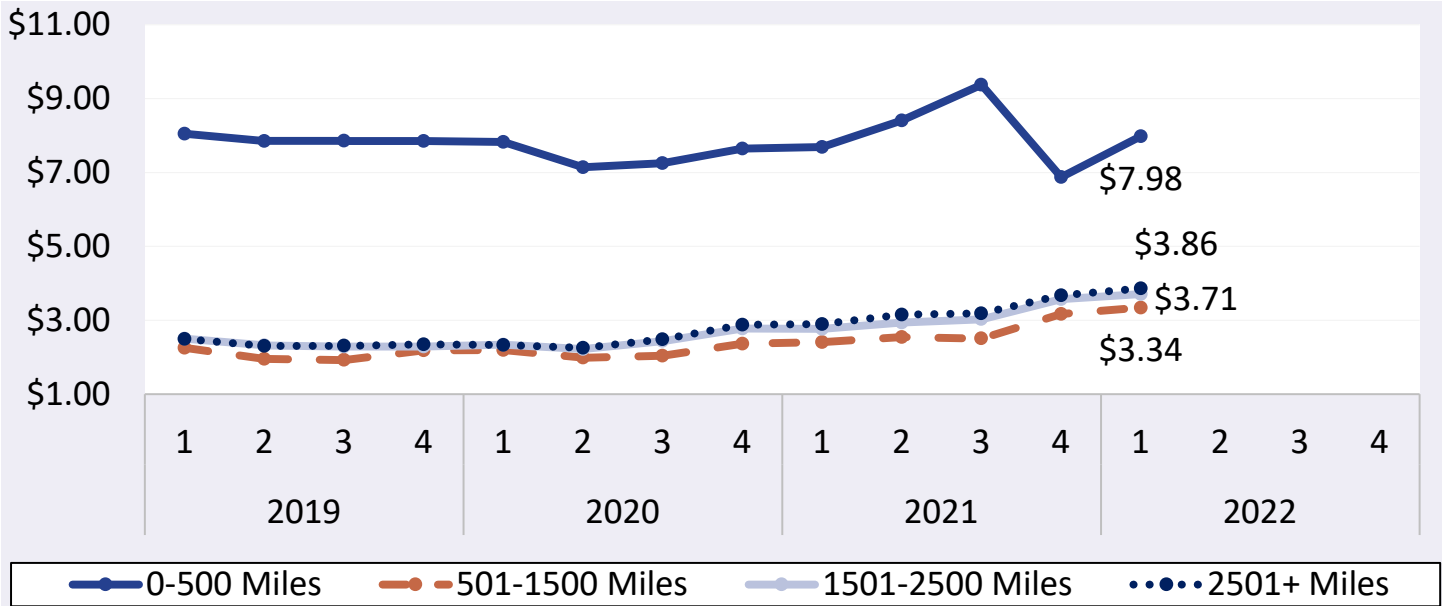
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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	4.75	3.5	3	3.75
Idaho And Malheur County, Oregon	4.44	3.61	3	3.69
Upper Valley, Twin Falls-Burley District Idaho	5	3.75	3	3.92
Yakima Valley & Wenatchee District Washington	4.5	3.5	3	3.67
Regional Average Availability	4.67	3.59	3	3.75
Diesel Fuel Price (\$/gallon)	4.06	4.27	5.28	4.53

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.

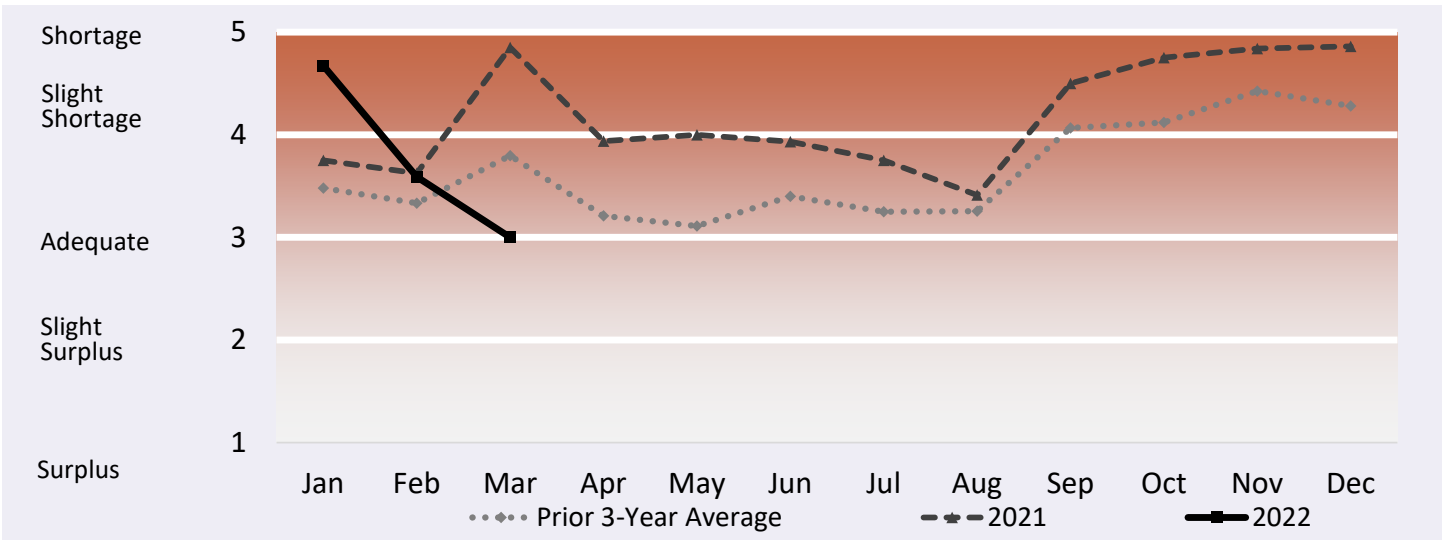
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

California

Volume

Total reported shipments of fruits and vegetables from California in first quarter 2022 were 1.43 million tons, down 37 percent year to year. The decline in California shipments may be due in part to unreported citrus shipments. The top five commodities shipped from California decreased 41 percent from year to year. Three of the top 5 commodities saw year-to-year decreases in the first quarter, including tangerines (down 25 percent); oranges (down 84 percent); and celery (down 24 percent). Shipments of lemons and strawberries increased by 27 and 30 percent, respectively.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.88 per mile—a 7-percent decrease quarter to quarter, but a 31-percent increase year to year.

Truck Overview

Diesel fuel prices averaged \$5.32 per gallon—a 14-percent increase quarter to quarter and a 45-percent increase year to year. Monthly average truck availability started the quarter as adequate in January and ended as adequate in March. However, during February, slight shortages were reported throughout the region.

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

Commodity	1st Quarter 2022	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Lemons	364	26%	185	286	97%	27%
Tangerines	326	23%	16	437	1,952%	-25%
Oranges	116	8%	330	743	-65%	-84%
Celery	103	7%	198	136	-48%	-24%
Strawberries	75	5%	126	58	-40%	30%
Top 5 Total	985	69%	854	1,660	15%	-41%
California Total	1,429	100%	2,143	2,259	-33%	-37%

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.

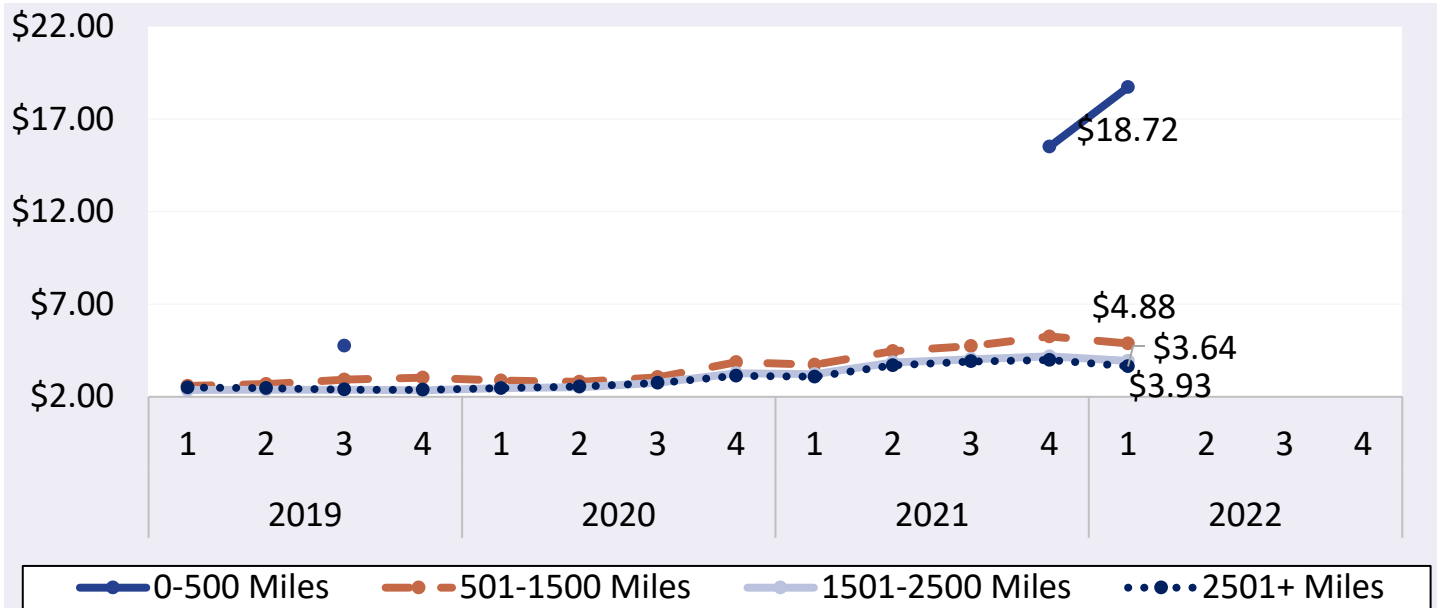
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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	3.25	3.5	3	3.25
Oxnard District California	3.25	3.5	3	3.25
Santa Maria California	3.25	3.5	2.94	3.23
South District California	3.28	3.5	3	3.26
Regional Average Availability	3.26	3.5	2.99	3.25
Diesel Fuel Price (\$/gallon)	4.80	5.02	6.13	5.32

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

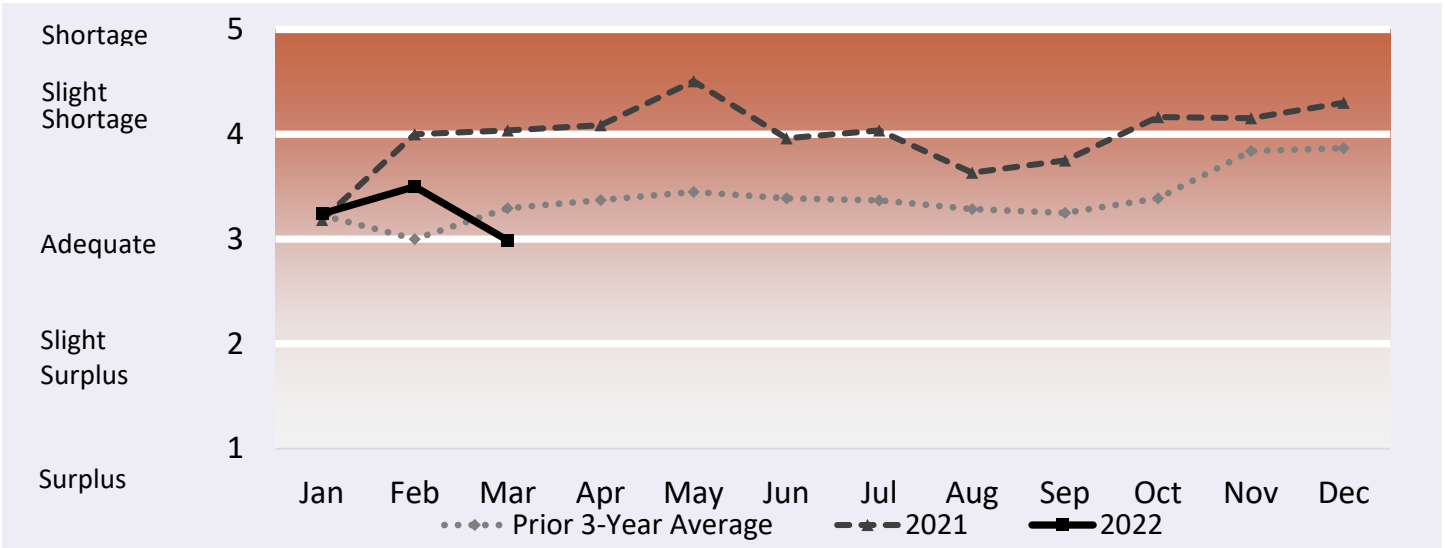
Any "-" in the table indicates no reported shipments during the quarter.

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.



Arizona

Volume

During first quarter 2022, total reported shipments of fruits and vegetables from Arizona were 686,000 tons, up 12 percent year to year. The sum of the top five commodities shipped from Arizona also increased 12 percent year to year. All top-five commodities saw year-to-year increases, including iceberg lettuce (up 3 percent); romaine lettuce (up 7 percent); processed lettuce (up 12 percent); celery (up 48 percent); and cabbage (up 63 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.77 per mile—down 14 percent quarter to quarter but up 19 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.53 per gallon—up 16 percent quarter to quarter and up 51 percent year to year. Resembling California’s trend, monthly average truck availability was adequate at the start and end of the quarter, but a slight shortage was reported in February.

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

Commodity	1st Quarter 2022	Share of Arizona Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Lettuce, Iceberg	196	29%	122	189	61%	3%
Lettuce, Romaine	192	28%	111	179	72%	7%
Lettuce, Processed	78	11%	54	69	44%	12%
Celery	55	8%	6	37	903%	48%
Cabbage	34	5%	14	21	140%	63%
Top 5 Total	555	81%	307	496	81%	12%
Arizona Total	686	100%	416	614	65%	12%

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.

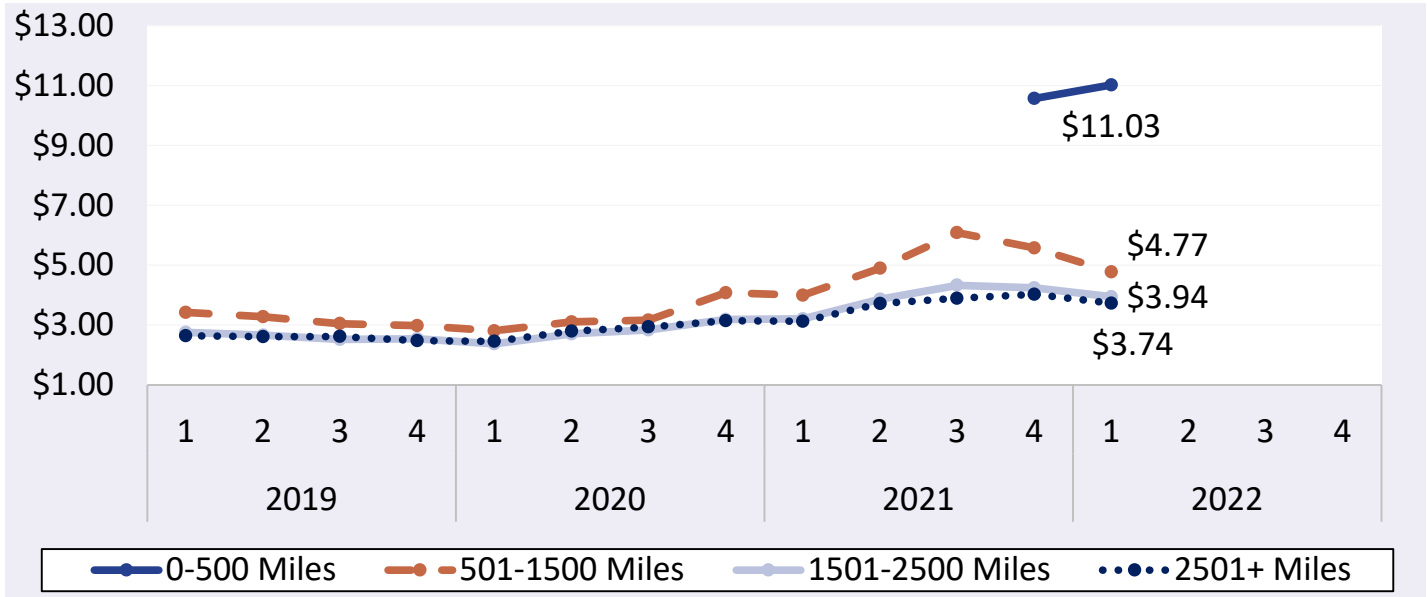
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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 & Palo Verde Valleys Ca, Central & Western Az & Mx Crossings Thru Calexico & San Luis	3.24	3.5	3	3.25
Regional Average Availability	3.24	3.5	3	3.25
Diesel Fuel Price (\$/gallon)	4.06	4.27	5.28	4.53

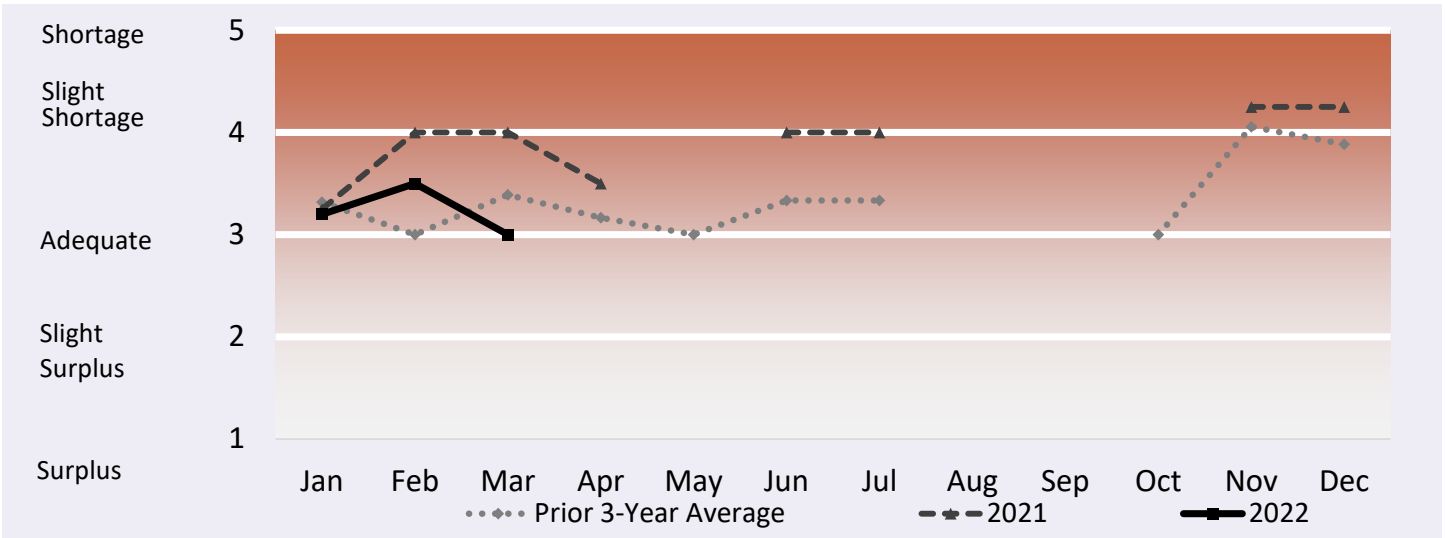
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any "-" in the table indicates no reported shipments during the quarter.
Note: Table values may not conform exactly due to rounding.
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

Florida

Volume

Total reported shipments of fruits and vegetables from Florida in first quarter 2022 were 671,000 tons, up 4 percent year to year. The sum of the top five commodities shipped from Florida increased 7 percent year to year. Three of the top five commodities increased year to year: strawberries (up 15 percent); tomatoes (up 10 percent); and plum-type tomatoes (up 15 percent). Shipments of cabbage decreased 3 percent, and shipments of sweet corn also fell 3 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.20 per mile—up 15 percent quarter to quarter and up 12 percent year to year.

Truck Overview

Diesel fuel prices averaged \$4.24 per gallon—up 20 percent quarter to quarter and up 51 percent year to year. Monthly average truck availability was reported as a shortage in January and February and as a slight shortage in March.

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

Commodity	1st Quarter 2022	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Strawberries	108	16%	22	94	393%	15%
Tomatoes	105	16%	104	95	< 1%	10%
Cabbage	68	10%	8	71	731%	-3%
Corn-Sweet	46	7%	18	47	159%	-3%
Tomatoes, Plum Type	44	7%	36	39	22%	15%
Top 5 Total	372	55%	189	346	97%	7%
Florida Total	671	100%	366	642	83%	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.

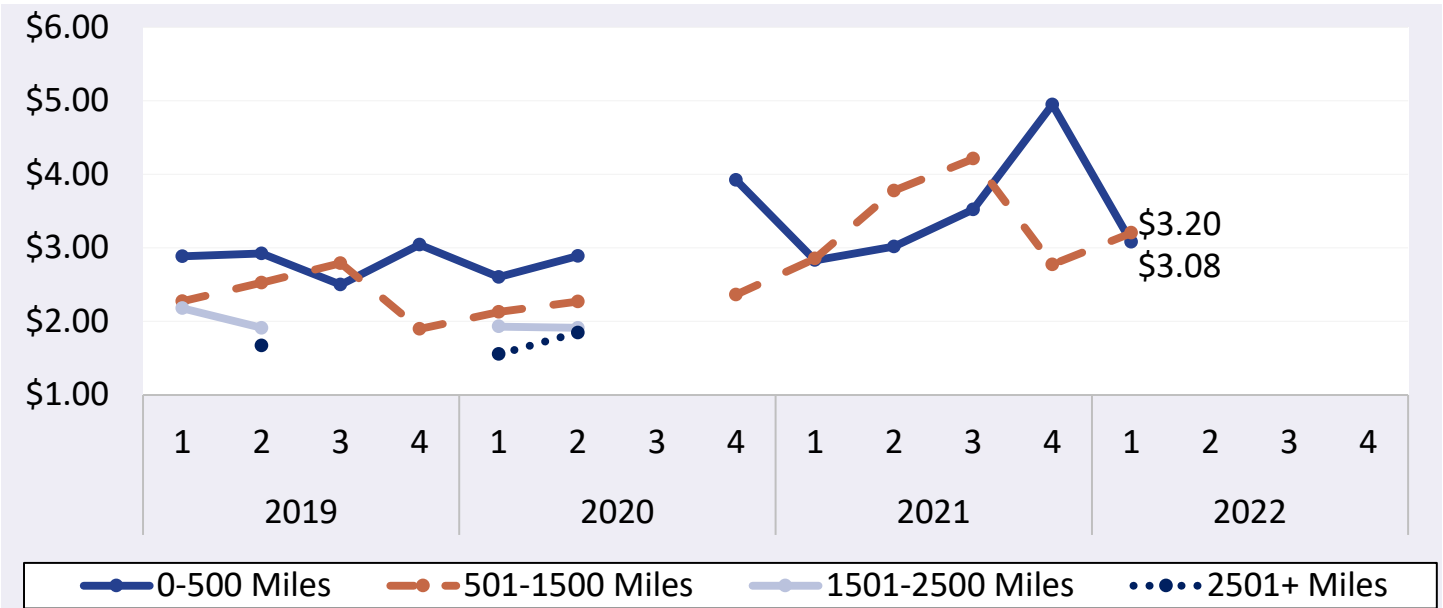
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2022

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 & South Florida	4.75	4.5	4.2	4.48
Florida	-	-	3	3
Regional Average Availability	4.75	4.5	3.6	4.28
Diesel Fuel Price (\$/gallon)	3.62	3.99	5.11	4.24

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

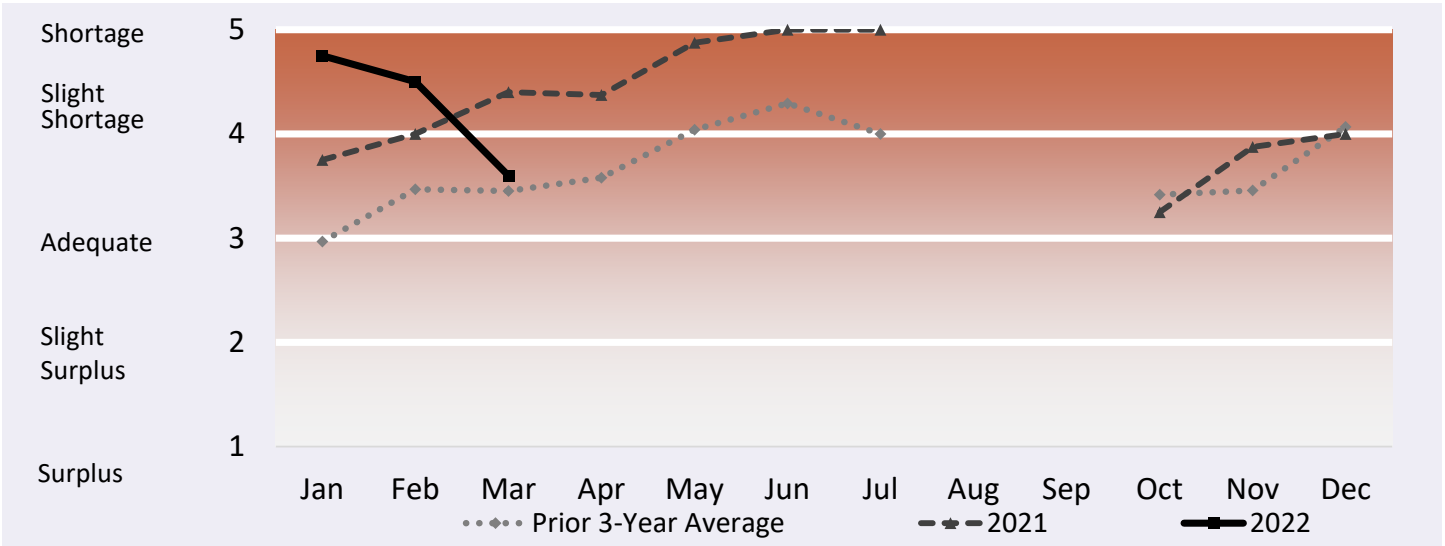
Any "-" in the table indicates no reported shipments during the quarter.

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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For assistance with accessibility issues related to this document, please e-mail SharonC.Williams@usda.gov.

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/pdf/HS/HS132800.pdf>

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