



Agricultural Refrigerated Truck Quarterly

a quarterly publication of the Agricultural Marketing Service

CONTENTS

National Summary.....	2	Quarterly Truck Availability.....	8	PNW.....	19
Quarterly Overview	2	Reported U.S. Shipments	10	Florida.....	22
U.S. Truck Rates	3	Reported Shipments by Selected		Southeast.....	25
Truck Rates for Selected Routes.....	4	Commodities.....	11	Additional Information	28
U.S. Diesel Fuel Prices	5	Regional Markets.....	12	Terms and References.....	28
Relationship Between Diesel Fuel and		U.S.-Mexico Border	12	Contact Us.....	29
Truck Rates.....	6	California.....	16		



NATIONAL SUMMARY

Quarterly Overview

Fruit and Vegetable Shipments

USDA reported second quarter 2022 U.S. truck shipments of fresh produce were 10.62 million tons—18 percent higher than the previous quarter, but 8 percent lower than second quarter 2021.

Also, in second quarter 2022, shipments from Mexico were 3.37 million tons, higher than those from any other reported origin. Shipments from Mexico accounted for 32 percent of the total reported shipments of fresh fruit and vegetables. Shipments from the next four top regions by volume were as follows: California, 2.86 million tons (27 percent of the total); Pacific Northwest (PNW), 1.32 million tons (12 percent of the total); Florida, 940,000 tons (9 percent of the total); and finally, Southeast, 648,000 tons (6 percent of the total).

These top five commodities accounted for 39 percent of reported truck movements in second quarter 2022:

- ▶ Watermelons, seedless (11 percent)
- ▶ Potatoes (11 percent)
- ▶ Apples (7 percent)
- ▶ Onions, dry (6 percent)
- ▶ Strawberries (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
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	6.02	3.25	2.89	1.67
Q2 2022	8.07	3.65	2.87	1.64
Q2 Change from Previous Quarter	34%	12%	> -1%	-2%
Q2 Change from Same Quarter Last Year	158%	-1%	-3%	-15%

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.

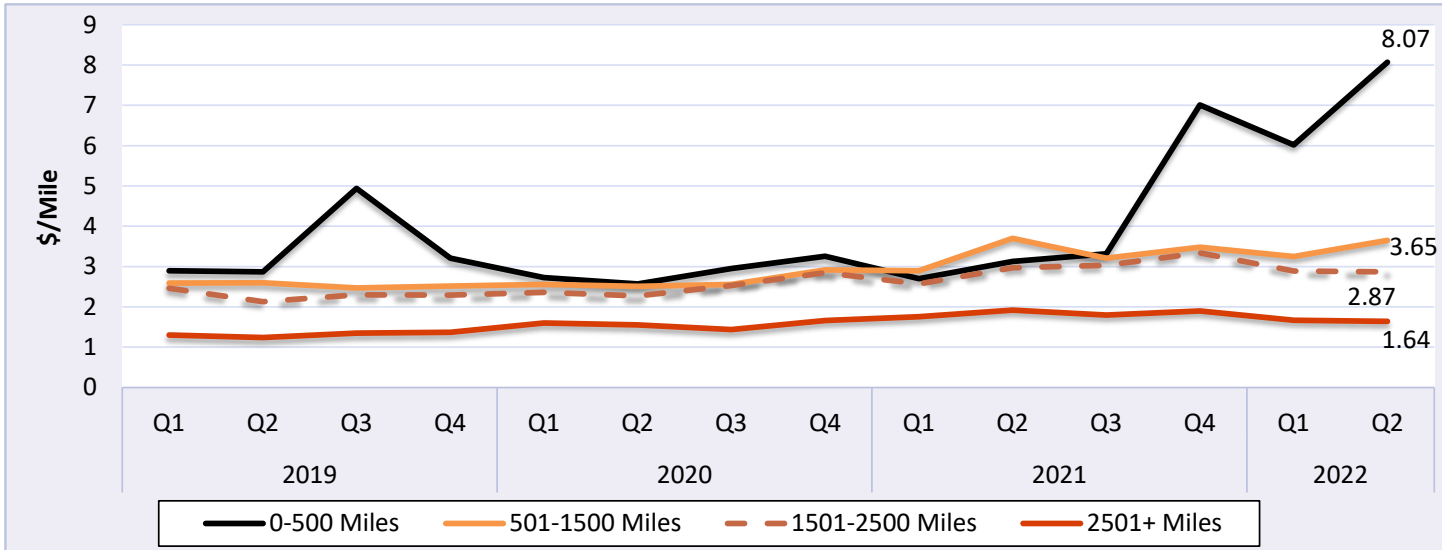
Diesel Fuel

During second quarter 2022, the U.S. diesel fuel price averaged \$5.48 per gallon—up 28 percent from the previous quarter and up 71 percent from the same quarter in 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	3.25	3.65		
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

Quarter 2, 2022

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

U.S. Origin	2nd Quarter, 2022			1st Quarter, 2022		
	April	May	June	January	February	March
California	4.57	4.73	4.88	5.31	4.85	4.60
Florida	3.26	3.92	3.09	3.13	3.17	3.27
Great Lakes	4.94	5.10	5.16	5.02	5.06	5.08
Mexico-Arizona	3.36	3.42	3.54	4.11	3.63	3.31
Mexico-Texas	3.83	3.50	3.17	3.95	3.60	3.76
New York	5.24	5.24	5.24	4.99	4.47	4.88
Other	3.58	3.58	3.62	3.21	3.34	3.55
PNW	2.89	2.82	2.83	3.63	3.36	3.10
Southeast	5.12	4.83	4.93	4.68	4.98	5.21
Texas	3.87	n/a	n/a	n/a	n/a	n/a

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, 2nd Quarter 2022 (\$/Mile)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	3.54	3.27	n/a	3.33	4.69	10.83	n/a	3.22	n/a	4.81
California	3.50	3.36	3.16	3.34	4.31	18.99	3.36	3.26	3.27	5.10
Florida	3.30	3.43	3.51	2.70	n/a	n/a	3.54	3.81	3.52	n/a
Great Lakes	5.34	5.10	5.05	6.35	2.87	n/a	3.95	5.22	5.13	n/a
Mexico-Arizona	3.61	3.11	3.03	3.42	3.70	3.18	3.36	3.15	3.20	n/a
Mexico-Texas	3.80	3.58	3.39	3.19	4.20	2.57	3.28	3.62	3.62	3.13
New York	6.00	10.61	20.00	n/a	n/a	n/a	4.48	22.67	14.13	n/a
Other	3.78	4.26	3.88	3.44	3.24	n/a	n/a	3.91	3.66	n/a
PNW	3.35	3.38	3.38	3.19	3.28	2.82	3.19	3.64	3.38	8.52
Southeast	5.95	5.34	5.22	4.74	3.50	2.31	5.18	5.34	5.41	n/a
Texas	n/a	n/a	3.83	n/a	n/a	n/a	3.87	4.15	3.95	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 2, 2022

Table 4: Origin-Destination Truck Rates for Selected Routes, 2nd Quarter 2022 (\$/Truck)

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	7,425	8,500	n/a	6,750	6,100	1,625	n/a	8,700	n/a	6,250
California	7,843	9,017	9,674	7,010	6,336	1,650	9,510	9,341	9,222	5,757
Florida	1,593	3,400	4,873	3,323	n/a	n/a	850	4,291	3,678	n/a
Great Lakes	4,846	4,344	5,550	1,550	3,300	n/a	6,400	4,900	4,688	n/a
Mexico-Arizona	6,492	7,319	8,173	6,162	3,623	1,781	7,646	7,885	7,685	n/a
Mexico-Texas	4,373	6,408	7,462	4,565	2,100	4,108	5,025	7,242	6,879	7,512
New York	6,000	3,500	3,400	n/a	n/a	n/a	6,500	3,400	3,250	n/a
Other	2,914	3,838	5,875	2,683	2,363	n/a	n/a	6,116	5,842	n/a
PNW	7,805	8,301	9,272	5,753	6,111	2,925	9,564	9,452	8,454	1,192
Southeast	1,832	2,960	5,104	4,064	3,325	5,430	3,319	4,251	3,785	n/a
Texas	n/a	n/a	8,125	n/a	n/a	n/a	5,650	7,883	7,192	n/a

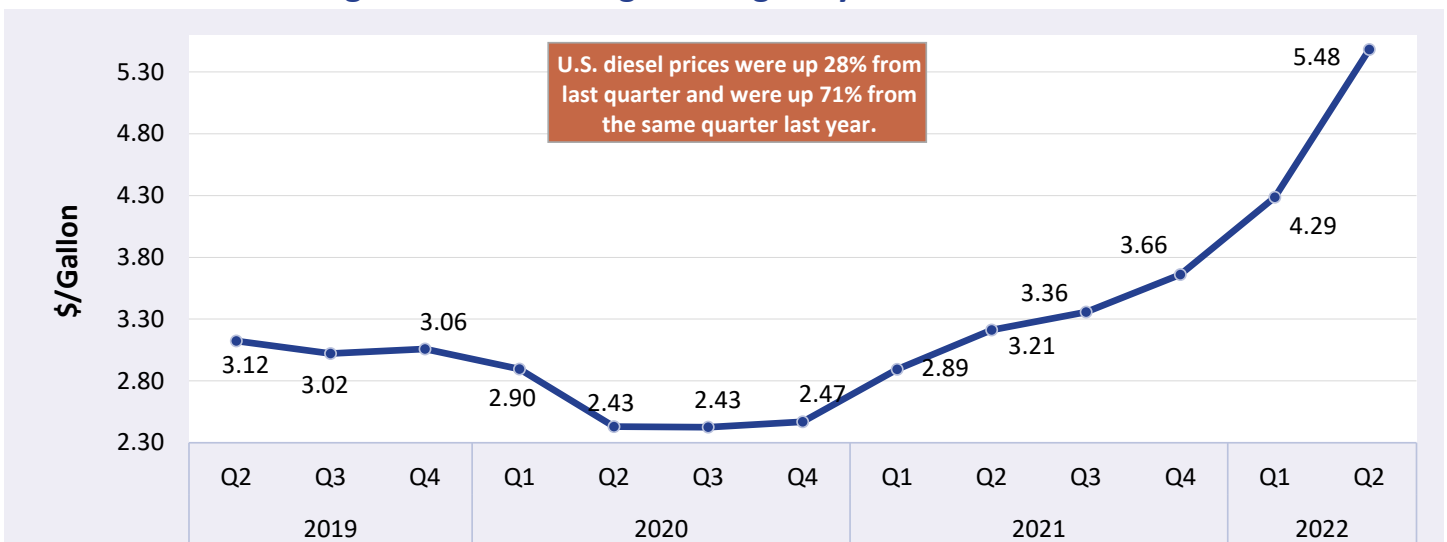
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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 2, 2022

Table 5: Average Diesel Fuel Prices (All Types)

Region	2nd Quarter 2022 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	5.63	30%	76%
California	6.54	23%	62%
New England	5.88	37%	87%
Central Atlantic	5.91	32%	76%
Lower Atlantic	5.44	28%	76%
Gulf Coast	5.18	27%	73%
Midwest	5.31	29%	69%
Rocky Mountain	5.42	30%	63%
West Coast Except California	5.66	25%	68%
U.S.	5.48	28%	71%

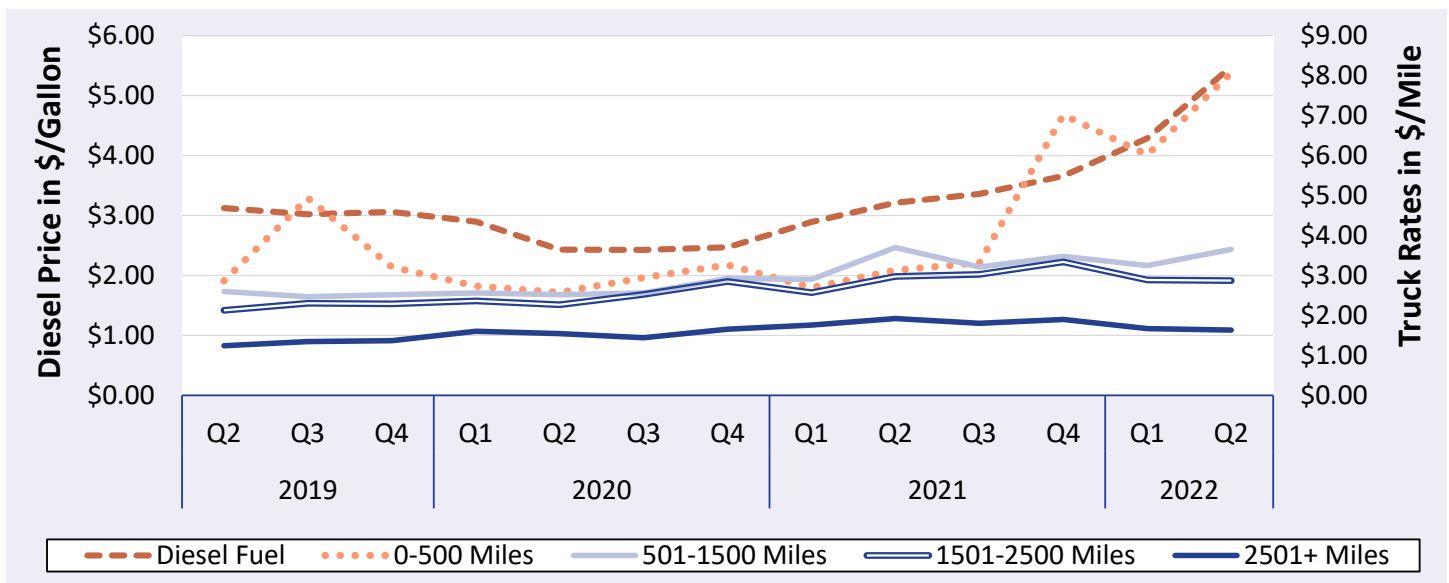
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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 2, 2022

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	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	3.25	17%	-7%	48%	12%
	Q2	5.48	3.65	28%	12%	71%	-1%

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 2, 2022

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	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28
Kern District California	Carrots	3	3	3	3	3	3	3	3	3	3	3	3	3
Oxnard District California	Artichokes, Fresh Cut Cabbage, Celery, Cilantro, Kale Greens, Leeks, Romaine Lettuce, Parsley, Radishes	3	3	3	3	3	3	3	3	3	3	3	3	3
Salinas-Watsonville California	Anise, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Leeks, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Radishes, Spinach, Bibb Lettuce	3	3	3	3	3	3	3	3	3	3	3	3	3
Santa Maria California	Anise, Bok Choy, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Leeks, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Radishes, Spinach, Mustard Greens	3	3	3	3	3	3	3	3	3	3	3	3	3
South District California	Avocados, Grapefruit, Lemons, Oranges	3	3	3	3	3	3	3	3	3	3	3	3	3
Florida	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28
Central And South Florida	Okra, Watermelons, Cantaloupe, Cucumbers, Eggplant, Sweet Corn, Bell Peppers, Other Peppers, Yellow Squash Straightneck, Zucchini Squash, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Beans, Cabbage, Endive, Escarole, Radishes	5	5	5	4	5	4	4	5	5	5	5	5	5
Florida	Potatoes	3	3	3	3	3	3	3	3	3	3	3		
Florida West And South Carolina District	Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons										5	5	5	5
Great Lakes (MI & WI)	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28
Central Wisconsin	Potatoes, Dry Onions	3	3	3	3	3	3	3	3	3	3	3	3	3
Michigan	Apples	4	4	4	4	4								
Texas and Oklahoma	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28
Lower Rio Grande Valley, Texas	Dry Onions	3	3	3	3	3	3	3						

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 2, 2022

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

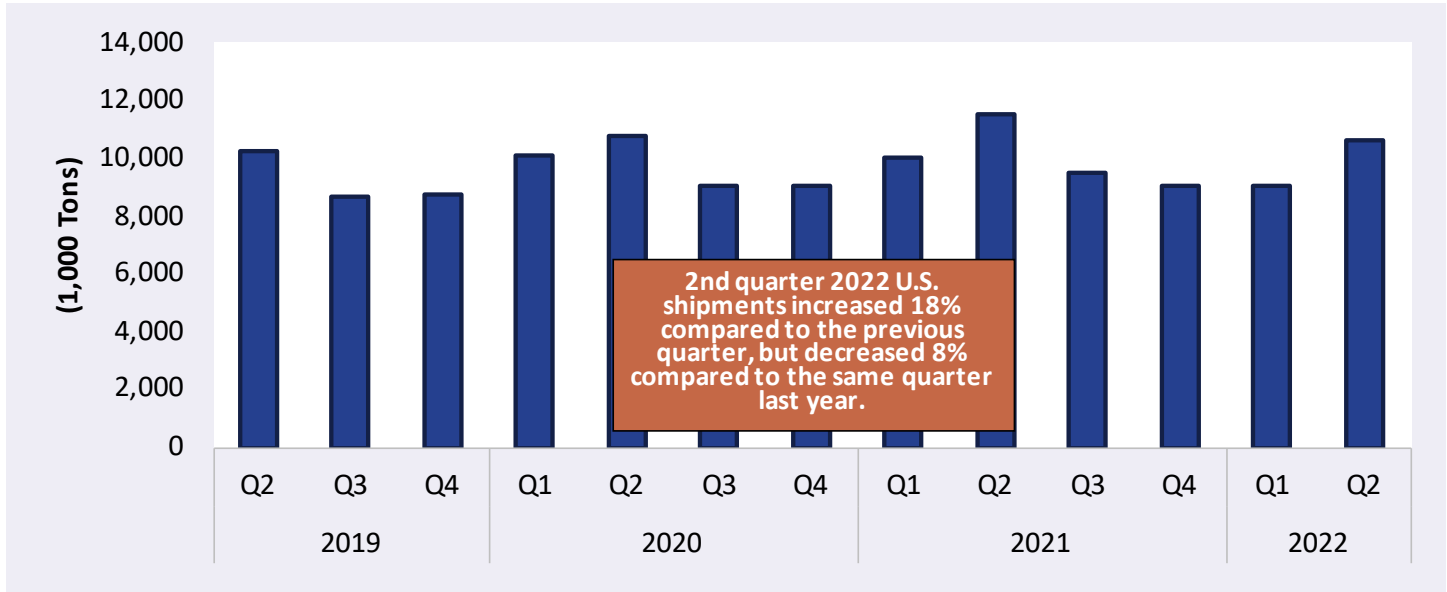
Truck availability legend															
1=Surplus	2=Slight surplus	3=Adequate	4=Slight shortage				5=Shortage								
Pacific Northwest (ID, OR, & WA)	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	
Columbia Basin Washington	Potatoes, Dry Onions	3	3	3	3	3	3	3	3	3	3	3	2	2	
Idaho And Malheur County, Oregon	Dry Onions	3	3												
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	3	3	3	3	3	3	3	3	3	3	3	2	2	
Yakima Valley And Wenatchee District, Washington	Apples, Cherries, Pears, Asparagus	3	3	3	3	3	3	3	3	3	3	3	3	3	
U.S.-Mexico border	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	
Imperial, Coachella Valleys Ca, Central And Western Az, Calexico And San Luis	Anise, Bok Choy, Cauliflower, Celery, Chinese Cabbage, Kale Greens, Leeks, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Spinach, Broccoli, Fresh Cut Cabbage, Cilantro, Endive, Escarole	3	3												
Nogales, Arizona	Grapes, Mangos, Cucumbers, Honeydews, Tomatoes, Plum Tomatoes, Watermelons, Oranges, Squash, Round Green Beans, Sweet Corn, Eggplant, Tomatillos, Cherry Tomatoes, Grape Tomatoes, Grapefruit	3	3	3	3	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	3	3	3	3	3	2	3	3	3	2	1	1	1	
Southeast (GA, SC, & NC)	Commodities	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	
Eastern North Carolina	Sweet Potatoes	5	5	5	5	5	5	5	5	5	5	5	5	5	
Florida West And South Carolina District	Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons										5	5	5	5	
Georgia	Sweet Corn, Cucumbers, Eggplant, Bell Peppers, Watermelons, Round Green Beans, Squash, Greens, Cabbage, Carrots					3	4	4	4	4	4	4	4	4	
Vidalia District Georgia	Dry Onions			3	3	3	3	3	3	3	3	3	3	3	

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	10,622			19,637
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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Reported Shipments by Selected Commodities

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

Commodity	2nd Quarter 2022	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	1,207	265	1,587	356%	-24%
Potatoes	1,127	1,087	1,101	4%	2%
Apples	722	784	730	-8%	-1%
Onions Dry	611	595	825	3%	-26%
Strawberries	485	480	534	1%	-9%
Oranges	424	198	725	115%	-41%
Tomatoes	382	524	647	-27%	-41%
Cucumbers	359	603	586	-40%	-39%
Lemons	331	368	267	-10%	24%
Lettuce, Iceberg	328	324	366	1%	-10%

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	2nd Quarter 2022 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3,366	0%	-4%
California	2,857	100%	-17%
PNW	1,323	-17%	-12%
Florida	940	40%	-11%
Southeast	648	473%	6%
Canada	401	51%	21%
Arizona	257	-63%	13%
Texas	220	82%	6%
Colorado	184	-17%	5%
Great Lakes	116	-40%	10%

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 second quarter 2022, USDA reported total shipments of fruits and vegetables from Mexico were 3.37 million tons—a 4-percent decrease from second quarter 2021 (year to year). The sum of the top five commodities shipped from the U.S.-Mexico border decreased 5 percent year to year. Two of the top five commodities saw year-to-year decreases, including avocados (down 32 percent) and watermelon, seedless (down 8 percent). Shipments of tomatoes, plum type, increased 23 percent; shipments of grapes increased by 6 percent; and shipments of cucumbers increased 1 percent.

Rates

In second quarter 2022, truck rates for shipments between 501 miles and 1,500 miles from Arizona-Mexico border crossings averaged \$3.44 per mile. This was down 6 percent from first quarter 2022 to second quarter 2022 (quarter to quarter) and down 12 percent year to year. Rates for shipments between 501 miles and 1,500 miles from Texas-Mexico border crossings averaged \$3.50 per mile—down 7 percent quarter to quarter and up 10 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$5.66 per gallon—a 25-percent increase quarter to quarter and a 69-percent increase year to year. Diesel fuel prices for border crossings from Texas averaged \$5.18 per gallon—up 27 percent quarter to quarter and up 73 percent year to year. Mexico crossings through Nogales, AZ, reported an adequate availability of trucks throughout the quarter. The Imperial, Coachella Valleys CA, Central and Western AZ, Mexico Crossings through Calexico and San Luis district reported adequate availability in April but did not report in May and June. Mexico crossings through the South Texas district reported an adequate availability of trucks in April and May and a surplus of trucks in June.

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

Commodity	2nd Quarter 2022	Share of Mexico-Total Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	346	10%	132	377	162%	-8%
Tomatoes, Plum Type	260	8%	296	211	-12%	23%
Cucumbers	242	7%	280	241	-13%	1%
Avocados	199	6%	293	293	-32%	-32%
Grapes	192	6%	-	182	-	6%
Top 5 Total	1,240	37%	1,001	1,304	24%	-5%
Mexico Total	3,366	100%	3,371	3,506	> -1%	-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

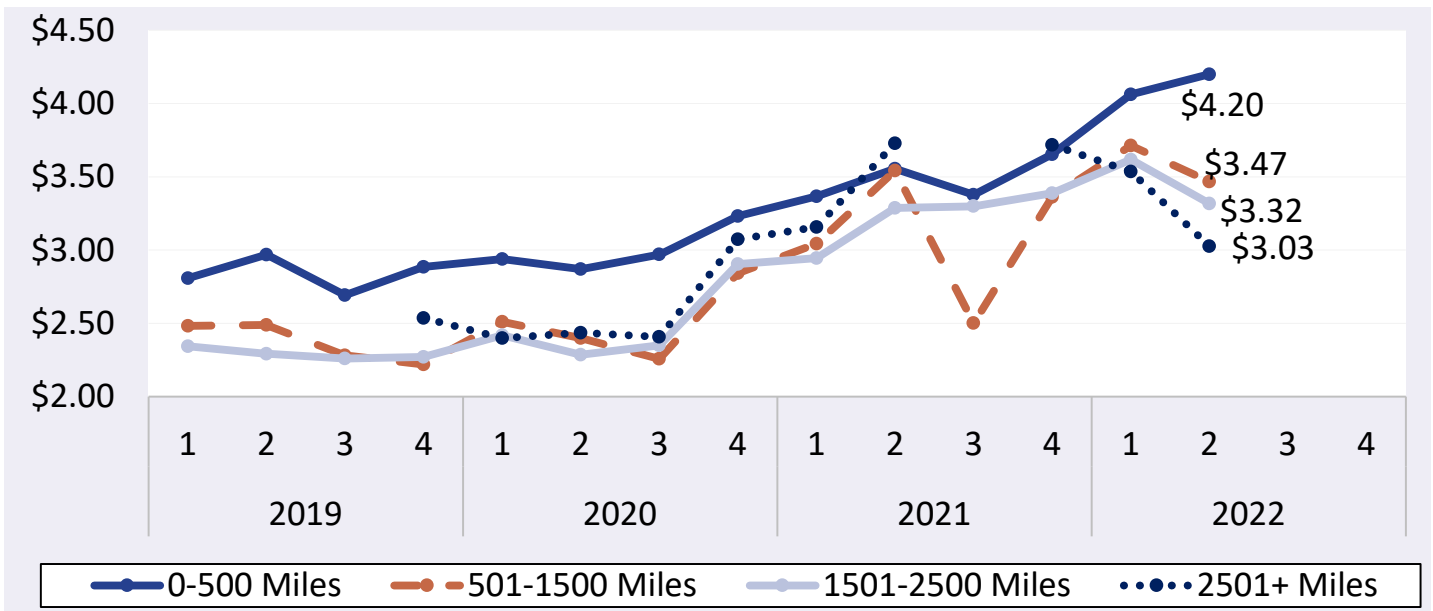
Quarter 2, 2022

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

Texas		California		Arizona		New Mexico	
Commodity	2nd Quarter 2022	Commodity	2nd Quarter 2022	Commodity	2nd Quarter 2022	Commodity	2nd Quarter 2022
Avocados	195	Strawberries	81	Watermelons, Seedless	284	Onions Dry	6
Limes	137	Onions Green	59	Grapes	172	Peppers, Other	5
Mangoes	117	Misc Tropical	48	Cucumbers	119	Misc Tropical	1
Tomatoes, Plum Type	114	Tomatoes, Plum Type	39	Tomatoes, Plum Type	106	Onions Green	< 1
Tomatoes	114	Asparagus	34	Squash	87	Cactus Leaf (Nopales)	< 1
Mexico through TX Total	1,611	Mexico through CA Total	561	Mexico through AZ Total	1,182	Mexico through NM Total	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.
 Note: Table values may not conform exactly due to rounding.

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



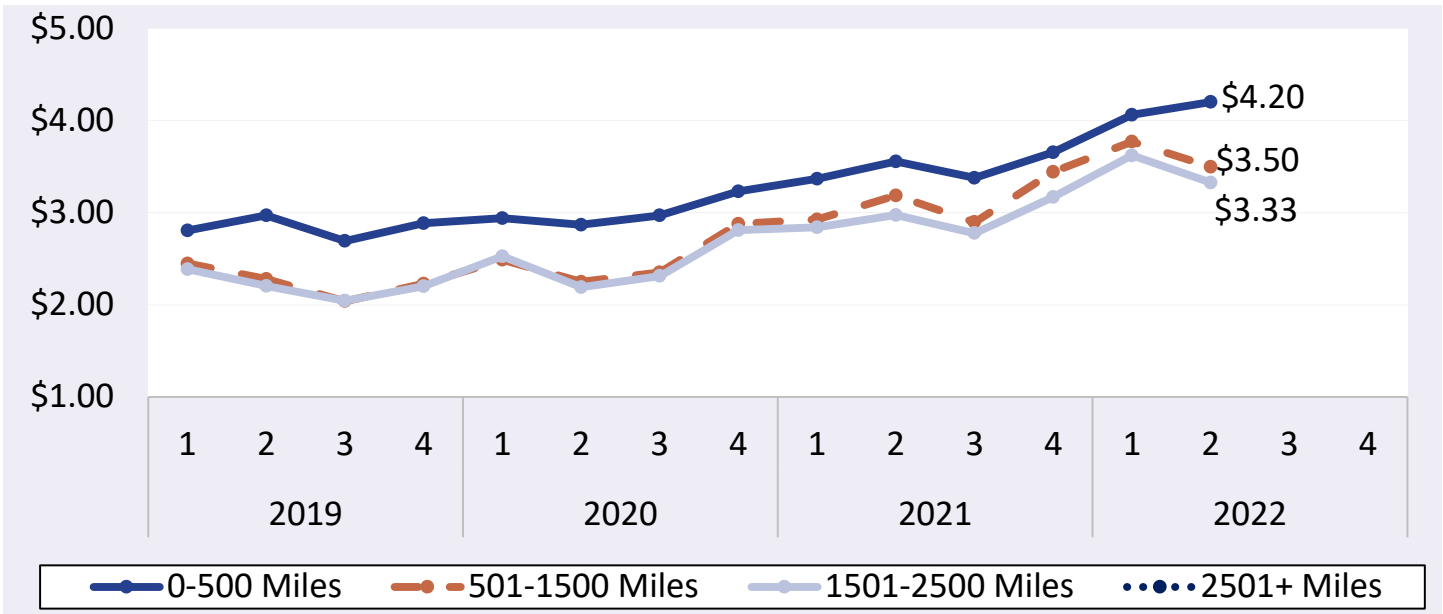
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

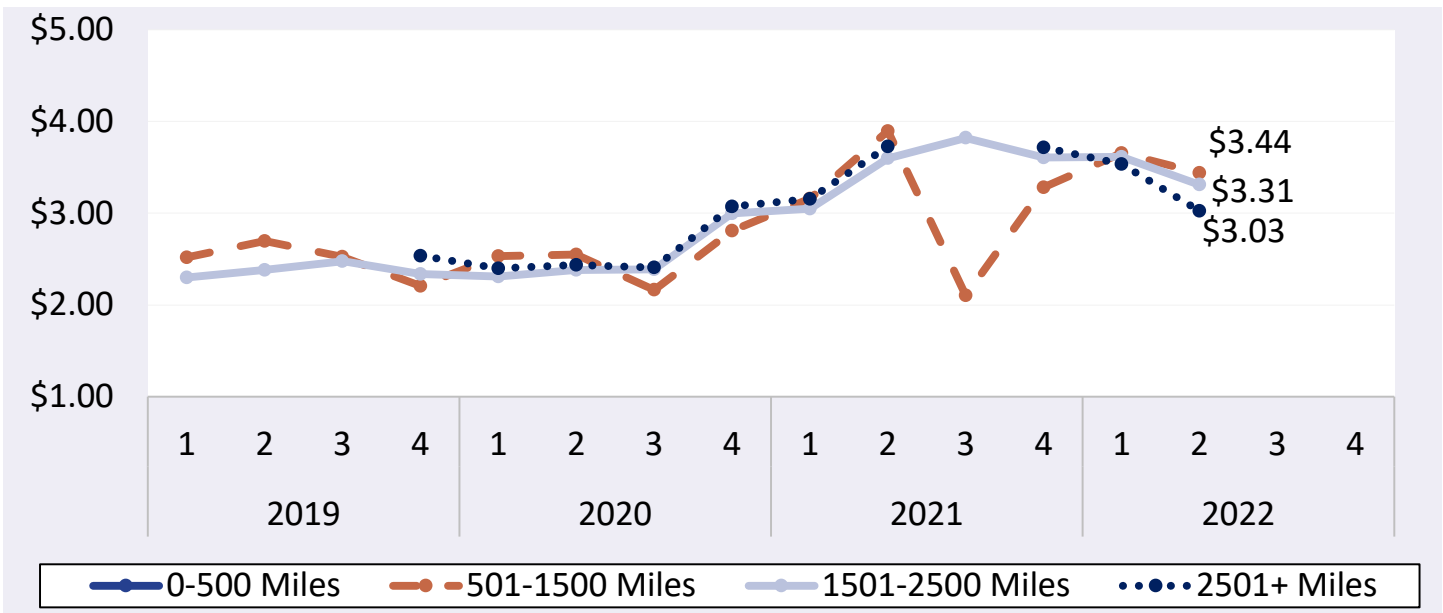
Quarter 2, 2022

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 2, 2022

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

Region/Reporting District	April	May	June	2nd Quarter
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	3	-	-	3
Mexico Crossings Through Nogales, Arizona	3	3	3	3
Mexico Crossings Through South Texas	2.98	2.68	1.35	2.34
Regional Average Availability	2.99	2.84	2.18	2.67
Diesel Fuel Price (\$/gallon), through Texas	4.89	5.25	5.39	5.18
Diesel Fuel Price (\$/gallon), through Arizona	5.29	5.62	6.08	5.66

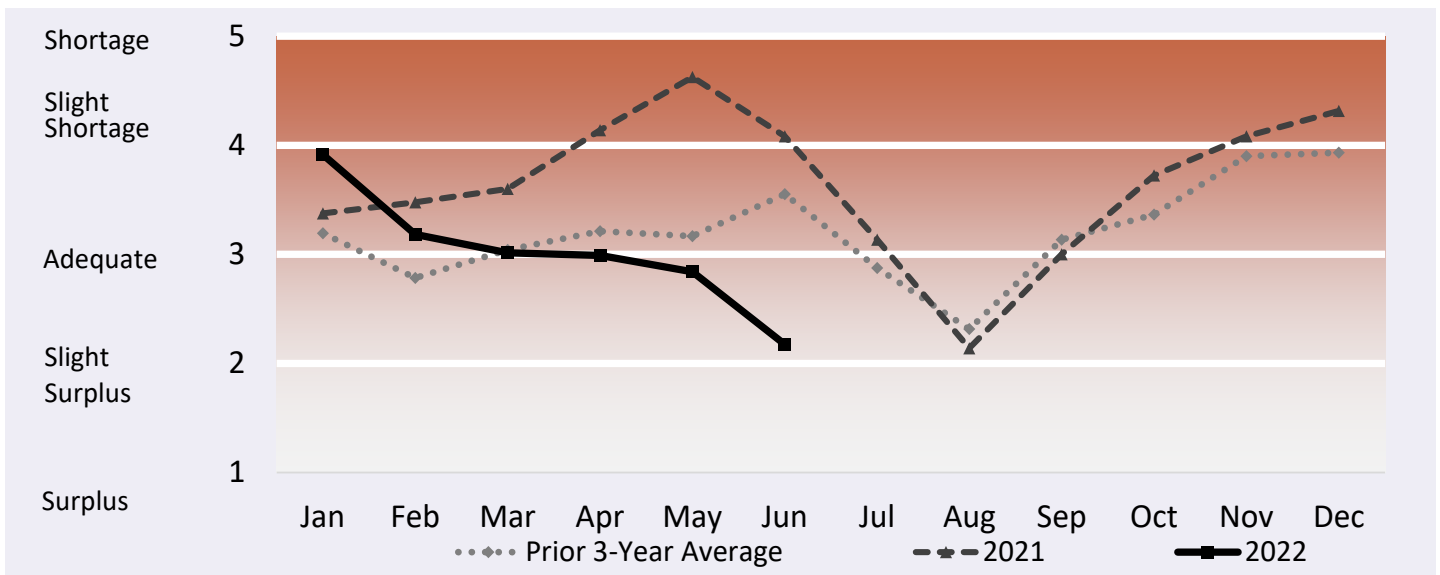
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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.



California

Volume

Total reported shipments of fruits and vegetables from California in second quarter 2022 were 2.86 million tons, down 17 percent year to year. The top five commodities shipped from California decreased 9 percent year to year. Two of the top 5 commodities saw year to year decreases in the second quarter, including oranges (down 42 percent) and lettuce, iceberg (down 4 percent). Shipments of lemons increased by 25 percent; shipments of strawberries increased by 12 percent; and shipments of lettuce, romaine, increased by 5 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.72 per mile—a 3-percent decrease quarter to quarter and a 6 percent increase year to year.

Truck Overview

Diesel fuel prices averaged \$6.54 per gallon—a 23-percent increase quarter to quarter and a 62-percent increase year to year. Throughout the quarter, monthly average truck availability was reported as adequate for all California districts.

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

Commodity	2nd Quarter 2022	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Strawberries	396	14%	75	353	426%	12%
Oranges	378	13%	116	650	227%	-42%
Lemons	329	12%	364	262	-10%	25%
Lettuce, Iceberg	284	10%	48	297	489%	-4%
Lettuce, Romaine	273	10%	63	260	331%	5%
Top 5 Total	1,662	58%	667	1,823	149%	-9%
California Total	2,857	100%	1,429	3,439	100%	-17%

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.

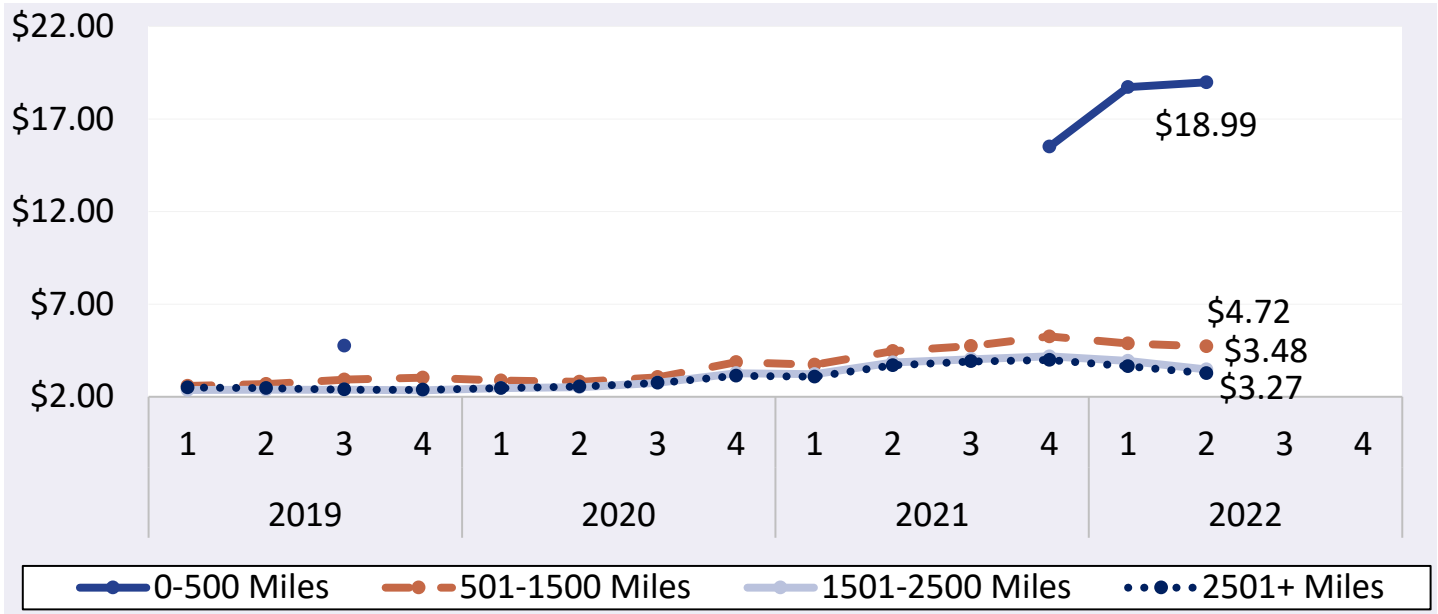
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Figure 9: 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 15: California Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	April	May	June	2nd Quarter
Kern District California	3	3	3	3
Oxnard District California	3	3	3	3
Salinas-Watsonville California	3	3	3	3
Santa Maria California	3	3	3	3
South District California	3	3	3	3
Regional Average Availability	3	3	3	3
Diesel Fuel Price (\$/gallon)	6.26	6.48	6.87	6.54

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

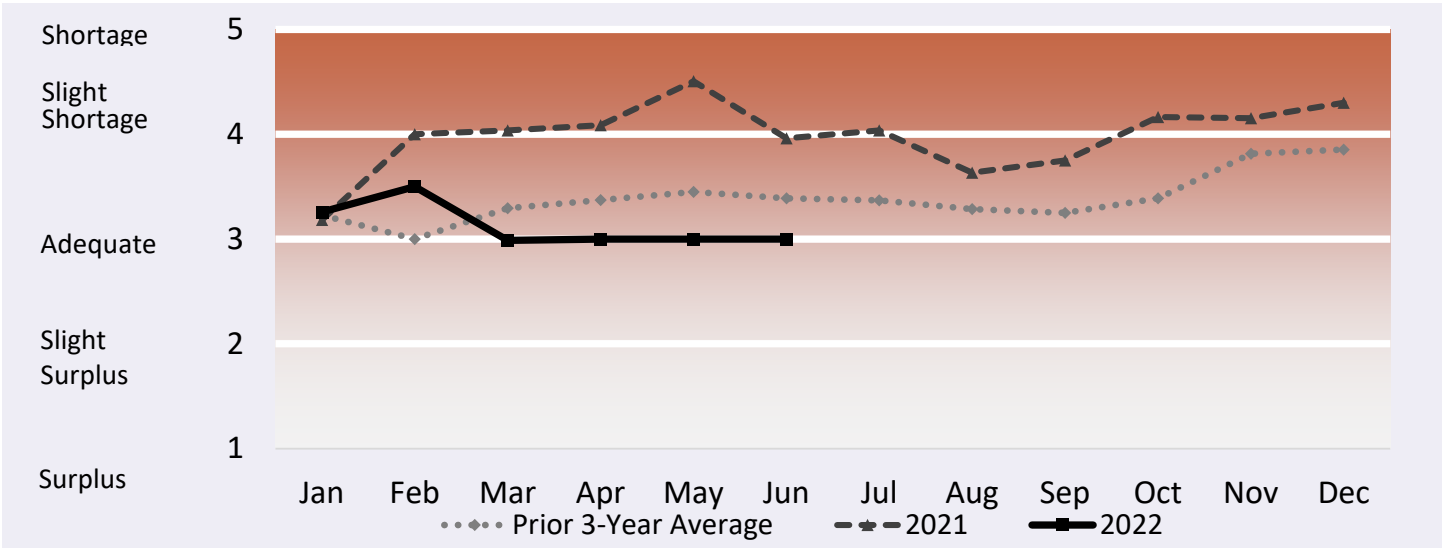
Any "-" in the table indicates no reported shipments during the quarter.

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 10: 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 2, 2022

PNW

Volume

During second quarter 2022, total reported shipments of fruits and vegetables from PNW were 1.32 million tons, decreasing 12 percent year to year. The sum of the top five commodities shipped from PNW also decreased 12 percent year to year. Except for pears (24-percent increase) and apples (flat), the rest of the top five commodities saw year-to-year decreases: cherries (down 59 percent); onions, dry (down 49 percent); and potatoes (down 9 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.85 per mile, decreasing 15 percent quarter to quarter and increasing 12 percent year to year.

Truck Overview

Diesel fuel prices averaged \$5.66 per gallon—a 25-percent increase quarter to quarter and a 69-percent increase year to year. Monthly average truck availability was reported as adequate for each district throughout the quarter, except for the district composed of Idaho and Malheur County, OR. This district reported adequate truck availability in April, but did not report in May or June.

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

Commodity	2nd Quarter 2022	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	664	50%	670	667	-1%	> -1%
Potatoes	440	33%	413	481	7%	-9%
Onions Dry	107	8%	366	208	-71%	-49%
Pears	78	6%	140	62	-45%	24%
Cherries	31	2%	-	75	-	-59%
Top 5 Total	1,320	100%	1,588	1,494	-17%	-12%
PNW Total	1,323	100%	1,589	1,504	-17%	-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.

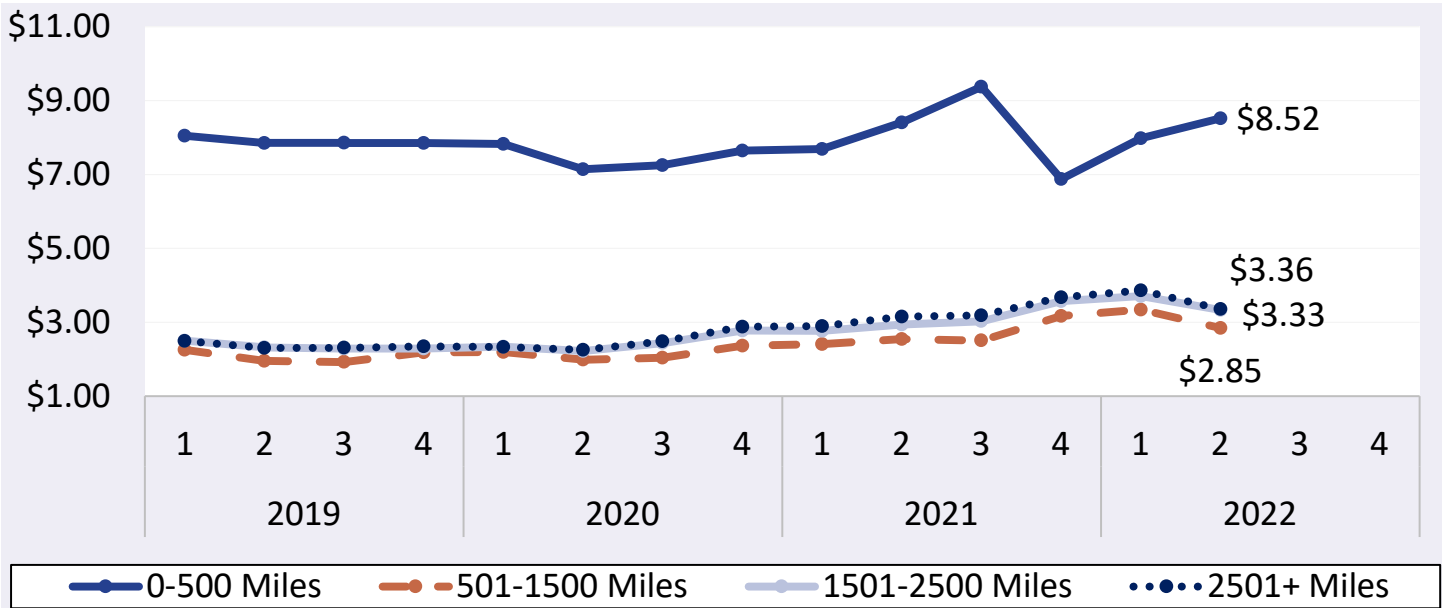
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Figure 11: 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 17: PNW Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	April	May	June	2nd Quarter
Columbia Basin Washington	3	3	2.5	2.83
Idaho And Malheur County, Oregon	3	-	-	3
Upper Valley, Twin Falls-Burley District Idaho	3	3	2.5	2.83
Yakima Valley And Wenatchee District, Washington	3	3	3	3
Regional Average Availability	3	3	2.67	2.89
Diesel Fuel Price (\$/gallon)	5.29	5.62	6.08	5.66

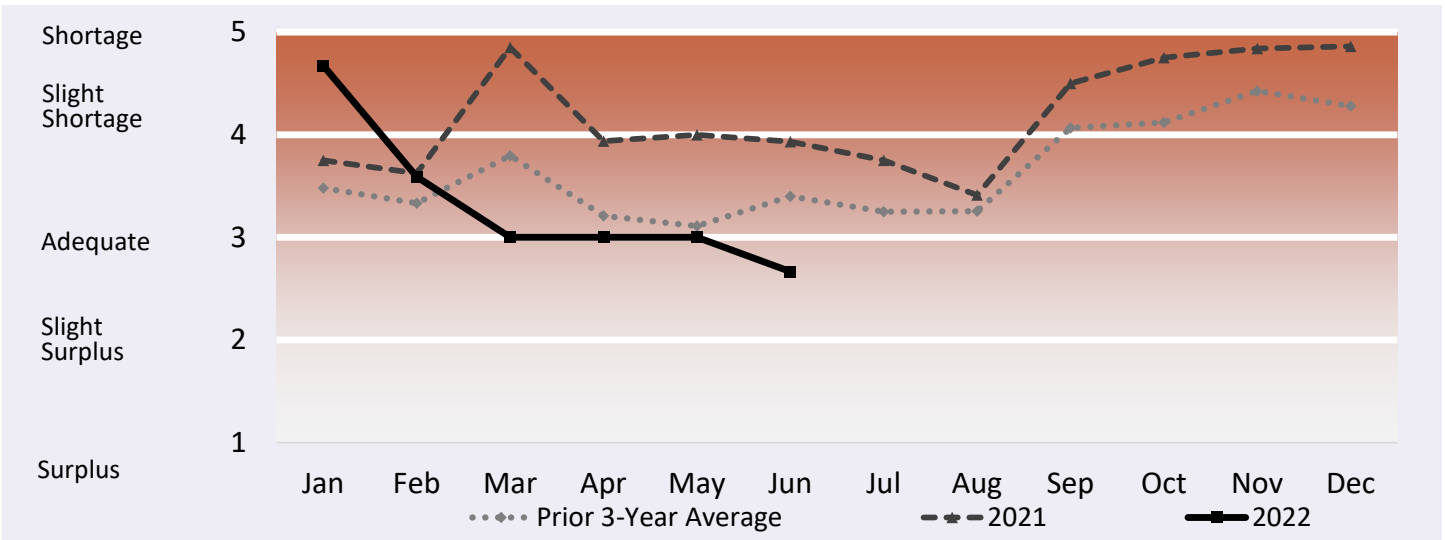
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. Any "-" in the table indicates no reported shipments during the quarter.

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 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.



Florida

Volume

During second quarter 2022, total reported shipments of fruits and vegetables from Florida were 940,000 tons, down 11 percent year to year. The sum of the top five commodities shipped from Florida decreased 12 percent year to year. All of the top five commodities saw year to year decreases, including corn, sweet (down 31 percent); watermelons, seeded (down 15 percent); potatoes (down 10 percent); watermelons, seedless (down 9 percent); and tomatoes (down 6 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.48 per mile—up 8 percent quarter to quarter and down 8 percent year to year.

Truck Overview

Diesel fuel prices averaged \$5.44 per gallon—up 28 percent quarter to quarter and up 76 percent year to year. The Central and South Florida district reported a truck shortage throughout the quarter. The Florida West and South Carolina district reported a truck shortage in June, but the district did not report in April or May. The Florida district reported adequate availability throughout the quarter.

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

Commodity	2nd Quarter 2022	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	413	44%	1	456	-	-9%
Tomatoes	100	11%	105	106	-4%	-6%
Corn-Sweet	82	9%	46	119	79%	-31%
Potatoes	75	8%	39	83	91%	-10%
Watermelons, Seeded	36	4%	-	43	-	-15%
Top 5 Total	707	75%	190	806	272%	-12%
Florida Total	940	100%	671	1,053	40%	-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.

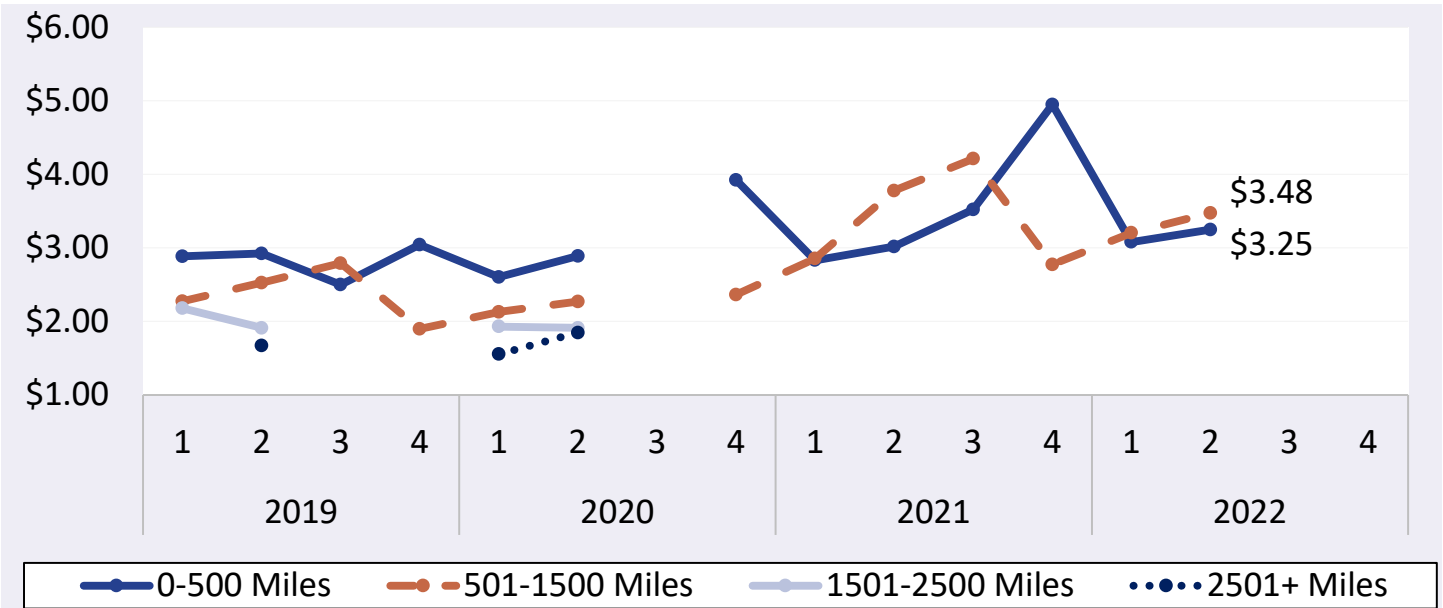
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Figure 13: 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 19: Florida Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	April	May	June	2nd Quarter
Central And South Florida	4.75	4.6	5	4.78
Florida	3	3	3	3
Florida West And South Carolina District	-	-	5	5
Regional Average Availability	3.88	3.8	4.33	4.00
Diesel Fuel Price (\$/gallon)	5.06	5.54	5.73	5.44

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

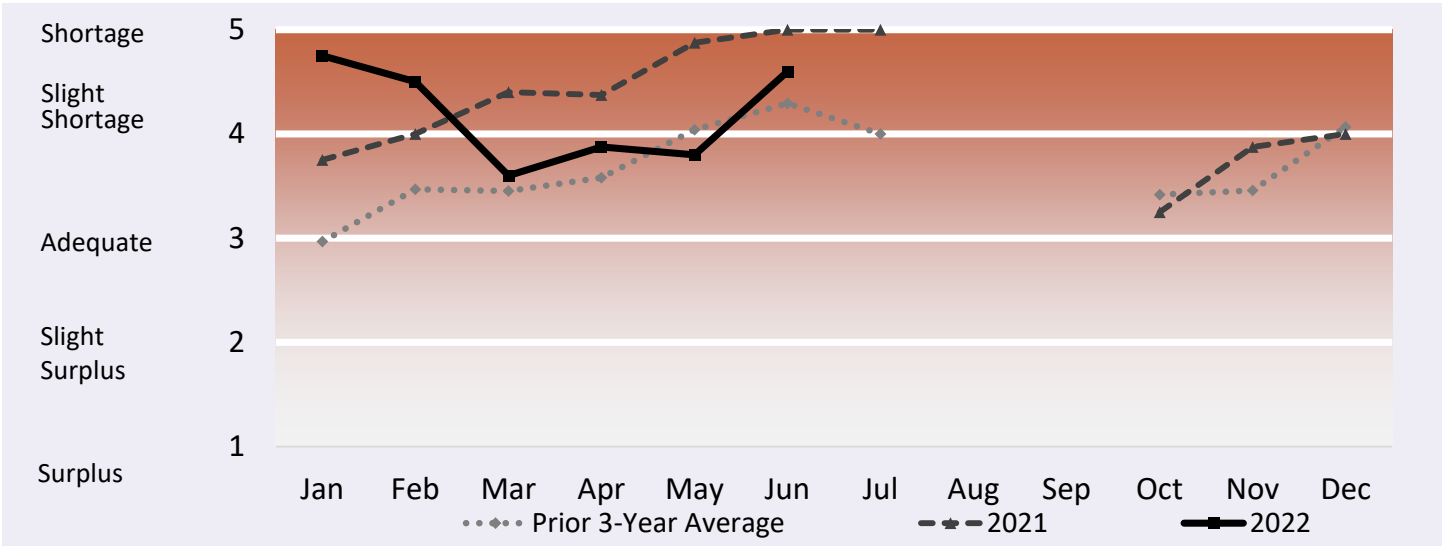
Any "-" in the table indicates no reported shipments during the quarter.

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 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.



Southeast

Volume

Total reported shipments of fruits and vegetables from the Southeast in second quarter 2022 were 648,000 tons, up 6 percent year to year. The sum of the top five commodities shipped from the Southeast increased 11 percent year to year. One of the top five commodities increased year to year: watermelons, seedless (up 35 percent). Shipments of cantaloupe were flat. Shipments of corn, sweet, decreased 27 percent; shipments of sweet potatoes decreased 10 percent; and shipments of onions, dry, decreased 2 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.92 per mile—down 1 percent quarter to quarter and up 8 percent year to year.

Truck Overview

Diesel fuel prices averaged \$5.44 per gallon—up 28 percent quarter to quarter and up 76 percent year to year. Throughout the quarter, the Eastern North Carolina district reported truck shortages and the Georgia district reported slight shortages. The Vidalia district reported adequate truck availability throughout the quarter.

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

Commodity	2nd Quarter 2022	Share of Southeast Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	253	39%	-	187	-	35%
Onions Dry	79	12%	-	81	-	-2%
Sweet Potatoes	66	10%	69	74	-3%	-10%
Corn-Sweet	34	5%	-	46	-	-27%
Cantaloupe	24	4%	-	24	-	< 1%
Top 5 Total	455	70%	69	411	563%	11%
Southeast Total	648	100%	113	609	473%	6%

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.

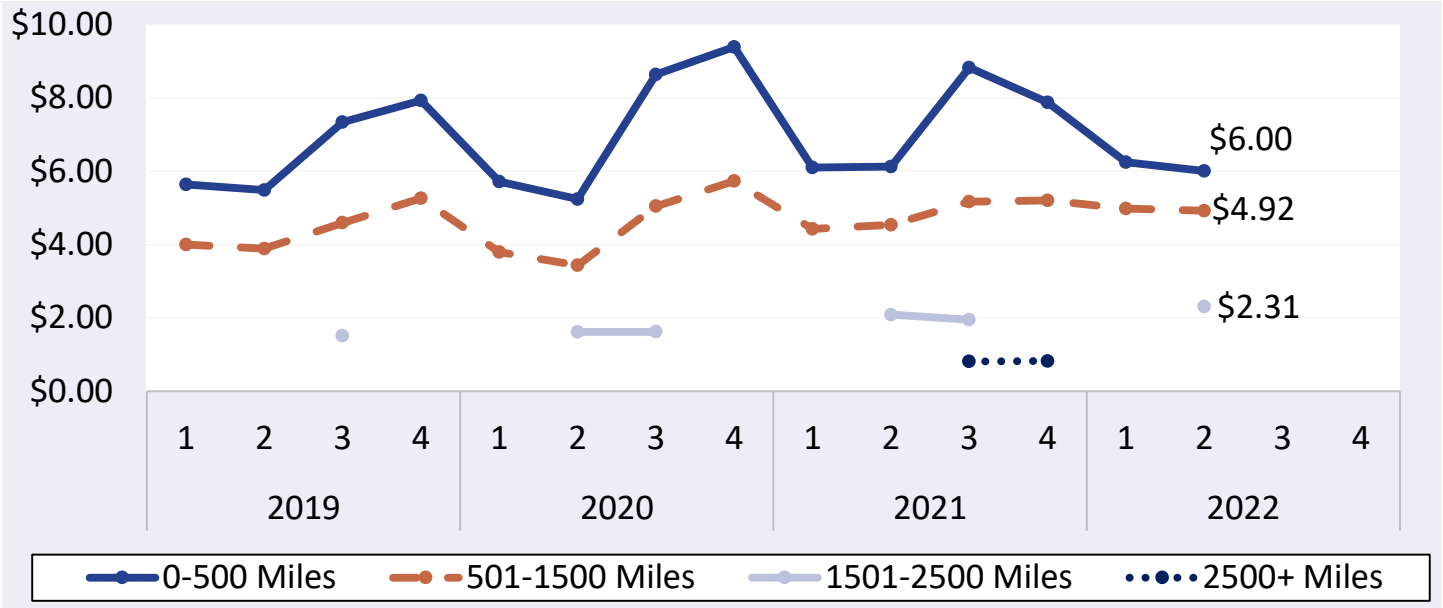
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Figure 15: Southeast 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: Southeast Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	April	May	June	2nd Quarter
Eastern North Carolina	5	5	5	5
Florida West And South Carolina District	-	-	5	5
Georgia	-	3.72	3.8	3.76
Vidalia District Georgia	3	3	3	3
Regional Average Availability	4	3.91	4.2	4.04
Diesel Fuel Price (\$/gallon)	5.06	5.54	5.73	5.44

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.

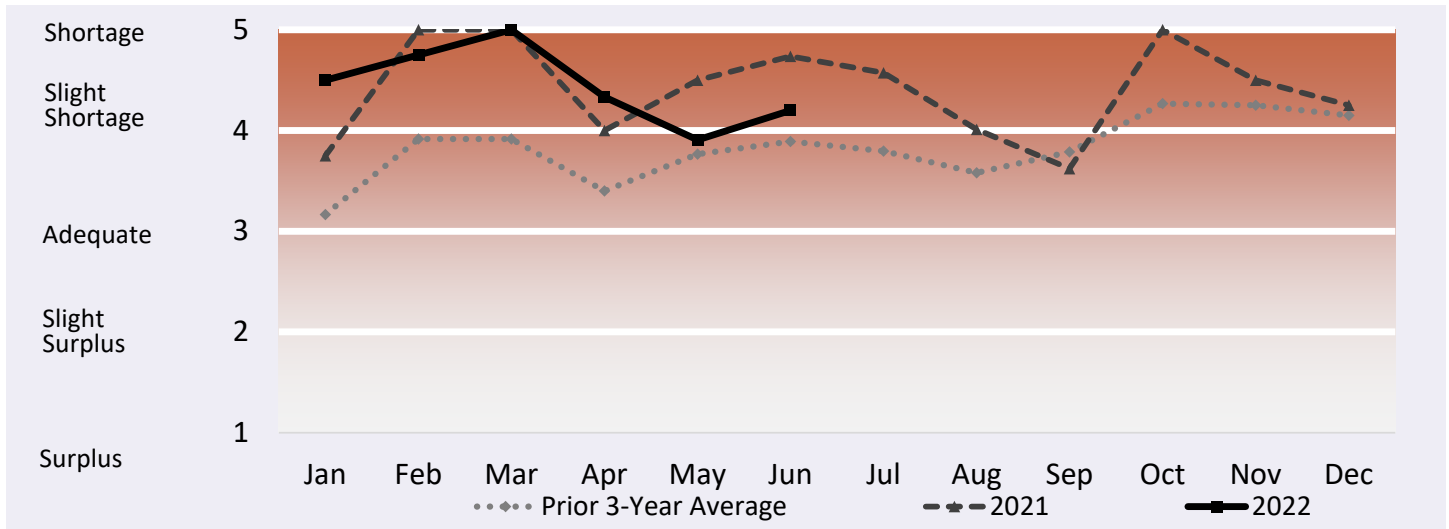
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2022

Figure 16: Refrigerated Truck Availability Monthly Ratings for Southeast



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/pdf/HS/HS132800.pdf>

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