



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 second-quarter 2021 U.S. truck shipments of fresh produce were 11.51 million tons, 14 percent higher than the previous quarter, and 7 percent higher than same quarter last year.

Also, in the second quarter, shipments from the Mexico border were 3.51 million tons, higher than those from any other reported origin. Shipments from Mexico accounted for 30 percent of the total reported shipments of fresh fruit and vegetables. The next four top regions by volume were as follows: shipments from California were 3.43 million tons, representing 30 percent of the total; shipments from the Pacific Northwest (PNW) were 1.50 million tons, representing 13 percent of the total; movements from Florida were 1.05 million tons, representing 9 percent of the reported total; and finally, shipments from the Southeast were 609,000 tons, representing 5 percent of the total.

These top five commodities accounted for 39 percent of reported truck movements in second quarter 2021:

- ▶ Seedless Watermelons (11 percent)
- ▶ Potatoes (10 percent)
- ▶ Apples (6 percent)
- ▶ Dry Onions (6 percent)
- ▶ Oranges (6 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 2020	2.57	2.51	2.27	1.55
Q3 2020	2.95	2.56	2.53	1.44
Q4 2020	3.26	2.92	2.85	1.66
Q1 2021	2.68	2.89	2.55	1.75
Q2 2021	3.13	3.70	2.97	1.92
Q2 Change from Previous Quarter	17%	28%	17%	10%
Q2 Change from Same Quarter Last Year	22%	47%	31%	24%

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.

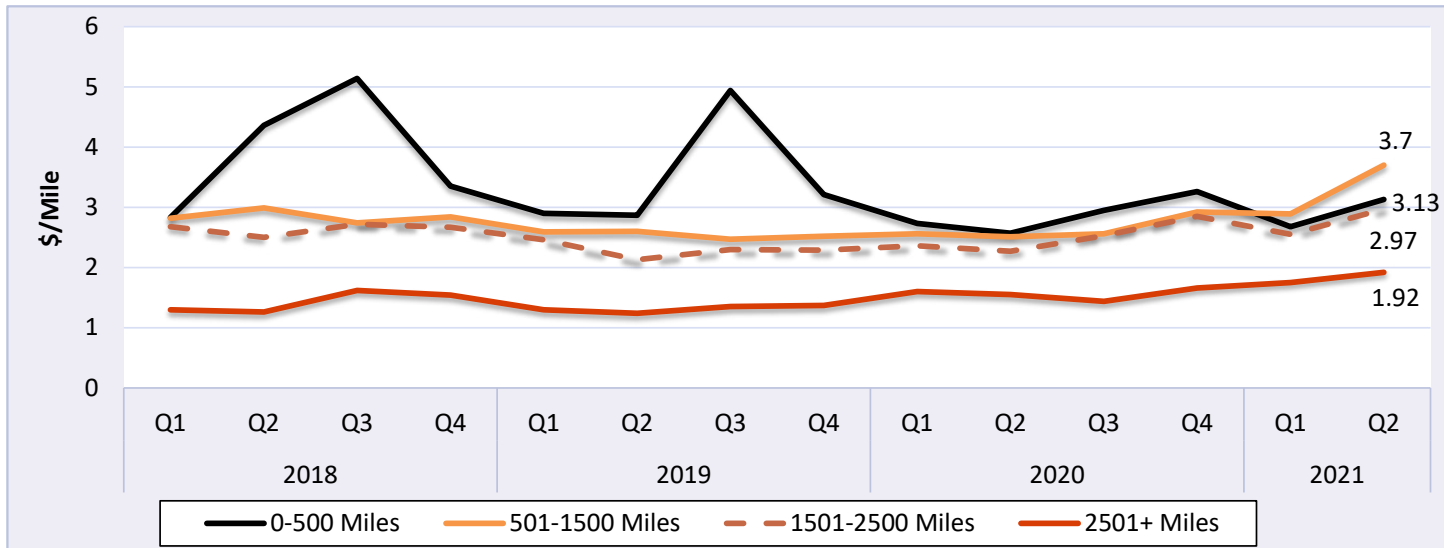
Diesel Fuel

During second quarter 2021, the U.S. diesel fuel price averaged \$3.21 per gallon—up 11 percent from the previous quarter and up 32 percent from the same quarter last year.



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
2021	2.89	3.70		
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
2009	1.85	1.99	2.02	1.86

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.



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

U.S. Origin	2nd Quarter, 2021			1st Quarter, 2021		
	April	May	June	January	February	March
Arizona	4.17	n/a	5.27	3.89	3.88	4.18
California	3.99	4.50	4.80	3.50	3.53	4.07
Florida	3.55	3.99	3.81	2.28	2.80	3.16
Great Lakes	3.97	4.01	3.77	3.89	3.80	3.94
Mexico-Arizona	3.29	4.56	3.85	3.04	3.21	3.21
Mexico-Texas	3.03	3.33	3.20	2.93	2.90	2.95
New York	4.40	4.40	4.40	4.77	4.45	4.40
Other	2.98	3.20	3.47	2.52	2.53	2.76
PNW	2.51	2.56	2.57	2.40	2.31	2.50
Southeast	4.33	4.49	4.63	4.42	4.42	4.42
Texas	2.98	3.36	n/a	3.66	3.48	3.34

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 2021 (\$/Mile)

U.S. Origin	Destination								
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia
Arizona	3.98	3.72	3.64	3.75	4.90	n/a	3.77	3.75	3.71
California	3.91	3.72	3.64	3.72	4.35	n/a	3.72	3.72	3.66
Florida	3.85	4.01	3.76	2.91	n/a	n/a	2.71	4.19	3.73
Great Lakes	3.89	4.23	3.85	4.46	3.18	n/a	3.19	4.47	3.95
Mexico-Arizona	3.51	3.75	3.73	3.23	4.35	3.44	3.46	3.77	3.81
Mexico-Texas	3.39	3.27	3.26	2.98	3.55	1.97	2.91	3.46	3.32
New York	5.00	7.58	14.71	n/a	n/a	n/a	3.79	n/a	10.87
Other	3.53	2.88	2.41	3.06	4.95	n/a	3.71	3.52	3.09
PNW	3.05	3.05	3.06	2.99	3.01	2.54	2.92	3.22	3.02
Southeast	6.72	5.63	4.54	4.21	3.58	2.09	4.22	5.37	5.08
Texas	3.96	3.41	n/a	2.99	4.04	n/a	3.23	3.36	3.52

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Note: "n/a" indicates rates not available.



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Table 4: Origin-Destination Truck Rates for Selected Routes, 2nd Quarter 2021 (\$/Truck)

U.S. Origin	Destination								
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia
Arizona	8,367	9,667	10,567	7,617	6,375	n/a	9,808	10,125	9,825
California	8,762	10,156	11,067	7,818	6,424	n/a	10,446	10,559	10,175
Florida	1,836	3,842	5,002	3,462	n/a	n/a	650	4,667	3,869
Great Lakes	3,759	3,708	4,683	1,308	3,535	n/a	5,442	4,264	3,662
Mexico-Arizona	6,309	8,815	10,067	5,821	4,265	1,927	7,873	9,415	9,138
Mexico-Texas	3,904	5,862	7,162	4,262	1,777	3,146	4,450	6,927	6,308
New York	5,000	2,500	2,500	n/a	n/a	n/a	5,500	n/a	2,500
Other	3,137	5,153	5,175	2,963	2,502	n/a	6,860	5,740	5,693
PNW	7,106	7,532	8,425	5,368	5,553	2,593	8,716	8,258	7,620
Southeast	1,839	2,743	4,233	3,612	3,405	4,910	2,704	3,706	2,976
Texas	4,200	5,870	n/a	4,060	1,736	n/a	4,718	6,390	6,415

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.



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Table 5: Average Diesel Fuel Prices (All Types)

Region	2nd Quarter 2021 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	3.19	10%	26%
California	4.03	10%	25%
New England	3.14	9%	18%
Central Atlantic	3.36	9%	24%
Lower Atlantic	3.09	10%	29%
Gulf Coast	2.99	12%	35%
Midwest	3.15	11%	38%
Rocky Mountain	3.33	17%	39%
West Coast Except California	3.36	12%	29%
U.S.	3.21	11%	32%

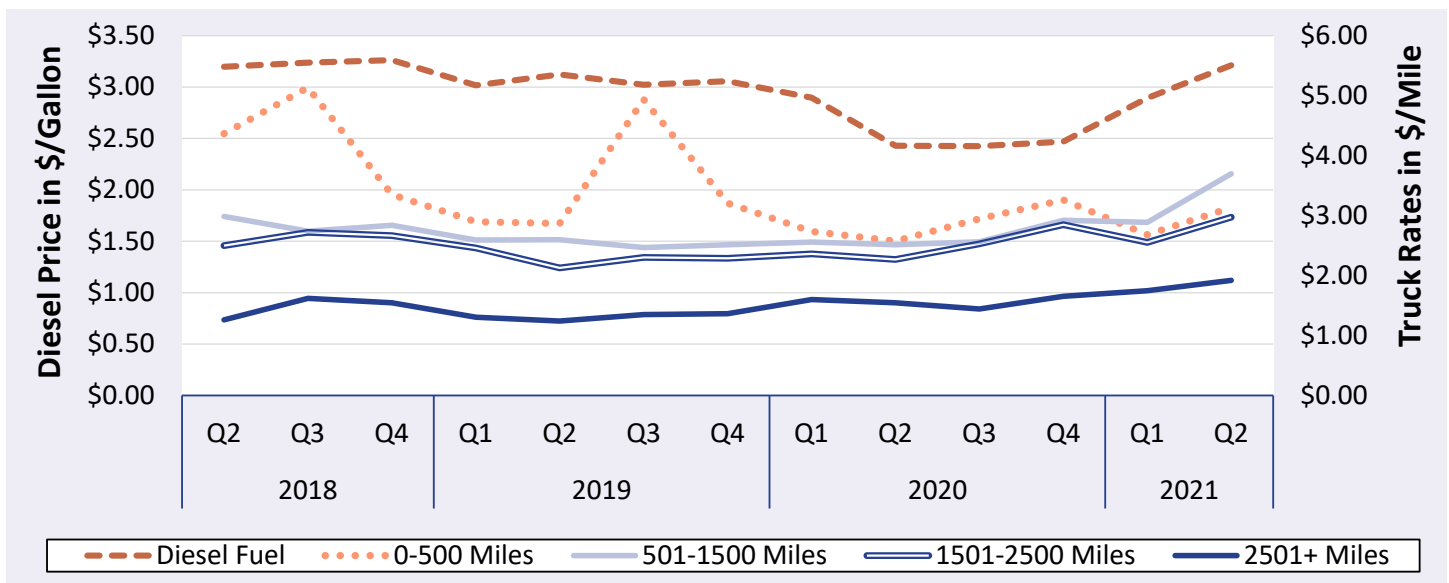
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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.



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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
2018	Q2	3.20	2.99	6%	6%	25%	24%
	Q3	3.24	2.74	1%	-8%	23%	18%
	Q4	3.26	2.84	1%	4%	14%	11%
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	2.89	17%	-1%	> -1%	13%
	Q2	3.21	3.70	11%	28%	32%	47%

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.



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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	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	Cantaloupe, Sweet Corn, Honeydews, Galia Melon, Hami Melon, Juan Canary Melon, Orange-Flesh Melon, Bell Peppers, Watermelons, Eggplant, Romaine Lettuce, Leaf Lettuce, Broccoli, Cauliflower, Celery	3	4								4	4	4	4
Kern District California	Carrots	3	4	5	5	5	5	4	4	4	4	4	4	4
Oxnard District California	Cabbage, Celery, Cilantro, Kale Greens, Parsley, Strawberries, Romaine Lettuce, Kale	3	4	5	5	5	5	4	4	4	4	4	4	4
Salinas-Watsonville California	Broccoli, Cauliflower, Celery, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Lettuce, Leaf Lettuce	3	4	5	5	5	5	4	4	4	4	4	4	4
San Joaquin Valley California	Apricots, Nectarines, Peaches											4	4	4
Santa Maria California	Broccoli, Cauliflower, Celery, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Lettuce, Leaf Lettuce	3	4	5	5	5	5	4	4	4	4	4	4	4
South District California	Avocados, Grapefruit, Lemons, Oranges, Citrus	4	4	3	4	5	5	4	4	4	4	4	4	4
Florida	Commodities	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Central & South Florida	Cantaloupe, Sweet Corn, Cucumbers, Eggplant, Bell Peppers, Other Peppers, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons, Beans, Squash, Fresh Cut Cabbage, Radishes, Endive, Escarole, Vegetables, Melons, Berries	5	5	5	5	5	5	5	5	5				
Florida	Potatoes	4	3	3	5	5	5	5	4					
North & West Florida	Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons, Cucumbers										5	5	5	5
Great Lakes (MI & WI)	Commodities	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Central Wisconsin	Potatoes, Onions	4	3	3	3	3	3	4	4	3	3	3	4	4
Michigan	Apples	5	5	5	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.



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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	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Columbia Basin Washington	Potatoe`s, Dry Onions, Onions	4	4	4	4	4	4	4	4	4	4	4	4	4
Idaho And Malheur County, Oregon	Dry Onions, Onions	4	4	4	4	4	4							
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	4	4	4	4	4	4	4	4	4	4	4	4	4
Yakima Valley & Wenatchee District Washington	Apples, Apricots, Blueberries, Cherries, Pears	4	4	3	4	5	4	4	3	4	4	4	3	4
U.S.-Mexico border	Commodities	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Nogales, Arizona	Grapes, Honeydews, Mangos, Watermelons, Cucumbers, Tomatoes, Plum Tomatoes, Grape Tomatoes, Bell Peppers, Other Peppers, Eggplant, Squash, Round Green Beans, Tomatillos, Oranges, Sweet Corn, Grapefruit, Beans, Corn, Honeydew, Peppers, Tomatoes,Watermelon	5	4	4	5	5	5	5	5	4	5	4	4	4
South Texas	Broccoli, Carrots, Chayote, Cilantro, Cucumbers, Limes, Mangos, Papaya, Anaheim Peppers, Bell Peppers, Habanero Peppers, Jalapeno Peppers, Poblano Peppers, Serrano Peppers, Pineapples, Tomatillos, Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons			4	3	4	5	4	4	3	3	4	4	4
Texas	Limes, Tomatoes, Broccoli, Watermelon, Mixed Fruit and Vegetables	4	4											
Southern New Mexico	Dry Onions											5	5	5
Southeast (GA, SC, & NC)	Commodities	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Eastern North Carolina	Sweet Potatoes	4	5	3	4	5	5	5	5	5	5	5	5	5
South Carolina	Cantaloupe, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Watermelons												5	5
South Georgia	Beans, Sweet Corn, Cucumbers, Eggplant, Bell Peppers, Other Peppers, Squash, Watermelons, Mixed Vegetables, Cabbage, Greens										5	5	5	5
Vidalia District Georgia	Dry Onions				4	4	4	4	4	4	4	4	4	4
Texas and Oklahoma	Commodities	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
Lower Rio Grande Valley, Texas	Dry Onions				5	4	4	4	4					

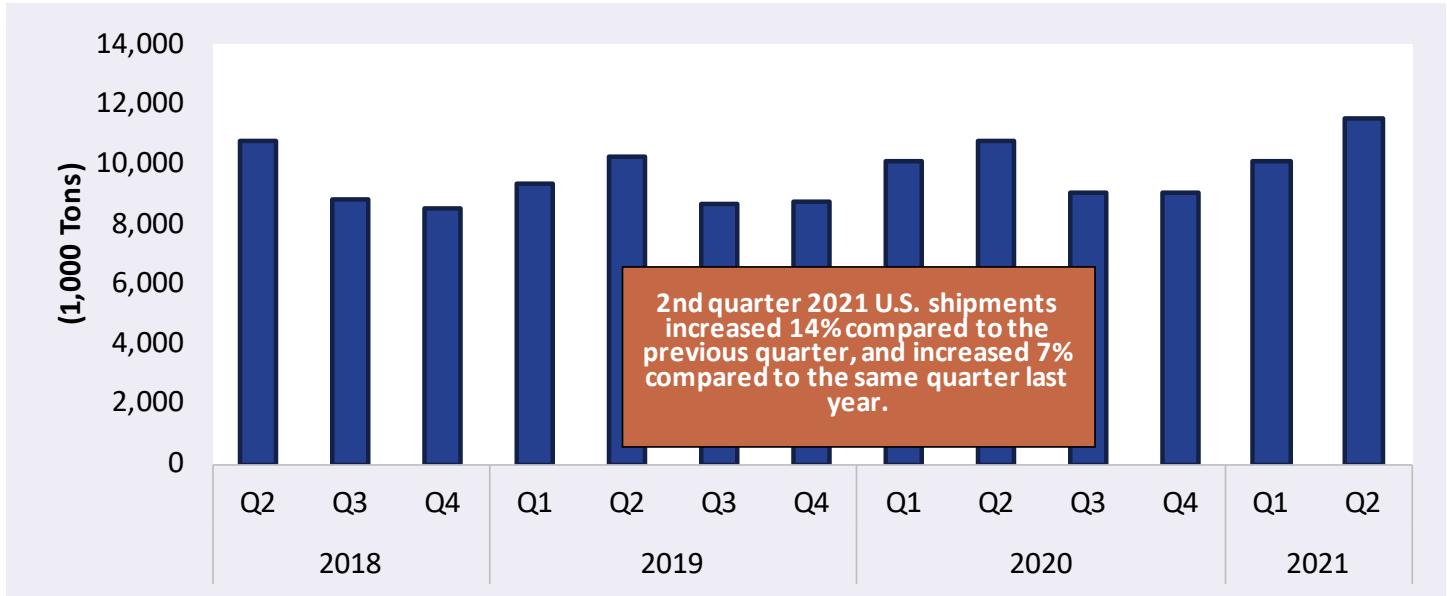
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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
2021	10,113	11,507			21,620
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
2005	6,877	8,324	7,737	7,387	30,325

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

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



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Reported Shipments by Selected Commodities

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

Commodity	2nd Quarter 2021	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	1,211	116	1,469	947%	-18%
Potatoes	1,101	1,185	1,108	-7%	-1%
Apples	730	842	761	-13%	-4%
Onions Dry	709	695	767	2%	-8%
Oranges	707	831	735	-15%	-4%
Strawberries	446	409	416	9%	7%
Tomatoes	438	713	499	-39%	-12%
Avocados	365	751	576	-51%	-37%
Cucumbers	345	584	453	-41%	-24%
Lettuce, Iceberg	340	312	359	9%	-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.

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

Origin	2nd Quarter 2021 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3506	-1%	20%
California	3426	52%	1%
PNW	1504	-16%	-1%
Florida	1053	64%	11%
Southeast	609	412%	-5%
Canada	331	15%	56%
Arizona	227	-63%	20%
Texas	207	80%	-33%
Colorado	175	-15%	11%
Great Lakes	105	-41%	-22%

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: On Jan. 1, 2020, Specialty Crops Market News transitioned to the Department of Homeland Security ACE reporting system. According to AMS Specialty Crops Program, ACE is a more complete data system than their prior source and is an important factor behind the large increase in movements from the Canada border.



REGIONAL MARKETS

U.S.-Mexico Border

Volume

USDA reported total shipments of fruits and vegetables from Mexico in second quarter 2021 were 3.51 million tons, a 20-percent increase year to year. The sum of the top five commodities shipped from the U.S.-Mexico border also increased 21 percent year to year. Four of top five commodities saw year-to-year increases in the second quarter, including cucumbers (32 percent), tomatoes (31 percent), seedless watermelon (27 percent), and avocados (21 percent). Shipments of tomatoes (plum type) decreased by 3 percent.

Rates

In second quarter 2021, truck rates for shipments between 501 miles and 1,500 miles, from Arizona border crossings, averaged \$3.90 per mile. This was up 23 percent from first quarter to second quarter 2021 (quarter to quarter) and up 53 percent from second quarter 2020 to second quarter 2021 (year to year). Rates for shipments between 501 miles and 1,500 miles, from Texas border crossings, averaged \$3.19 per mile, up 9 percent quarter to quarter and up 42 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$3.36 per gallon—a 12-percent increase quarter to quarter and a 29-percent increase year to year. Diesel fuel prices for border crossings from Texas averaged \$2.99 per gallon—up 12-percent quarter to quarter and up 35 year to year. All Mexico crossings districts reported a slight shortage in monthly average truck availability throughout the quarter, except for crossings through Texas, which did not report in May and June.

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

Commodity	2nd Quarter 2021	Share of Mexico-Total Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	377	11%	58	298	552%	27%
Avocados	293	8%	371	242	-21%	21%
Cucumbers	241	7%	272	183	-11%	32%
Tomatoes, Plum Type	211	6%	267	218	-21%	-3%
Tomatoes	209	6%	289	160	-28%	31%
Top 5 Total	1,331	38%	1,257	1,101	6%	21%
Mexico Total	3,506	100%	3,554	2,927	-1%	20%

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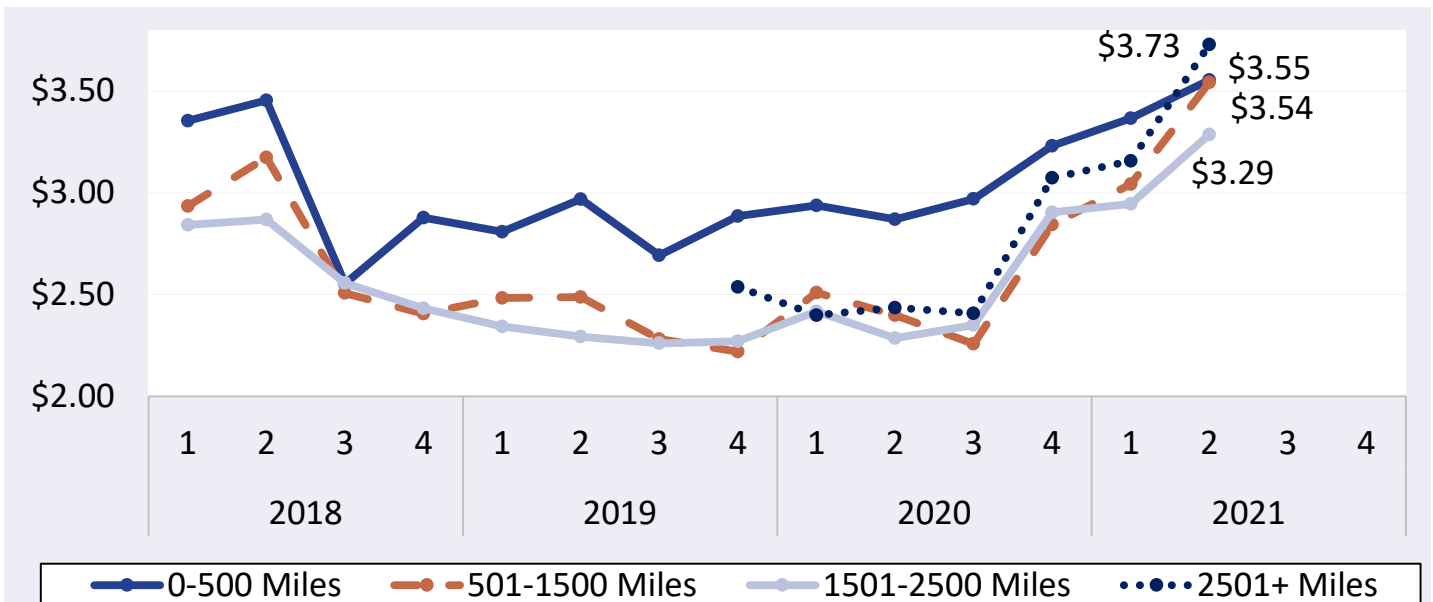
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Table 12: Top 5 Commodities Shipped to U.S. from Mexico by State of Entry (1,000 tons)

Texas		California		Arizona		New Mexico	
Commodity	2nd Quarter 2021	Commodity	2nd Quarter 2021	Commodity	2nd Quarter 2021	Commodity	2nd Quarter 2021
Avocados	287	Strawberries	83	Watermelons, Seedless	342	Onions Dry	11
Limes	150	Onions Green	50	Grapes	172	Peppers, Other	7
Tomatoes	143	Misc Tropical	39	Cucumbers	112	Misc Tropical	< 1
Mangoes	121	Peppers, Other	35	Tomatoes, Plum Type	104	Tomatoes	< 1
Cucumbers	98	Tomatoes, Plum Type	33	Squash	99	Onions Green	< 1
Mexico through TX Total	1,662	Mexico through CA Total	563	Mexico through AZ Total	1,263	Mexico through NM Total	18

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)



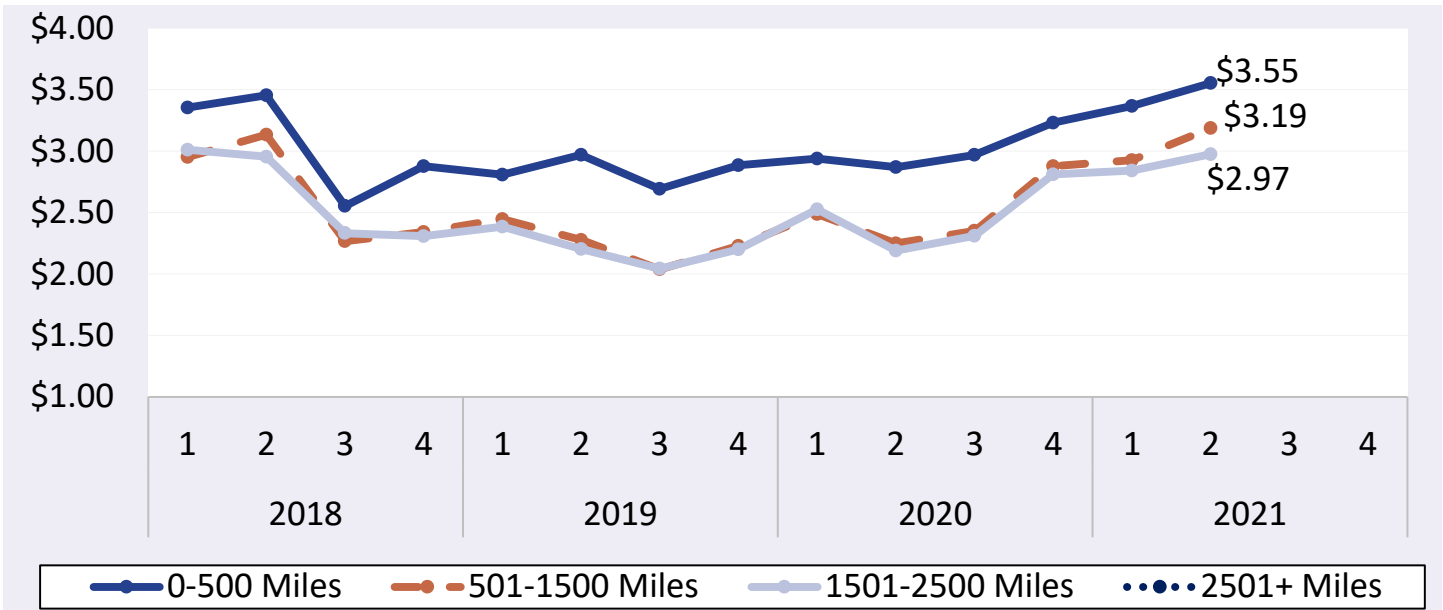
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

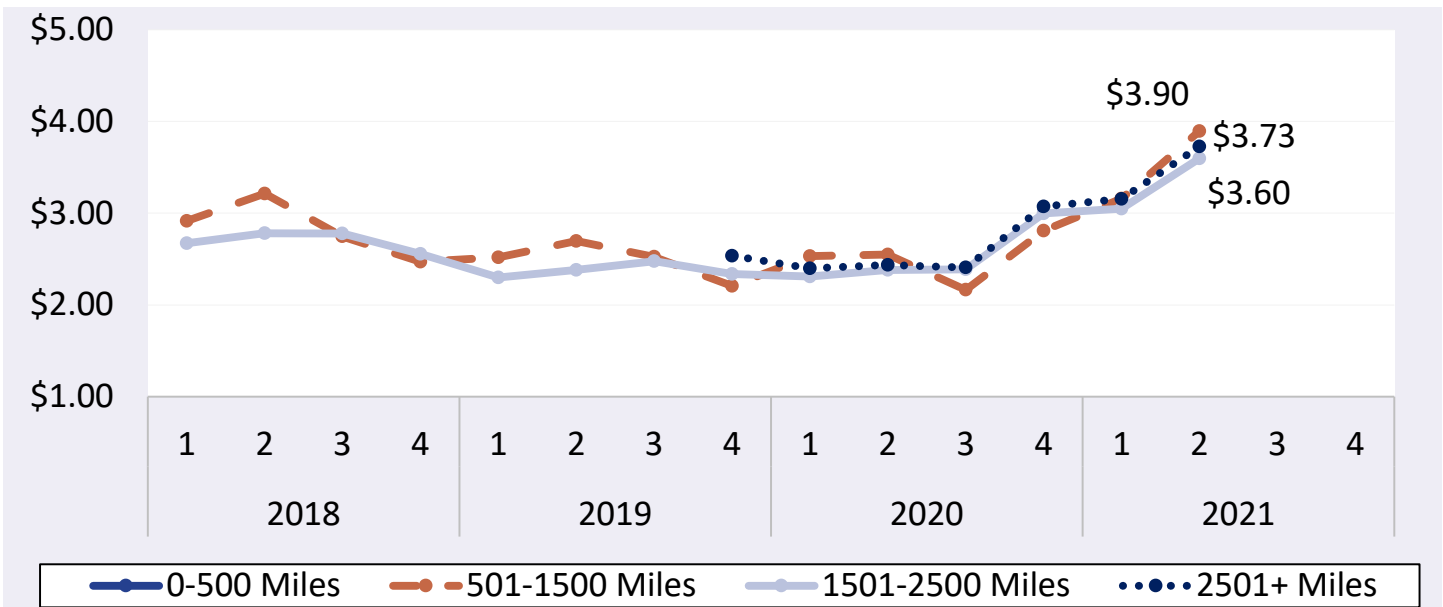
Quarter 2, 2021

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, 2021

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

Region/Reporting District	April	May	June	2nd Quarter
Mexico Crossings Through Nogales, Arizona	4.53	5	4.05	4.53
Mexico Crossings Through South Texas	3.5	4.25	3.6	3.78
Mexico Crossings Through Texas	4	-	-	4
Regional Average Availability	4.01	4.63	3.83	4.15
Diesel Fuel Price (\$/gallon), through Texas	2.93	3.00	3.04	2.99
Diesel Fuel Price (\$/gallon), through Arizona	3.25	3.36	3.47	3.36

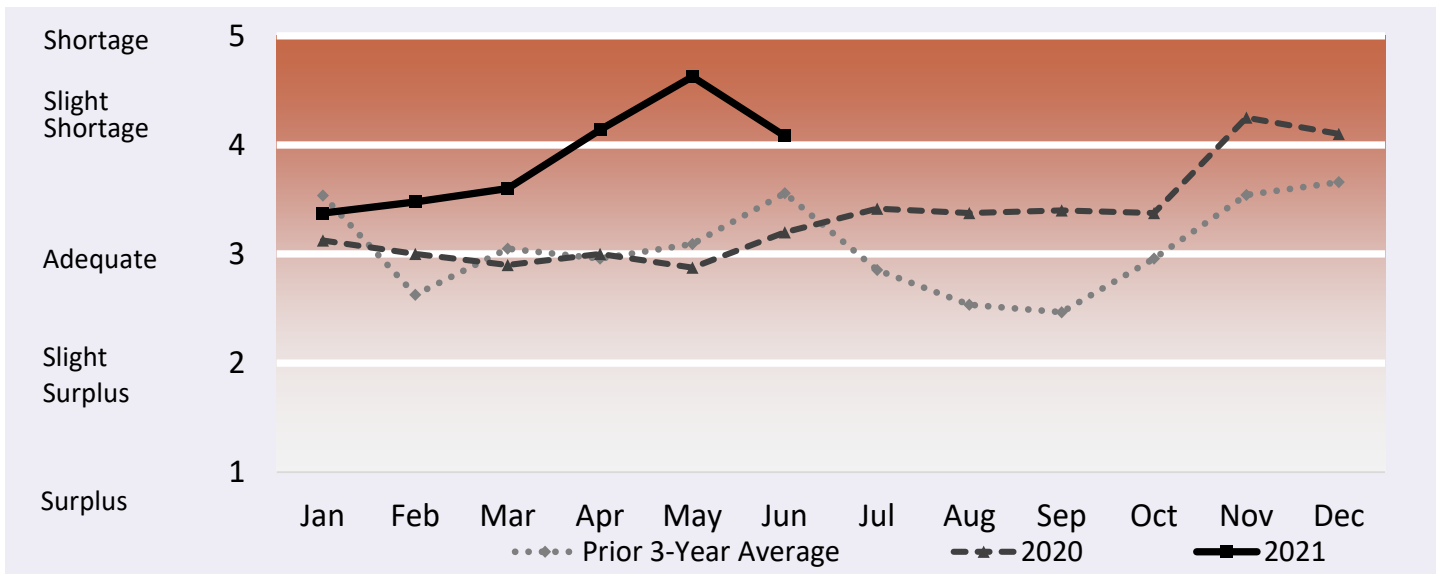
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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 2021 were 3.43 million tons, up 1 percent year to year. The top five commodities shipped from California increased 4 percent from year to year. Four of the top 5 commodities saw year-to-year decreases in the second quarter, including lemons (14 percent), strawberries (9 percent), iceberg lettuce (3 percent), and oranges (2 percent). Shipments of tangerines increased sharply, by 102 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.46 per mile—a 20-percent increase quarter to quarter and a 59-percent increase year to year.

Truck Overview

Diesel fuel prices averaged \$4.03 per gallon—a 10-percent increase quarter to quarter and a 25-percent increase year to year. Throughout the quarter, monthly average truck availability was reported as a slight shortage for all California districts, except for San Joaquin Valley California district, which reported adequate availability in June and the Imperial, Palo Verde and Coachella Valleys, California and Central and Western Arizona district which reported adequate availability in April and a slight shortage in June.

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

Commodity	2nd Quarter 2021	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Oranges	650	19%	743	662	-13%	-2%
Strawberries	353	10%	58	387	510%	-9%
Tangerines	324	9%	437	161	-26%	102%
Lettuce, Iceberg	297	9%	52	305	476%	-3%
Lemons	262	8%	286	304	-8%	-14%
Top 5 Total	1,887	55%	1,575	1,819	20%	4%
California Total	3,426	100%	2,258	3,388	52%	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.

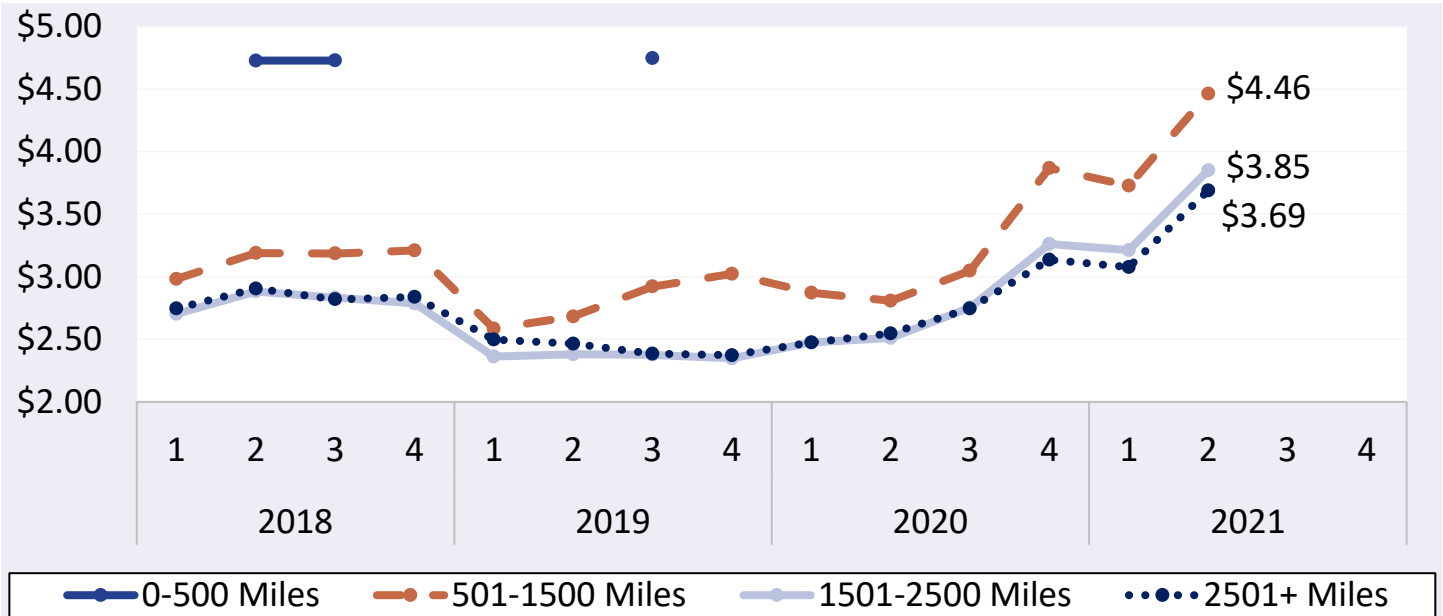
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	3.5	-	4	3.75
Kern District California	4.25	4.5	4	4.25
Oxnard District California	4.25	4.5	4	4.25
Salinas-Watsonville California	4.25	4.5	4	4.25
San Joaquin Valley California	-	-	3.6	3.6
Santa Maria California	4.25	4.5	4	4.25
South District California	3.72	4.53	4	4.08
Regional Average Availability	4.04	4.51	3.94	4.16
Diesel Fuel Price (\$/gallon)	3.98	4.02	4.10	4.03

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

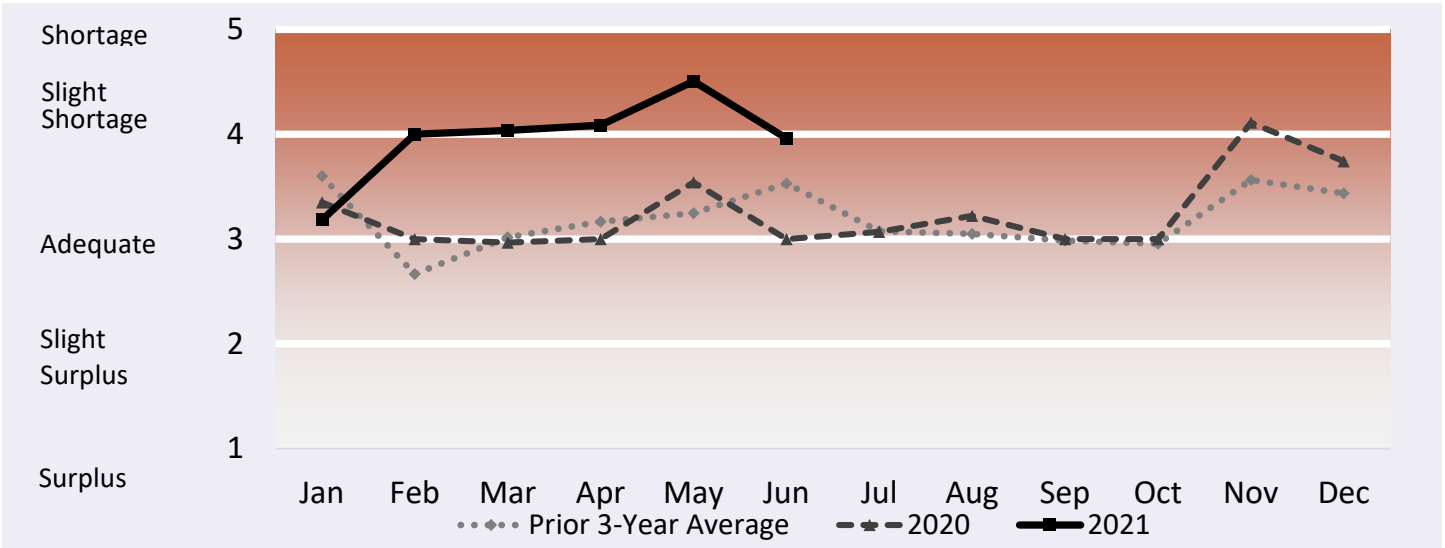
Any "-" in the table indicates no reported shipments during the quarter.

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.



Pacific Northwest

Volume

During second quarter 2021, total reported shipments of fruits and vegetables from PNW were 1.5 million tons, decreasing 1 percent year to year. The sum of the top five commodities shipped from PNW also decreased 1 percent year to year. Except for dry onions (35-percent increase), the rest of the top five commodities saw year-to-year decreases this quarter: cherries (18 percent), pears (11 percent), potatoes (6 percent), and apples (3 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.54 per mile, increasing 5 percent quarter to quarter and 28 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.36 per gallon, with an increase of 12 percent quarter to quarter and a 29-percent increase year to year. Monthly average truck availability was reported as a slight shortage for each district throughout the quarter, except for Idaho and Malheur County, OR, which didn't report in June.

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

Commodity	2nd Quarter 2021	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	667	44%	709	685	-6%	-3%
Potatoes	481	32%	513	511	-6%	-6%
Onions Dry	208	14%	431	154	-52%	35%
Cherries	75	5%	-	92	-	-18%
Pears	62	4%	133	70	-53%	-11%
Top 5 Total	1,494	99%	1,785	1,512	-16%	-1%
PNW Total	1,504	100%	1,785	1,523	-16%	-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.

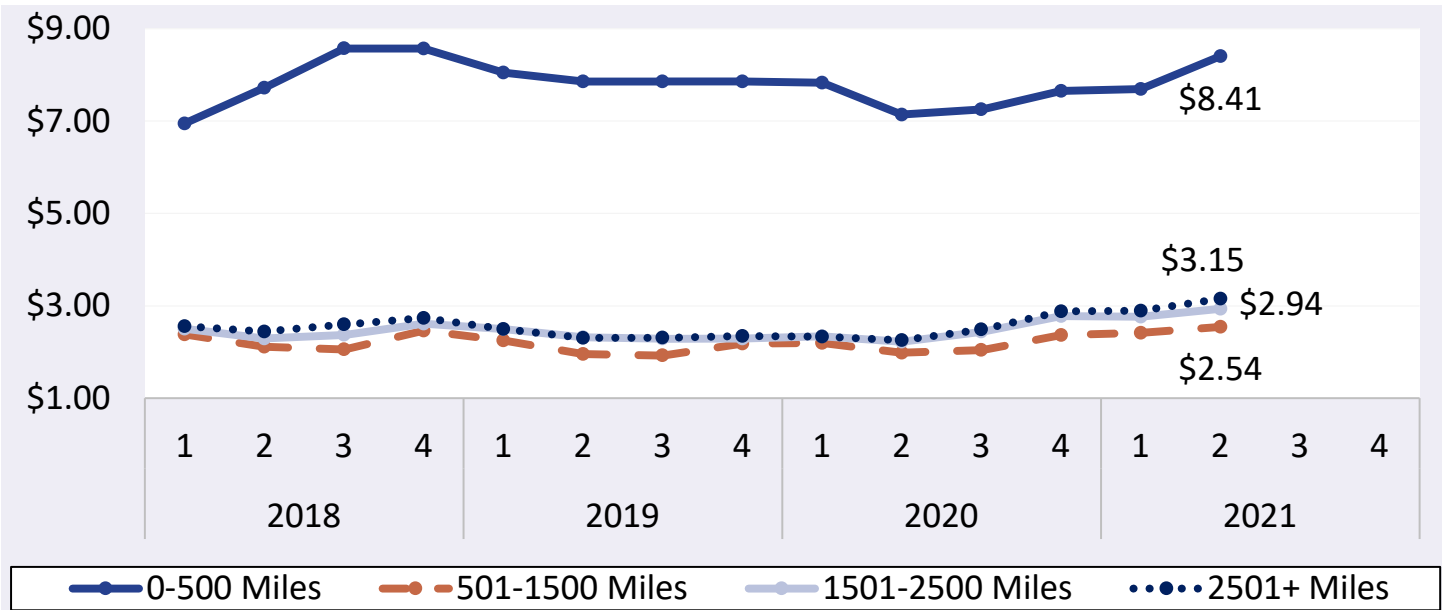
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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	4	4	4	4
Idaho And Malheur County, Oregon	4	4	-	4
Upper Valley, Twin Falls-Burley District Idaho	4	4	4	4
Yakima Valley & Wenatchee District Washington	3.75	4	3.8	3.85
Regional Average Availability	3.94	4	3.93	3.96
Diesel Fuel Price (\$/gallon)	3.25	3.36	3.47	3.36

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.

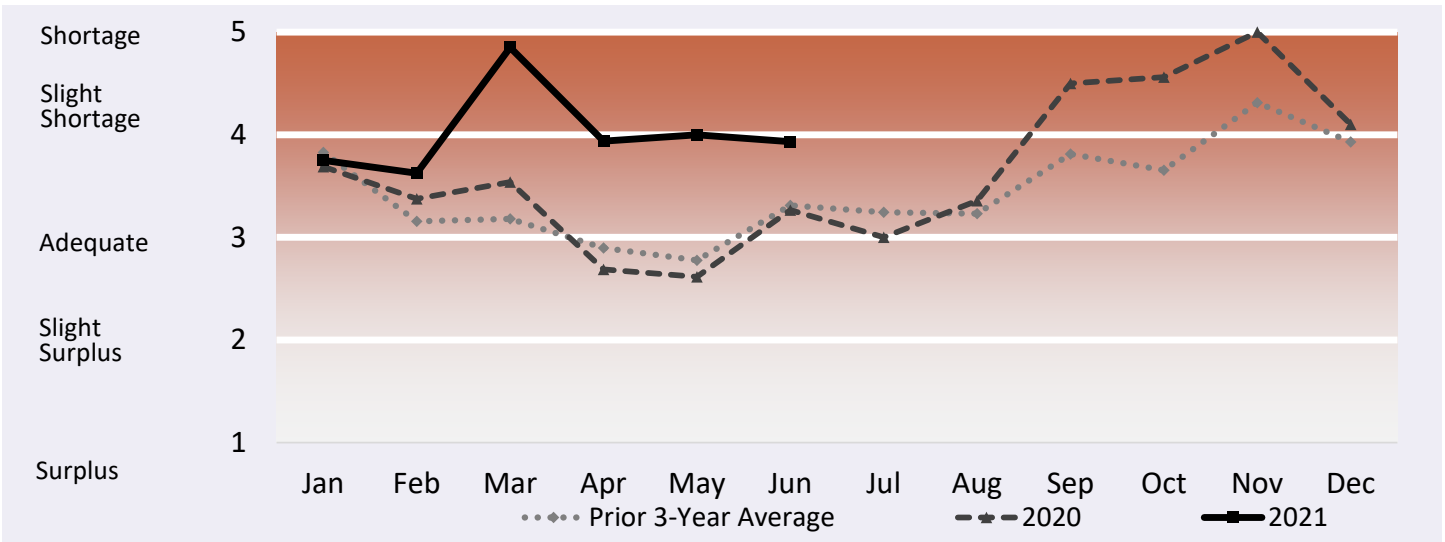
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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

Total reported shipments of fruits and vegetables from Florida in second quarter 2021 were 1.05 million tons, up 11 percent year to year. The sum of the top five commodities shipped from Florida increased 8 percent year to year. All of the top five commodities increased year to year: seeded watermelons (42 percent), tomatoes (21 percent), potatoes (17 percent), sweet corn (15 percent), and seedless watermelons (1 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.78 per mile, up 32 percent quarter to quarter and up 66 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.09 per gallon, up 10 percent quarter to quarter, and up 29 percent year to year. For the Florida district, slight truck shortages were reported in April, and shortages were reported in May. For the Central and South Florida district, shortages were reported throughout the quarter. The North and West Florida district reported a shortage in June.

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

Commodity	2nd Quarter 2021	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	456	43%	-	453	-	1%
Corn-Sweet	119	11%	47	103	151%	15%
Tomatoes	106	10%	95	88	11%	21%
Potatoes	83	8%	36	71	127%	17%
Watermelons, Seeded	43	4%	-	30	-	42%
Top 5 Total	806	77%	179	745	350%	8%
Florida Total	1,053	100%	642	950	64%	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.

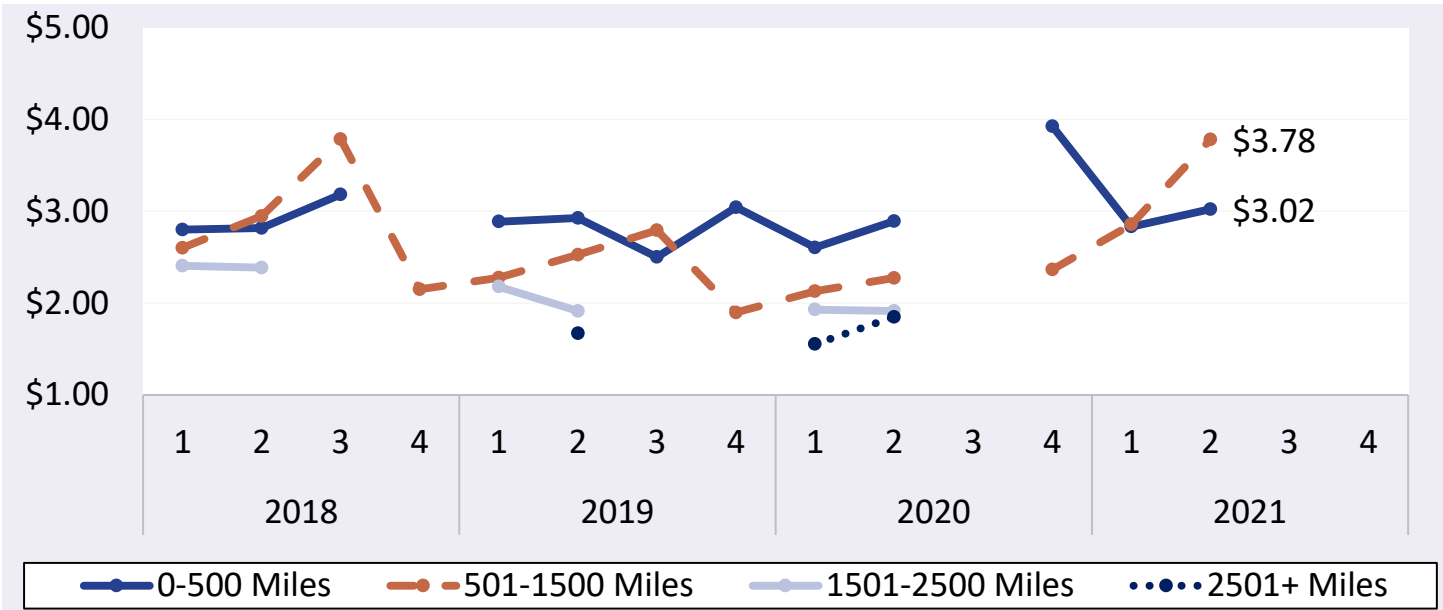
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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 & South Florida	5	5	5	5
Florida	3.75	4.75	-	4.25
North & West Florida	-	-	5	5
Regional Average Availability	4.38	4.88	5	4.75
Diesel Fuel Price (\$/gallon)	3.00	3.09	3.18	3.09

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

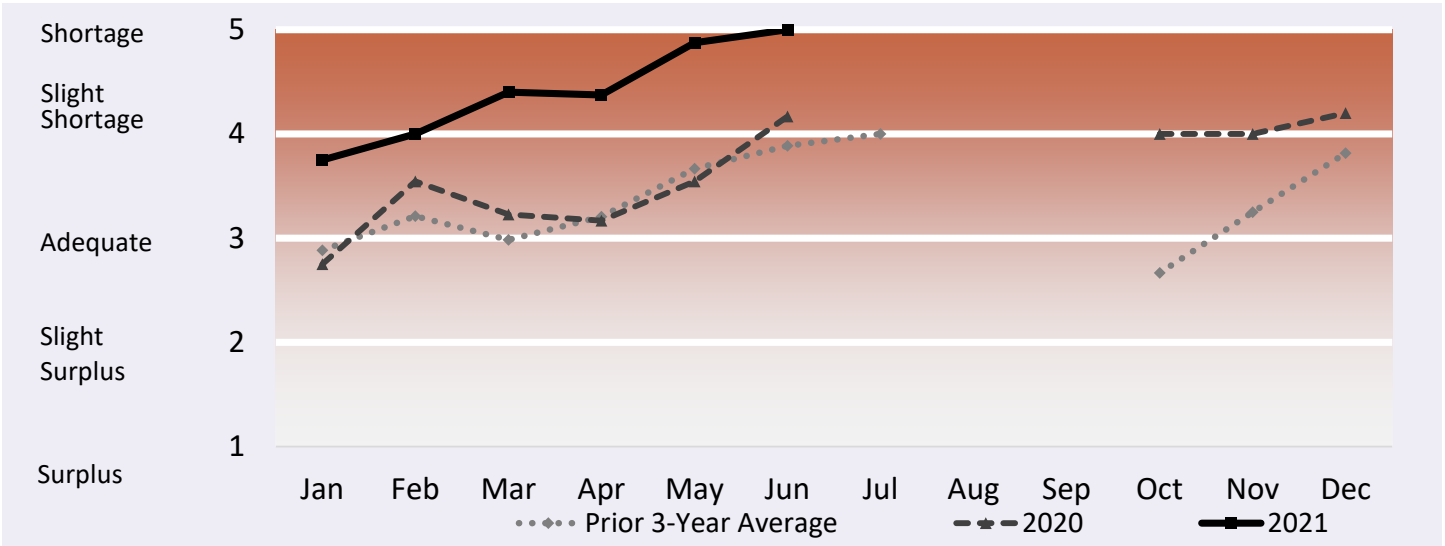
Any "-" in the table indicates no reported shipments during the quarter.

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

During second quarter 2021, total reported shipments of fruits and vegetables from the Southeast were 609,000 tons, down 5 percent year to year. The sum of the top five commodities shipped from the Southeast also fell 4 percent year to year. Three of the top five commodities saw year-to-year increases: blueberries (21 percent), sweet potatoes (12 percent), and onions dry (5 percent). Shipments of sweet corn fell 13 percent and seedless watermelon fell 12 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.54 per mile, up 3 percent quarter to quarter and up 32 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.09 per gallon, up 10 percent quarter to quarter and up 29 percent year to year. Quarterly average truck availability was reported as a shortage in Eastern North Carolina and a slight shortage in Vidalia District Georgia. South Carolina and South Georgia reported shortages in June.

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

Commodity	2nd Quarter 2021	Share of Southeast Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	187	31%	-	213	-	-12%
Onions Dry	81	13%	-	77	-	5%
Sweet Potatoes	74	12%	75	66	-1%	12%
Corn-Sweet	46	8%	-	53	-	-13%
Blueberries	31	5%	-	25	-	21%
Top 5 Total	418	69%	75	435	461%	-4%
Southeast Total	609	100%	119	640	412%	-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.

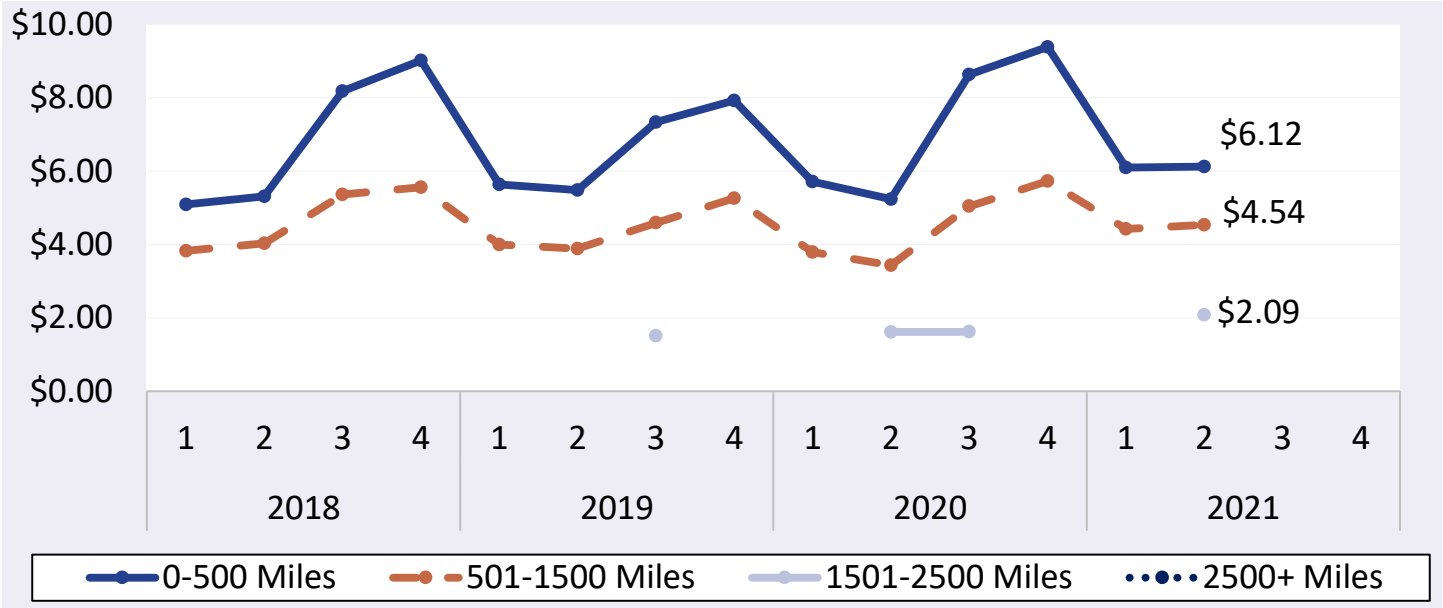
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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	4	5	5	4.67
South Carolina	-	-	5	5
South Georgia	-	-	5	5
Vidalia District Georgia	4	4	4	4
Regional Average Availability	4	4.5	4.75	4.42
Diesel Fuel Price (\$/gallon)	3.00	3.09	3.18	3.09

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.

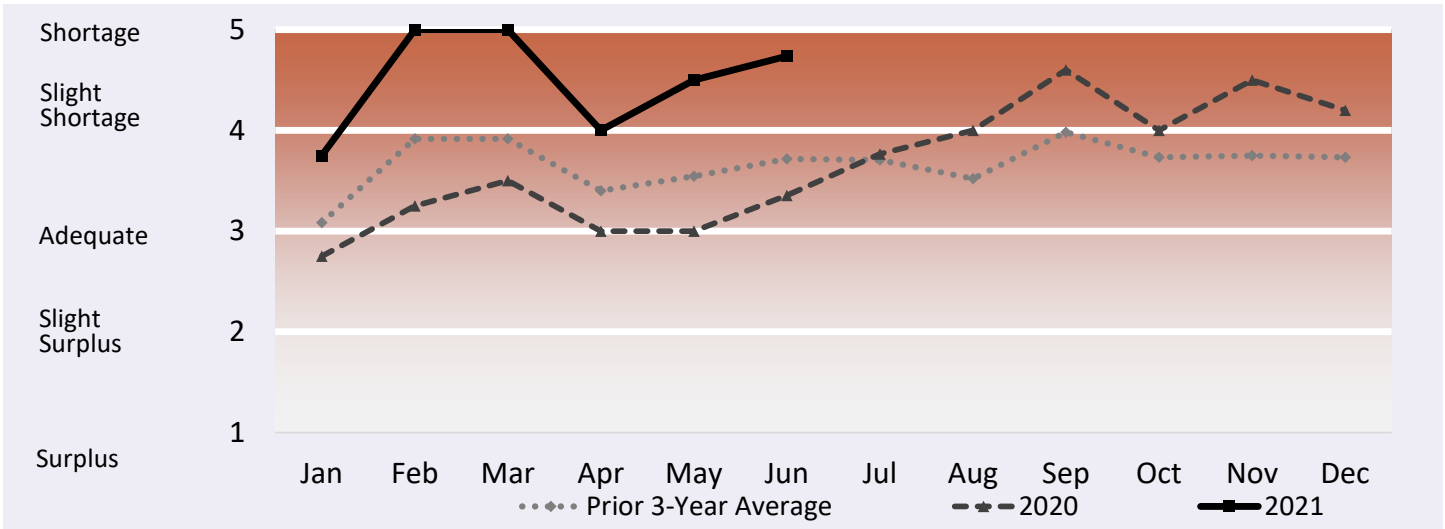
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2021

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 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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