



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 2021 U.S. truck shipments of fresh produce were 10.11 million tons, 12 percent higher than the previous quarter, but unchanged from the same quarter last year.

Also, in the first quarter, shipments from the Mexico border were 3.55 million tons, higher than those from any other reported origin. Shipments from Mexico accounted for 35 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 2.26 million tons, representing 22 percent of the total; shipments from the Pacific Northwest (PNW) were 1.79 million tons, representing 18 percent of the total; movements from Florida were 642,000 tons, representing 6 percent of the reported total; and finally, Arizona shipments were 614,000 tons, representing 6 percent of the total.

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

- ▶ Potatoes (12 percent)
- ▶ Apples (8 percent)
- ▶ Oranges (8 percent)
- ▶ Onions, dry (6 percent)
- ▶ Tangerines (4 percent)

Truck Rates

The table below provides a snapshot of quarterly truck rates for U.S. produce shipments over four mileage categories—1-500; 501-1,500; 1,501-2,500; and 2,501+ miles. Please note the 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 2020	2.73	2.56	2.36	1.60
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
Q1 Change from Previous Quarter	-18%	-1%	-10%	5%
Q1 Change from Same Quarter Last Year	-2%	13%	8%	9%

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

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

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

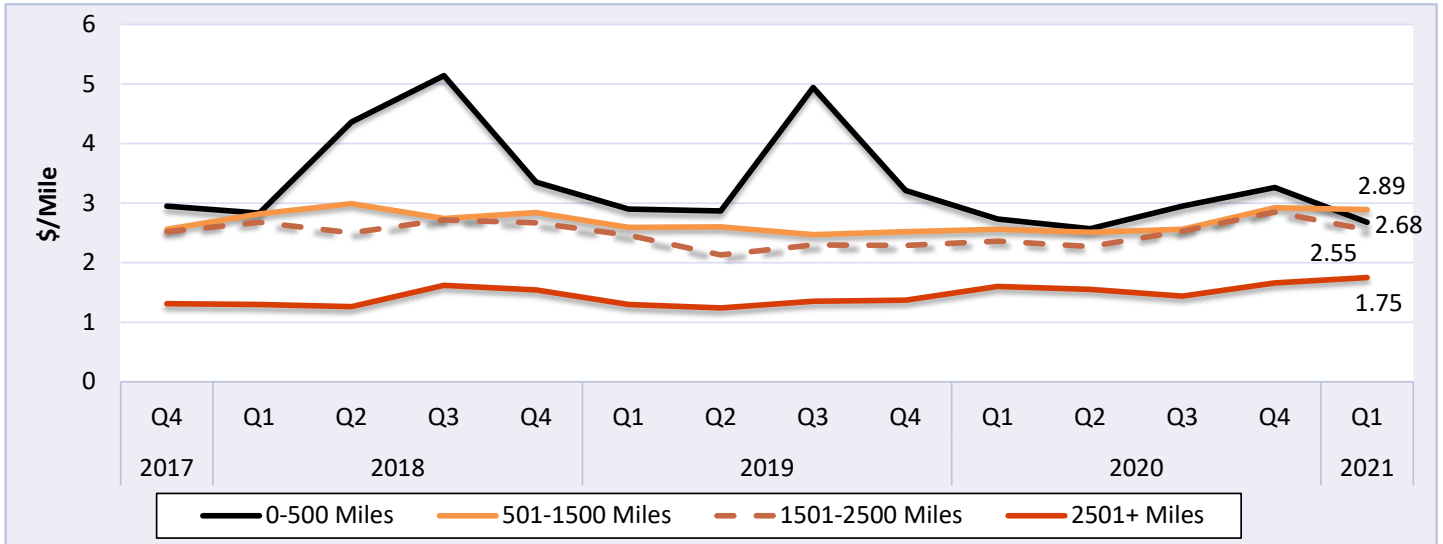
Diesel Fuel

During first quarter 2021, the U.S. diesel fuel price averaged \$2.89 per gallon—up 17 percent from the previous quarter but unchanged 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			
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	1st Quarter, 2021			4th Quarter, 2020		
	January	February	March	October	November	December
Arizona	3.89	3.88	4.18	n/a	n/a	4.09
California	3.50	3.53	4.07	3.24	4.34	3.84
Florida	2.28	2.80	3.16	2.33	2.27	2.53
Great Lakes	3.89	3.80	3.94	3.84	3.93	3.94
Mexico-Arizona	3.04	3.21	3.21	2.47	2.98	2.94
Mexico-Texas	2.93	2.90	2.95	2.66	2.79	3.13
New York	4.77	4.45	4.40	5.05	4.80	4.80
Other	2.52	2.53	2.76	2.52	2.52	2.52
PNW	2.40	2.31	2.50	2.25	2.40	2.43
Southeast	4.42	4.42	4.42	6.85	5.21	4.24
Texas	3.66	3.48	3.34	3.34	3.48	3.86

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 2021 (\$/Mile)

U.S. Origin	Destination								
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia
Arizona	3.38	3.12	3.03	3.03	4.00	n/a	3.21	3.17	3.11
California	3.29	3.09	2.99	3.07	3.81	n/a	3.11	3.11	3.09
Florida	2.84	2.80	3.00	2.31	n/a	n/a	2.71	3.30	2.90
Great Lakes	3.67	4.23	3.85	4.28	3.15	n/a	3.12	4.50	3.97
Mexico-Arizona	3.04	3.18	3.16	2.70	3.43	2.89	2.97	3.19	3.21
Mexico-Texas	3.18	3.14	3.00	2.68	3.37	2.13	2.73	3.17	3.10
New York	5.10	7.34	14.07	5.40	n/a	n/a	3.76	n/a	10.54
Other	3.05	2.40	n/a	2.52	4.00	2.17	2.61	3.12	2.25
PNW	2.81	2.86	2.81	2.78	2.78	2.41	2.75	2.99	2.81
Southeast	6.25	6.82	4.39	4.12	n/a	n/a	3.90	5.29	5.23
Texas	4.27	4.03	3.62	3.75	5.52	2.43	3.01	3.98	3.89

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, 1st Quarter 2021 (\$/Truck)

U.S. Origin	Destination								
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia
Arizona	7,106	8,100	8,796	6,158	5,204	n/a	8,358	8,546	8,238
California	7,239	8,283	8,986	6,359	5,452	n/a	8,575	8,718	8,457
Florida	1,383	2,773	4,055	2,774	n/a	n/a	650	3,737	3,066
Great Lakes	3,766	3,950	4,921	1,523	3,485	n/a	5,640	4,287	3,908
Mexico-Arizona	5,473	7,462	8,523	4,858	3,358	1,619	6,762	7,981	7,712
Mexico-Texas	3,654	5,623	6,609	3,829	1,683	3,400	4,171	6,338	5,888
New York	5,095	2,423	2,392	4,540	n/a	n/a	5,454	n/a	2,423
Other	2,494	4,299	n/a	2,361	2,084	2,018	5,353	4,365	4,143
PNW	6,475	7,004	7,688	4,945	5,066	2,412	8,160	7,625	7,084
Southeast	2,500	2,250	3,250	3,500	n/a	n/a	3,000	2,750	2,250
Texas	3,631	5,636	6,521	3,750	1,656	3,406	4,150	6,325	5,831

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	1st Quarter 2021 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	2.91	15%	-1%
California	3.66	12%	-2%
New England	2.89	12%	-5%
Central Atlantic	3.07	13%	-2%
Lower Atlantic	2.81	18%	< 1%
Gulf Coast	2.66	20%	0%
Midwest	2.85	20%	3%
Rocky Mountain	2.85	16%	-1%
West Coast Except California	3.00	13%	-3%
U.S.	2.89	17%	> -1%

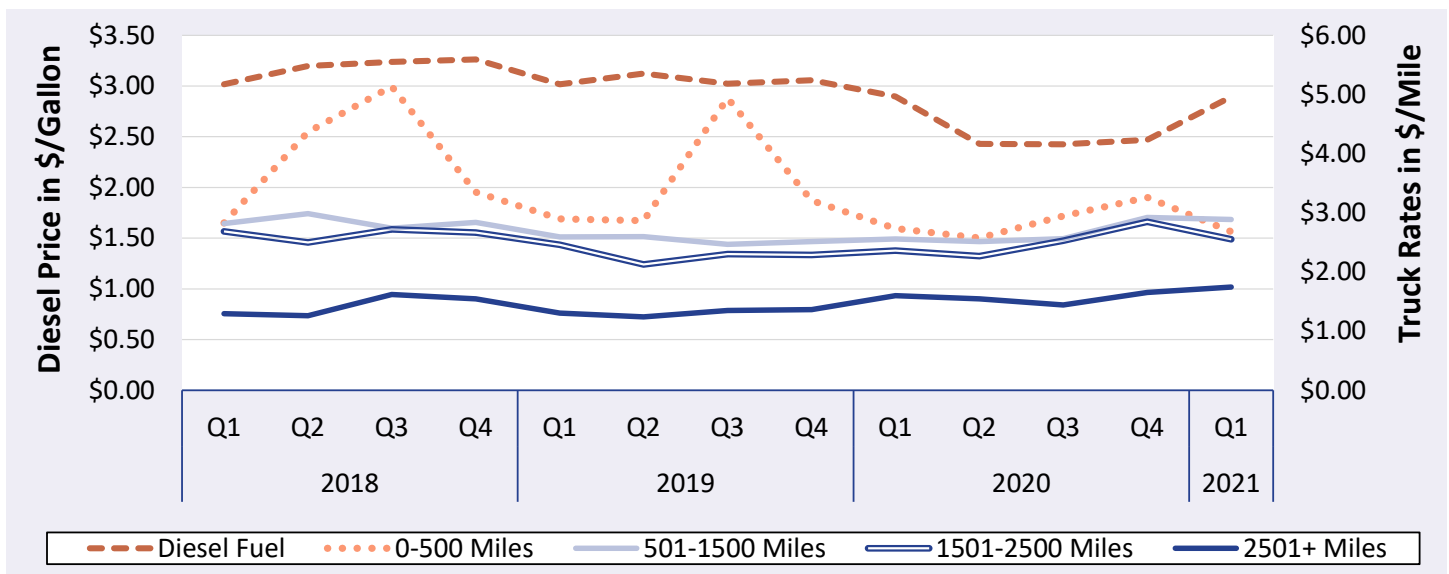
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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	Q1	3.02	2.82	5%	10%	18%	51%
	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%

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														
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona		Lettuce, Leaf Lettuce, Broccoli, Cauliflower, Celery, Peppers	4	3	3	3	3	3	5	5	5	4	3	4	4	
Kern District California		Carrots, Grapes	4	3	3	3	3	3	5	5	5	3	3	4	4	
Oxnard District California		Celery, Strawberries, Cilantro, Cabbage, Romaine, Parsley, Kale	4	3	3	3	3	3	5	5	5	4	3	4	4	
Salinas-Watsonville California		Broccoli, Cauliflower												4	4	
San Joaquin Valley California		Grapes, Apples	3	3												
Santa Maria California		Broccoli, Cauliflower, Celery, Strawberries	4	3	3	3	3	3	5	5	5	4	3	4	4	
South District California		Citrus, Avocados	3	3	3	3	3	3	5	5	5	5	4	4	4	
Florida		Commodities														
Central & South Florida		Vegetables, Berries	4	3	4	4	5	5	3	4	5	5	5	5	5	
Florida		Potatoes								3	3	4	4	4	4	
Great Lakes (MI & WI)		Commodities														
Central Wisconsin		Potatoes, Onions	3	3	3	3	3	3	3	3	3	3	4	4	4	4
Michigan		Apples	3	3	3	3	3	3	3	3	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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

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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	1/5	1/12	1/19	1/26	2/2	2/9	2/16	2/23	3/2	3/9	3/16	3/23	3/30
Columbia Basin Washington		Potatoes, Onions	4	4	4	3	3	3	3	5	5	5	5	5	5
Idaho And Malheur County, Oregon		Onions	4	4	4	3	3	3	3	5	5	5	5	5	5
Upper Valley, Twin Falls-Burley District Idaho		Potatoes	5	5	5	3	3	3	3	5	5	5	5	5	5
Yakima Valley & Wenatchee District Washington		Apples, Pears	3	3	3	3	3	3	5	5	5	5	4	4	4
Southeast (GA, SC, & NC)		Commodities	1/5	1/12	1/19	1/26	2/2	2/9	2/16	2/23	3/2	3/9	3/16	3/23	3/30
Eastern North Carolina		Sweet Potatoes	4	4	3	4	5	5	5	5	5	5	5	5	5
Texas and Oklahoma		Commodities	1/5	1/12	1/19	1/26	2/2	2/9	2/16	2/23	3/2	3/9	3/16	3/23	3/30
Texas		Watermelons, Onions	3	3	3	3	3	3		3	4				
U.S.-Mexico border		Commodities	1/5	1/12	1/19	1/26	2/2	2/9	2/16	2/23	3/2	3/9	3/16	3/23	3/30
Nogales, Arizona		Beans, Corn, Cucumbers, Eggplant, Honeydew, Peppers, Squash, Tomatoes, Watermelon	5	4	3	3	3	3	5	5	5	4	3	3	4
Texas		Limes, Tomatoes, Broccoli, Watermelon, Mixed Fruit and Vegetables, Carrots, Cucumbers, Peppers, Grape, Mangos	3	3	3	3	3	3		3	4	3	3	3	4

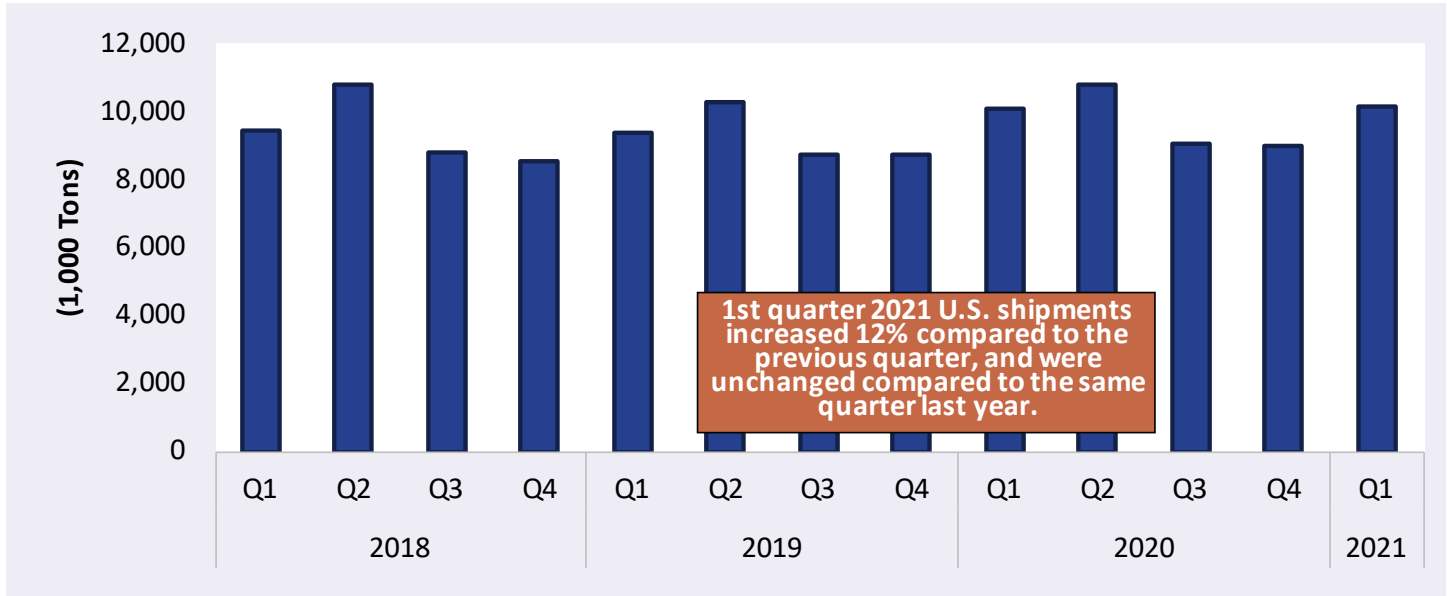
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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				10,113
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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

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Reported Shipments by Selected Commodities

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

Commodity	1st Quarter 2021	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Potatoes	1,185	1,166	1,166	2%	2%
Apples	842	882	936	-5%	-10%
Oranges	816	447	1,024	83%	-20%
Onions Dry	610	582	693	5%	-12%
Tangerines	450	21	390	2062%	15%
Tomatoes	424	607	648	-30%	-35%
Avocados	380	658	623	-42%	-39%
Cucumbers	312	532	526	-41%	-41%
Tomatoes, Plum Type	306	370	500	-17%	-39%
Peppers, Bell Type	297	356	524	-17%	-43%

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 2021 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3554	33%	17%
California	2258	-3%	-7%
PNW	1785	-3%	-6%
Florida	642	110%	-13%
Arizona	614	58%	-20%
Canada	287	60%	100%
Colorado	206	-17%	-5%
Great Lakes	179	-37%	-9%
Southeast	119	-34%	-4%
Texas	115	-14%	-32%

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 first quarter 2021 were 3.55 million tons, a 17-percent increase year to year. The sum of the top five commodities shipped from the US-Mexico border also increased 15 percent year to year. Each of the top five commodities increased, with particularly sharp increases of avocados (25 percent) and tomatoes (17 percent).

Rates

In first quarter 2021, truck rates for shipments between 501 miles and 1,500 miles from the Arizona border crossings averaged \$3.16 per mile. This was up 12 percent from fourth quarter 2020 to first quarter 2021 (quarter to quarter) and up 25 percent from first quarter 2020 to first quarter 2021 (year to year). Rates for shipments between 501 miles and 1,500 miles from the Texas border crossings averaged \$2.93 per mile, up 2 percent quarter to quarter and up 18 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$3.00 per gallon, increasing by 13 percent quarter to quarter, but decreasing by 3 percent year to year. Diesel fuel prices for border crossings from Texas averaged \$2.66 per gallon—up 20-percent quarter to quarter but unchanged year to year. In January, February and March, shippers at the Arizona-Mexico border reported a slight shortage while shippers at the Texas-Mexico border reported adequate availability.

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

Commodity	1st Quarter 2021	Share of Mexico-Total Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Avocados	371	10%	319	298	16%	25%
Tomatoes	289	8%	227	247	28%	17%
Cucumbers	272	8%	237	250	15%	9%
Tomatoes, Plum Type	267	8%	168	229	59%	16%
Peppers, Bell Type	248	7%	132	239	88%	4%
Top 5 Total	1,447	41%	1,082	1,262	34%	15%
Mexico Total	3,554	100%	2,673	3,032	33%	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.



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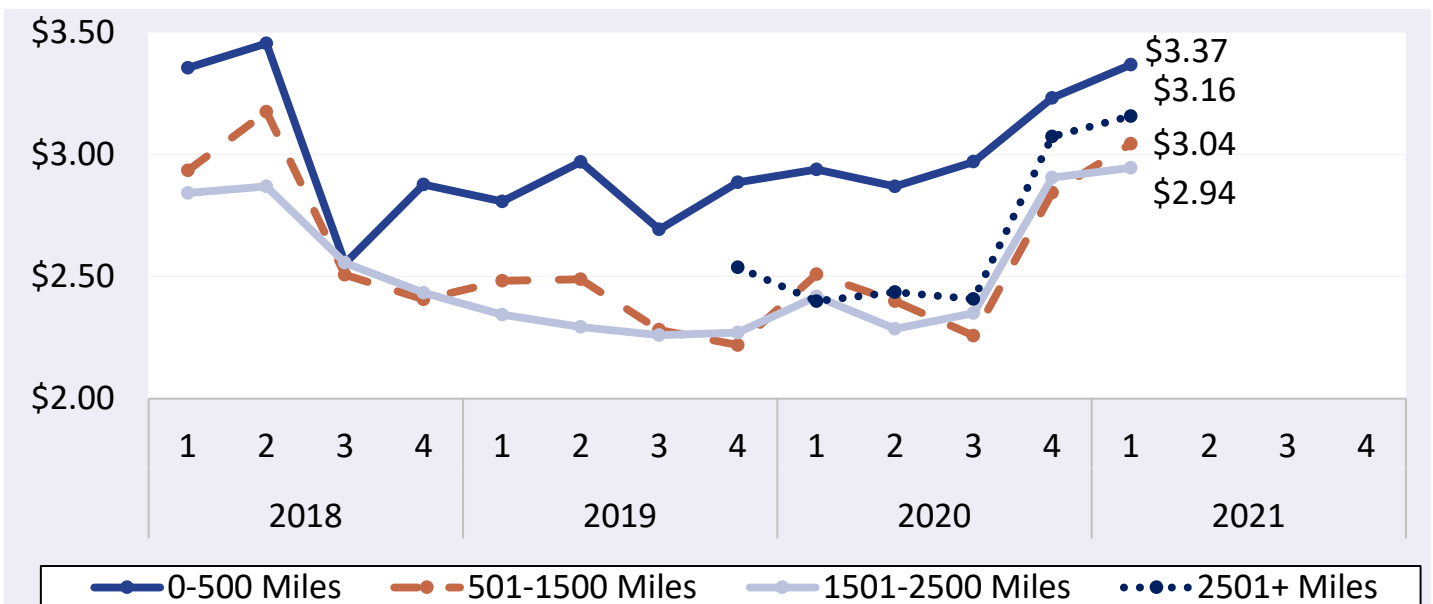
Quarter 1, 2021

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 2021	Commodity	1st Quarter 2021	Commodity	1st Quarter 2021	Commodity	1st Quarter 2021
Avocados	363	Lettuce-Other	87	Squash	167	Peppers, Other	20
Tomatoes	189	Asparagus	67	Cucumbers	163	Misc Tropical	< 1
Limes	135	Onions Green	53	Peppers, Bell Type	162		
Cucumbers	98	Strawberries	43	Tomatoes, Plum Type	142		
Tomatoes, Plum Type	87	Misc Tropical	39	Tomatoes	91		
Mexico through TX Total	1,778	Mexico through CA Total	610	Mexico through AZ Total	1,144	Mexico through NM Total	21

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)



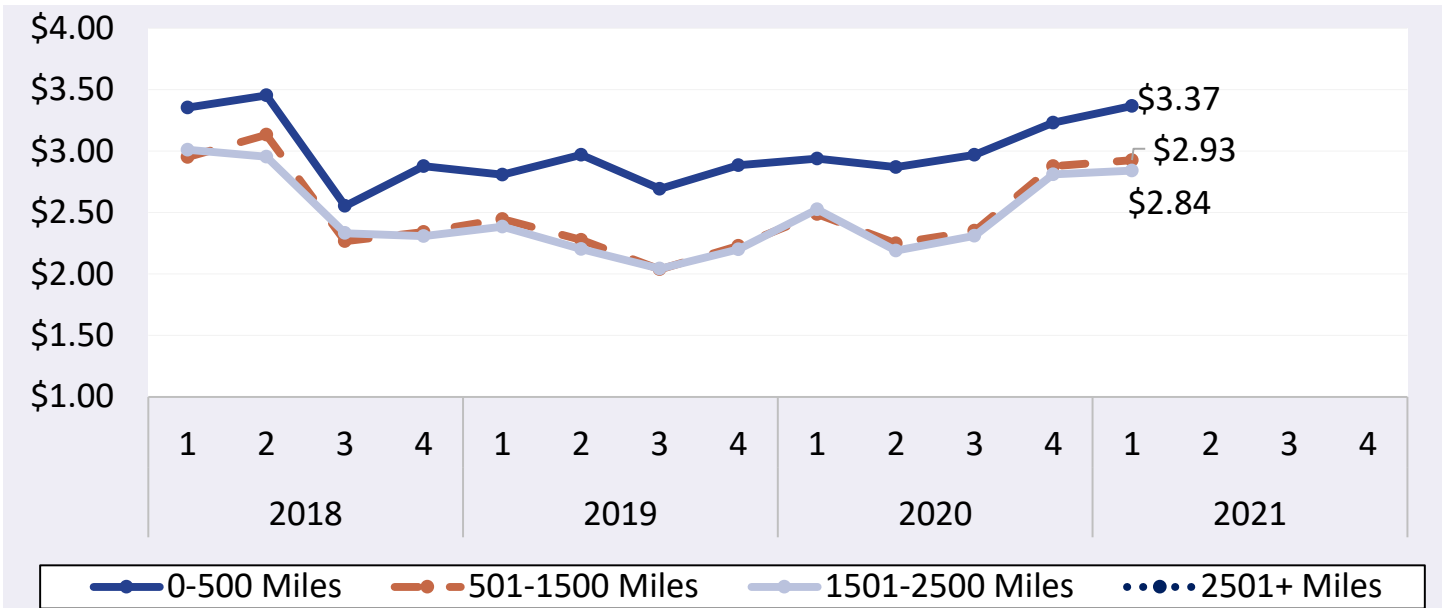
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Any gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

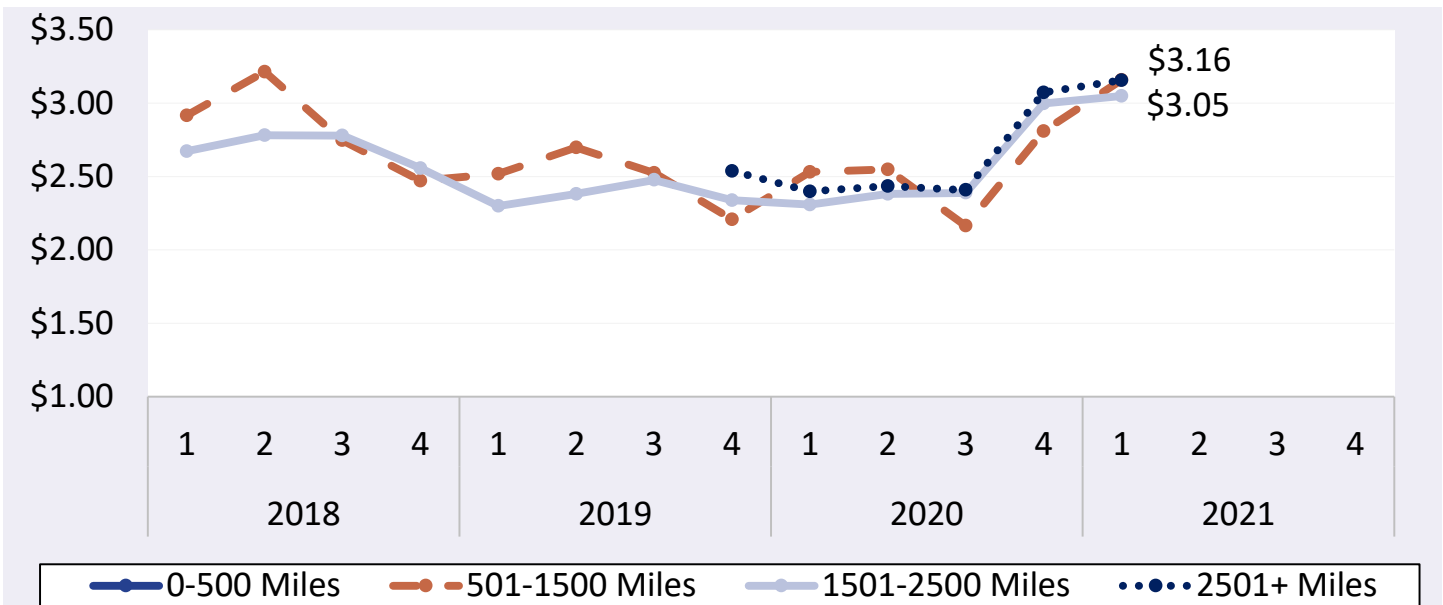
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Figure 6: Texas Truck Rates from U.S.-Mexico Border (\$/Mile by Distance Traveled)



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.



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

Region/Reporting District	January	February	March	1st Quarter
Mexico Crossings Through Nogales, Arizona	3.75	3.83	3.8	3.79
Mexico Crossings Through Texas	3	3	3.40	3.13
Regional Average Availability	3.38	3.42	3.60	3.46
Diesel Fuel Price (\$/gallon), through Texas	2.44	2.60	2.94	2.66
Diesel Fuel Price (\$/gallon), through Arizona	2.80	2.94	3.25	3.00

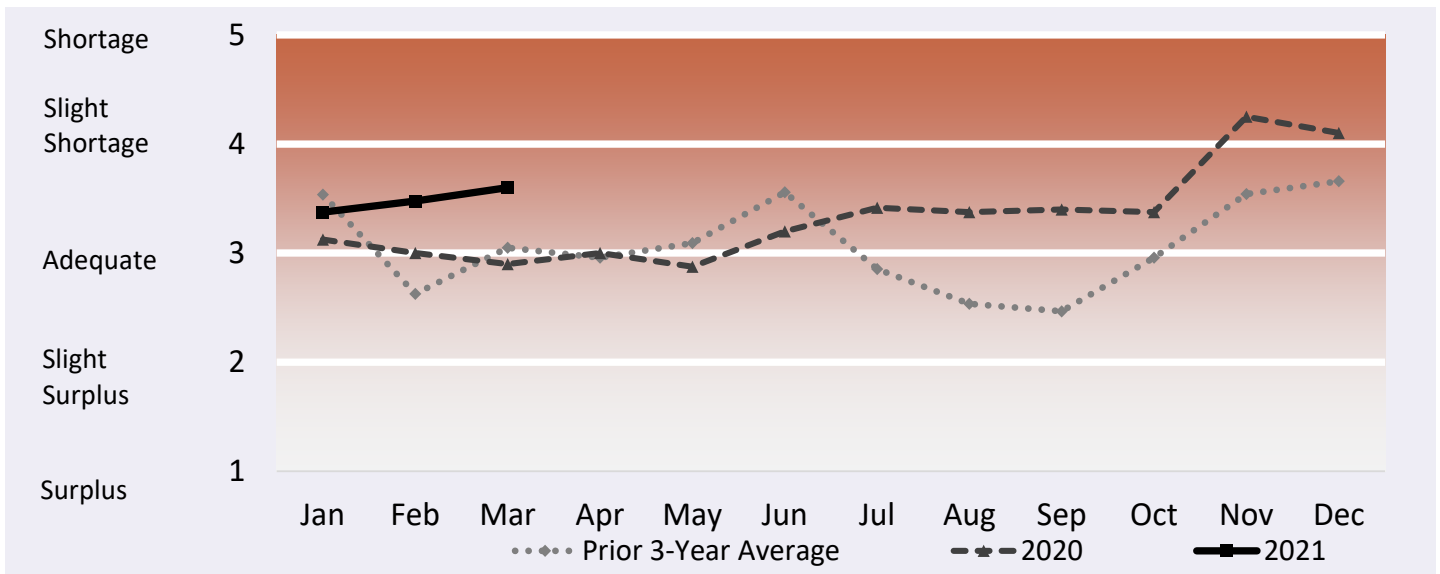
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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

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

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

Figure 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 first quarter 2021 were 2.26 million tons, down 7 percent year to year. The top five commodities shipped from California decreased by 11 percent from year to year. Four of the top 5 commodities saw year-to-year decreases in the first quarter, including oranges (20 percent), lemons (19 percent), carrots (11 percent), and celery (4 percent). Shipments of tangerines increased by 17 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.73 per mile—a 4-percent decrease quarter to quarter and a 30-percent increase year to year.

Truck Overview

Diesel fuel prices averaged \$3.66 per gallon—a 12-percent increase quarter to quarter, but a 2-percent decrease year to year. All districts in California reported adequate truck availability in January and a slight truck shortage in February and March.

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

Commodity	1st Quarter 2021	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Oranges	743	33%	369	927	101%	-20%
Tangerines	437	19%	10	374	4,419%	17%
Lemons	286	13%	179	352	60%	-19%
Celery	136	6%	233	141	-42%	-4%
Carrots	87	4%	84	99	4%	-11%
Top 5 Total	1,689	75%	874	1,892	93%	-11%
California Total	2,258	100%	2,339	2,441	-3%	-7%

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.

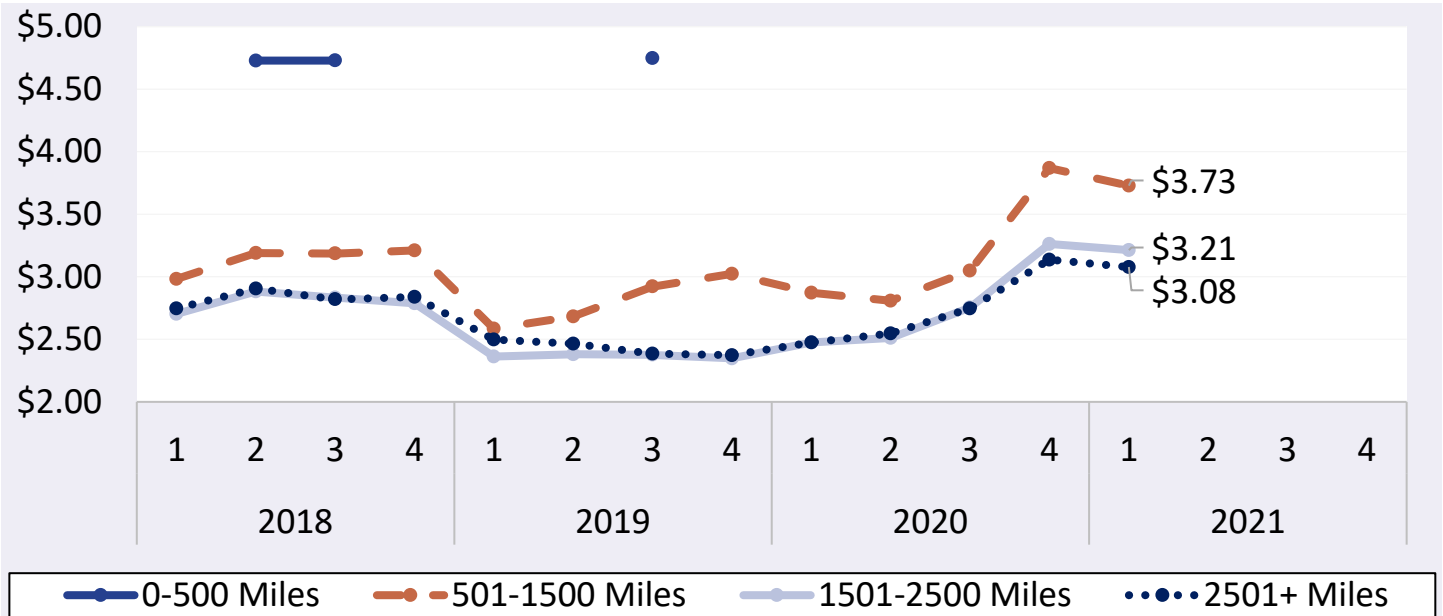
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 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	January	February	March	1st Quarter
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	3.25	4	4	3.75
Kern District California	3.25	4	3.8	3.68
Oxnard District California	3.25	4	4	3.75
Salinas-Watsonville California	-	-	4	4
San Joaquin Valley California	3	-	-	3
Santa Maria California	3.25	4	4	3.75
South District California	3	4	4.4	3.8
Regional Average Availability	3.17	4	4.03	3.73
Diesel Fuel Price (\$/gallon)	3.44	3.61	3.93	3.66

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

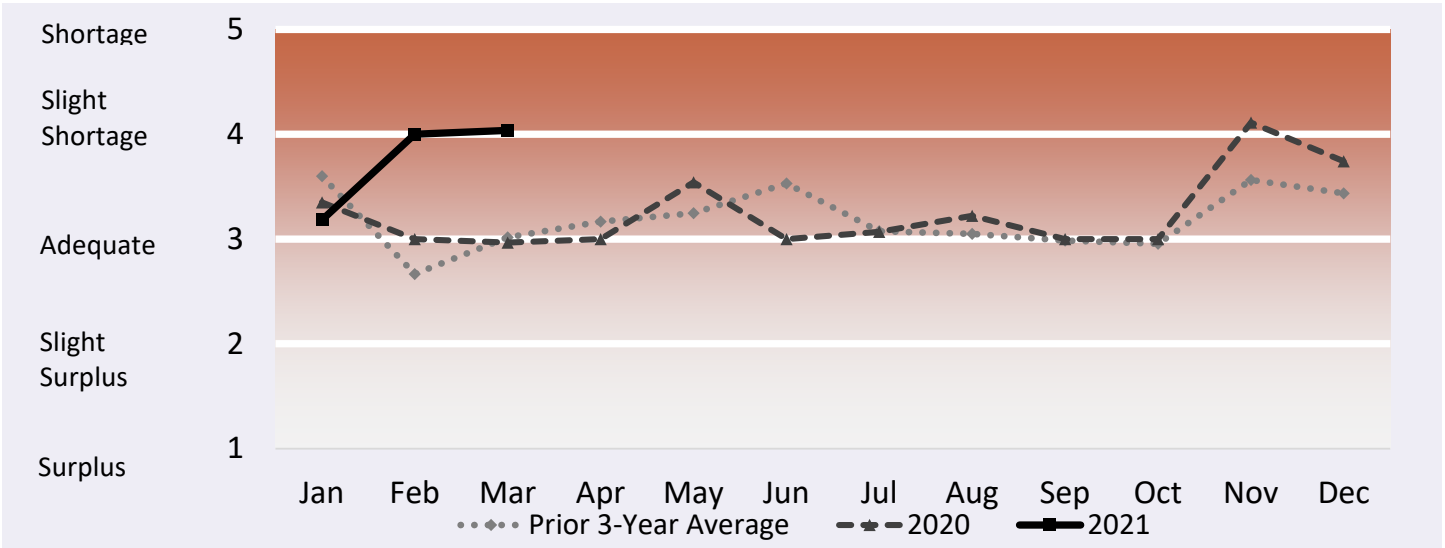
Any "-" in the table indicates no reported shipments during the quarter.

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 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 1, 2021

PNW

Volume

During first quarter 2021, total reported shipments of fruits and vegetables from PNW were 1.79 million tons, decreasing 6 percent year to year. The sum of the top five commodities shipped from PNW also decreased 6 percent year to year. Except for dry onions (1-percent increase), the rest of the top five commodities saw year-to-year decreases this quarter: rhubarb (54 percent), apples (13 percent), pears (3 percent), and potatoes (2 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.41 per mile, increasing 2 percent quarter to quarter and 10 percent year to year

Truck Overview

Diesel fuel prices averaged \$3.00 per gallon, with an increase of 13 percent quarter to quarter but a 3-percent decrease year to year. In January, all districts reported a slight shortage—except the Yakima Valley and Wenatchee District, which reported adequate availability. In February, all districts reported adequate availability, except the Yakima Valley and Wenatchee District, which reported a slight shortage. In March, the Yakima Valley and Wenatchee District reported a slight shortage in truck availability, while all other districts reported a shortage.

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

Commodity	1st Quarter 2021	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	709	40%	714	811	-1%	-13%
Potatoes	513	29%	527	521	-3%	-2%
Onions Dry	431	24%	445	428	-3%	1%
Pears	133	7%	154	137	-13%	-3%
Rhubarb	< 1	< 1%	-	< 1	-	-54%
Top 5 Total	1,785	100%	1,839	1,897	-3%	-6%
PNW Total	1,785	100%	1,841	1,897	-3%	-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.

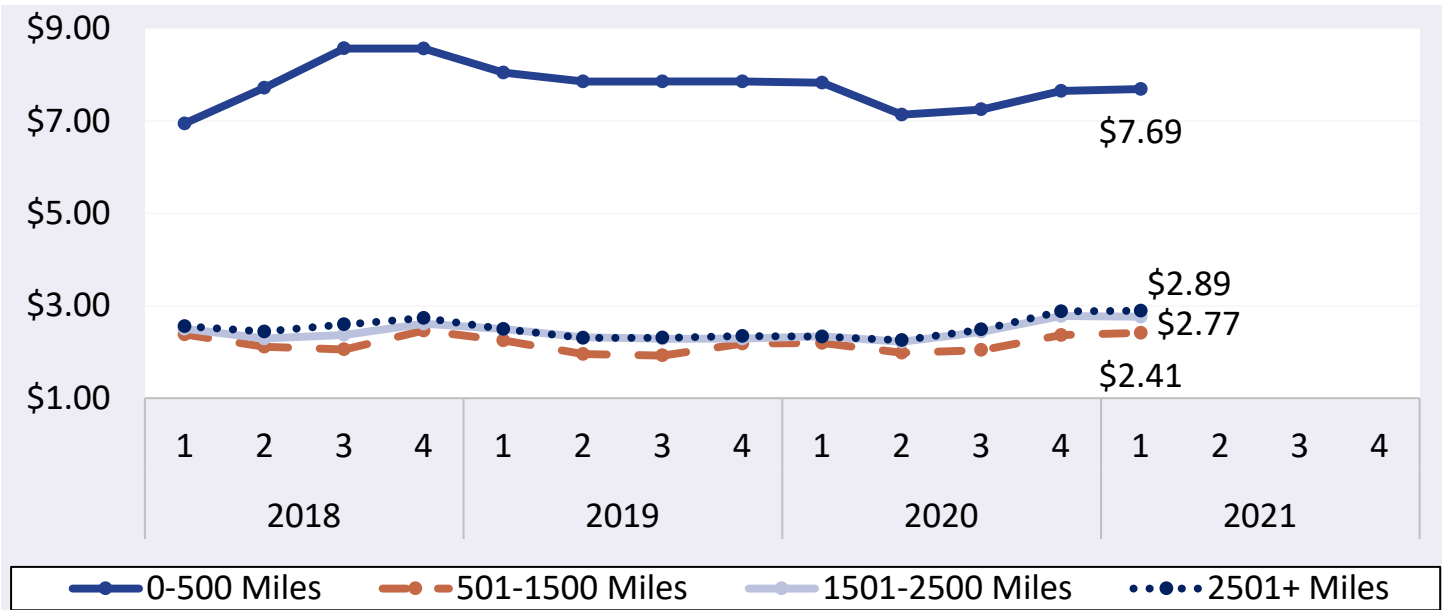
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 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	January	February	March	1st Quarter
Columbia Basin Washington	3.75	3.5	5	4.08
Idaho And Malheur County, Oregon	3.75	3.5	5	4.08
Upper Valley, Twin Falls-Burley District Idaho	4.5	3.5	5	4.33
Yakima Valley & Wenatchee District Washington	3	4	4.4	3.8
Regional Average Availability	3.75	3.63	4.85	4.08
Diesel Fuel Price (\$/gallon)	2.80	2.94	3.25	3.00

Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
Any "-" in the table indicates no reported shipments during the quarter.
Note: Table values may not conform exactly due to rounding.

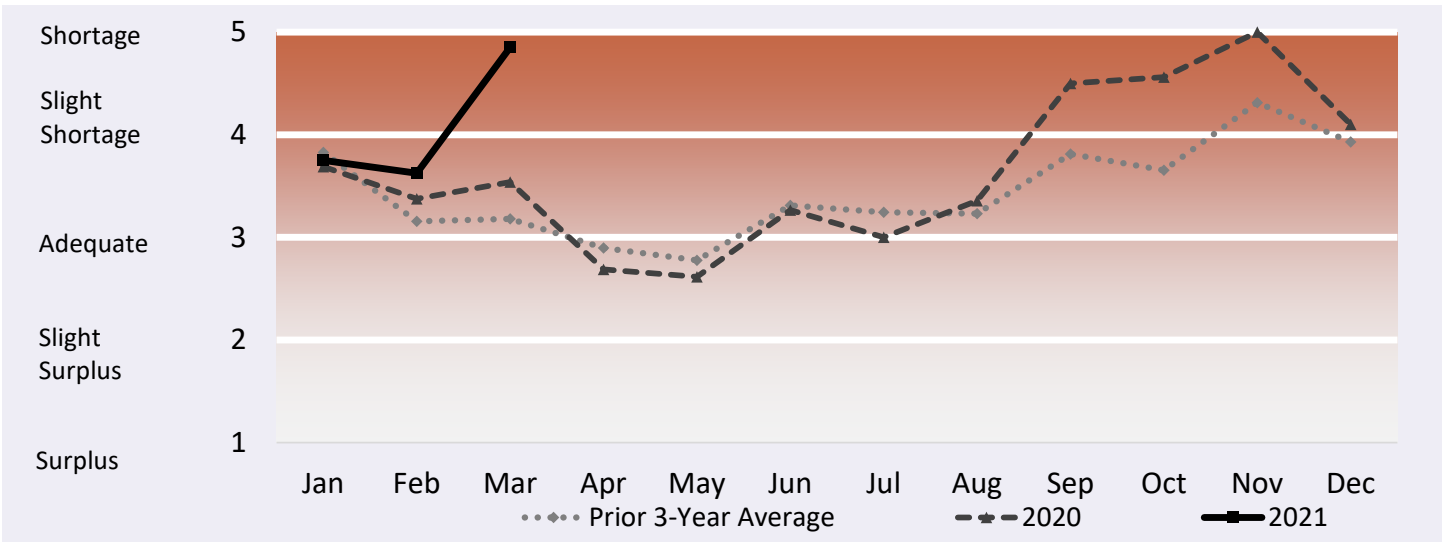
Note: AMS Specialty Crops Program defines regions by commodity, which may overlap in truck availability reporting.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2021

Florida

Volume

Total reported shipments of fruits and vegetables from Florida in first quarter 2021 were 642,000 tons, down 13 percent year to year. The sum of the top five commodities shipped from Florida decreased 15 percent year to year. Of the top five commodities, only cabbage increased (by 4 percent). Shipments of sweet corn fell by 30 percent; tomatoes fell by 26 percent; strawberries fell by 10 percent; and oranges fell by 2 percent.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.86 per mile, up 21 percent quarter to quarter and up 34 percent year to year.

Truck Overview

Diesel fuel prices averaged \$2.81 per gallon, up 18 percent quarter to quarter but unchanged year to year. Across all of Florida, shippers reported adequate availability in February and a slight shortage in March. However, shippers in Central and South Florida reported a slight shortage in January and February, and a shortage in March.

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

Commodity	1st Quarter 2021	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Tomatoes	95	15%	83	129	15%	-26%
Strawberries	94	15%	13	105	648%	-10%
Cabbage	71	11%	5	68	1,372%	4%
Corn-Sweet	47	7%	17	68	173%	-30%
Oranges	46	7%	39	47	19%	-2%
Top 5 Total	354	55%	157	417	126%	-15%
Florida Total	642	100%	305	738	110%	-13%

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.

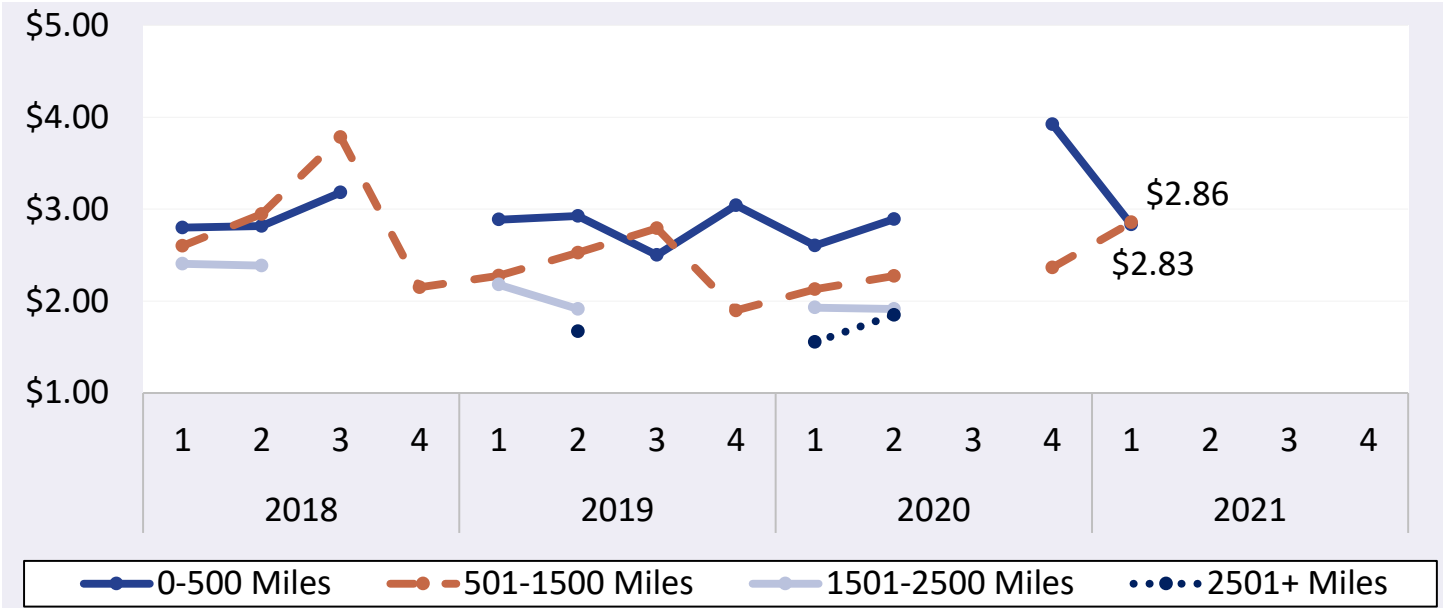
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 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	January	February	March	1st Quarter
Central & South Florida	3.75	4.25	5	4.33
Florida	-	3	3.8	3.4
Regional Average Availability	3.75	3.63	4.4	3.93
Diesel Fuel Price (\$/gallon)	2.60	2.78	3.04	2.81

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

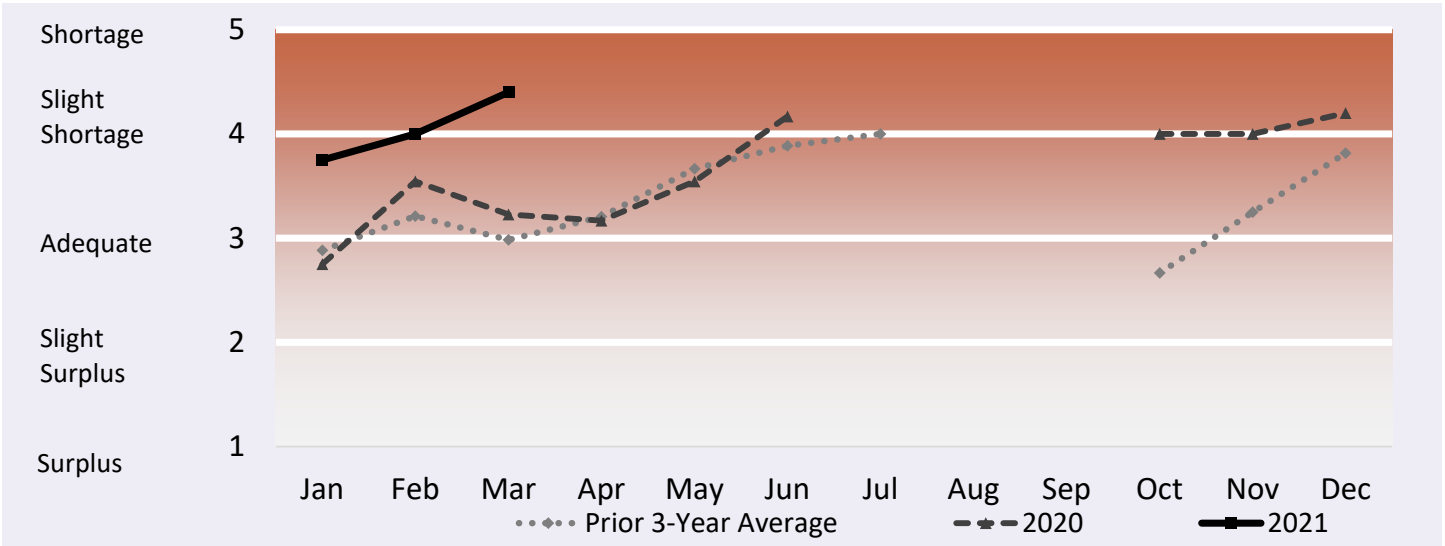
Any "-" in the table indicates no reported shipments during the quarter.

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.



Arizona

Volume

During first quarter 2021, total reported shipments of fruits and vegetables from Arizona were 614,000 tons, down 20 percent year to year. The sum of the top five commodities shipped from Arizona also fell 22 percent year to year. Except for broccoli (6-percent increase) the rest of the top five commodities saw year-to-year decreases this quarter: processed lettuce (-58 percent), romaine lettuce (-16 percent), celery (-10 percent), and iceberg lettuce (-4 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$4.00 per mile, down 2 percent quarter to quarter and up 42 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.00 per gallon, up 13 percent quarter to quarter, but down 3 percent year to year. Imperial Palo Verde And Coachella Valleys reported adequate truck availability in January and a slight shortage in February and March.

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

Commodity	1st Quarter 2021	Share of Arizona Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Lettuce, Iceberg	189	31%	103	197	83%	-4%
Lettuce, Romaine	179	29%	105	213	71%	-16%
Lettuce, Processed	69	11%	65	166	7%	-58%
Celery	37	6%	-	41	-	-10%
Broccoli	31	5%	13	29	130%	6%
Top 5 Total	506	82%	286	646	77%	-22%
Arizona Total	614	100%	388	767	58%	-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.

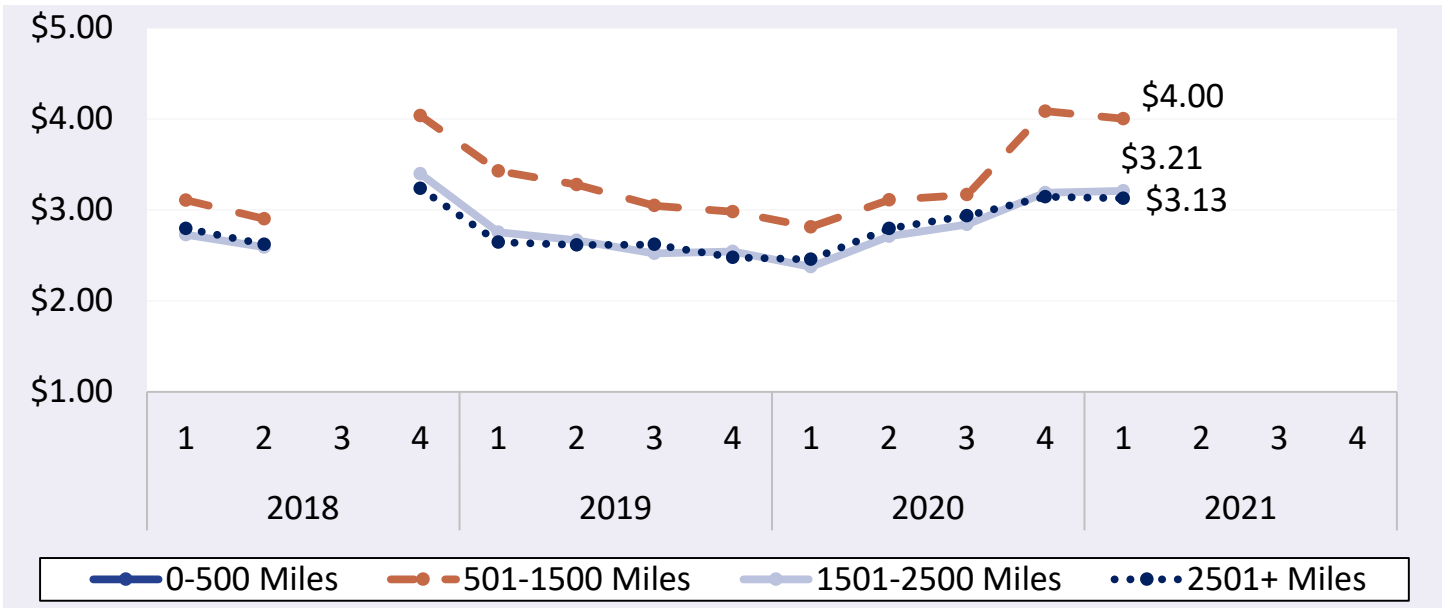
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 1, 2021

Figure 15: 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 21: Arizona Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	January	February	March	1st Quarter
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	3.25	4	4	3.75
Regional Average Availability	3.25	4	4	3.75
Diesel Fuel Price (\$/gallon)	2.80	2.94	3.25	3.00

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

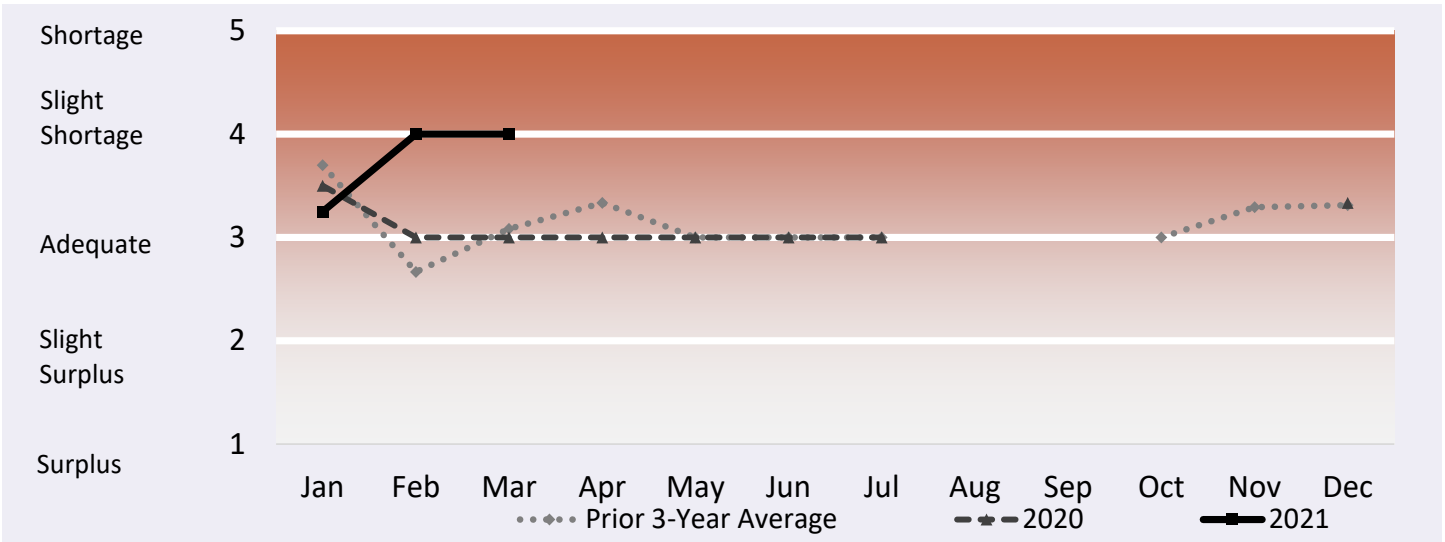
Any "-" in the table indicates no reported shipments during the quarter.

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

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



Figure 16: Refrigerated Truck Availability Monthly Ratings for 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.



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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