



Agricultural Refrigerated Truck Quarterly

a quarterly publication of the Agricultural Marketing Service

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QUARTERLY OVERVIEW

Fruit and Vegetable Shipments

During fourth quarter 2019, reported U.S. truck shipments of fresh produce were 8.73 million tons, 1 percent higher than the previous quarter and 3 percent higher than the same quarter last year.

Also, in the fourth quarter, shipments from California were higher than those from any other origin, totaling 2.44 million tons and accounting for 28 percent of the total reported shipments of fresh fruits and vegetables. Shipments from the Mexico border totaled 2.35 million tons, representing 27 percent of the total. Movements from the Pacific Northwest totaled 1.87 million tons, representing 21 percent of the reported total.

These top five commodities accounted for 38 percent of the reported truck movements during fourth quarter 2019:

- ▶ Potatoes (12 percent)
- ▶ Apples (10 percent)
- ▶ Onions, dry (6 percent)
- ▶ Oranges (6 percent)
- ▶ Grapes (4 percent)

Truck Rates

The table below provides a snapshot of quarterly truck rates for U.S. produce shipments over four mileage categories—0-500; 501-1,500; 1,501-2,500; and 2,500+ 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 1500 miles (\$/Mile)

	0-500 miles	501-1,500 miles	1,501-2,500 miles	2,501+ miles
Q4 2018	3.35	2.84	2.67	1.54
Q1 2019	2.90	2.59	2.46	1.30
Q2 2019	2.87	2.60	2.13	1.24
Q3 2019	4.94	2.47	2.30	1.35
Q4 2019	3.21	2.52	2.29	1.36
Q4 Change from Previous Quarter	-35%	2%	-1%	1%
Q4 Change from Same Quarter Last Year	-4%	-11%	-14%	-12%

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

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

Diesel Fuel

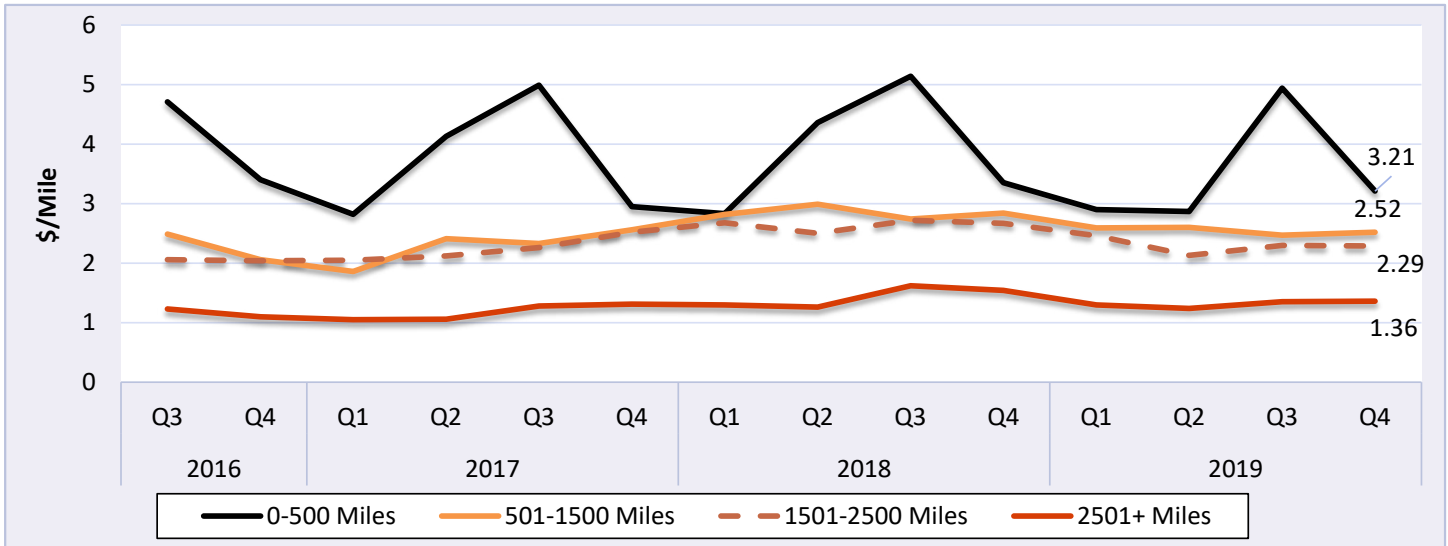
During fourth quarter 2019, the U.S. diesel fuel price averaged \$3.06 per gallon—1 percent higher than the previous quarter but 6 percent lower than the same quarter last year.



NATIONAL SUMMARY

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

Table 1: Average U.S. Truck Rates for Selected Routes between 501 and 1500 miles (\$/Mile)

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Annual
2019	2.59	2.60	2.47	2.52	2.54
2018	2.82	2.99	2.74	2.84	2.85
2017	1.86	2.41	2.33	2.56	2.29
2016	2.22	2.37	2.49	2.06	2.28
2015	2.47	2.63	2.59	2.36	2.51
2014	2.32	2.67	2.64	2.49	2.53
2013	2.24	2.60	2.62	2.27	2.43
2012	2.10	2.54	2.45	2.29	2.35
2011	2.02	2.60	2.77	2.26	2.41
2010	1.82	2.21	2.33	1.94	2.08
2009	1.85	1.99	2.02	1.86	1.93
2008	2.02	2.56	2.77	2.24	2.40
2007	1.89	2.23	2.25	2.03	2.10

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

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



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Table 2: Quarterly Rates for Key Origins by Month; 501-1500 miles (\$/Mile)

Origin	4th Quarter, 2019			3rd Quarter, 2019		
	October	November	December	July	August	September
Arizona	n/a	3.30	2.85	3.05	n/a	n/a
Arizona-Mexico	1.89	2.14	2.43	2.52	n/a	n/a
California	2.93	3.05	3.07	2.97	2.95	2.81
Florida	1.81	1.66	2.29	2.79	n/a	n/a
Great Lakes	3.55	3.47	3.48	3.40	3.48	3.60
New York	2.05	2.05	2.91	2.76	n/a	2.05
Other	2.25	2.50	2.66	2.44	2.37	2.28
PNW	2.04	2.18	2.31	1.90	1.87	1.98
Southeast	6.66	3.91	3.89	4.02	4.83	5.55
Texas	n/a	n/a	n/a	2.18	2.20	2.18
Texas-Mexico	2.01	2.08	2.56	2.05	2.07	2.00

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

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

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

Truck Rates for Selected Routes

Table 3: Origin-Destination Truck Rates for Selected Routes, 4th Quarter 2019 (\$/Mile)

U.S. Origin	Destination									
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	2.55	2.53	2.49	2.45	2.98	n/a	2.58	2.53	2.52	n/a
Arizona-Mexico	2.46	2.47	2.54	2.11	2.39	2.07	2.59	2.29	2.34	n/a
California	2.38	2.38	2.35	2.31	2.47	n/a	2.38	2.41	2.36	3.27
Florida	2.56	1.89	1.90	1.62	n/a	n/a	n/a	2.04	1.89	n/a
Great Lakes	3.33	3.88	3.24	4.26	2.77	n/a	2.79	3.93	3.65	n/a
New York	2.40	5.05	10.78	n/a	n/a	n/a	2.38	11.67	6.96	n/a
Other	3.03	2.80	2.73	2.16	3.40	1.97	2.24	2.72	2.63	n/a
PNW	2.35	2.35	2.26	2.30	2.25	2.18	2.29	2.36	2.32	7.86
Southeast	6.25	9.25	5.48	3.53	n/a	n/a	4.61	6.96	7.83	n/a
Texas-Mexico	2.31	2.36	2.31	2.15	2.89	1.72	2.22	2.40	2.30	2.11

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 4, 2019

Table 4: Origin-Destination Truck Rates for Selected Routes, 4th Quarter 2019 (\$/Truck)

U.S. Origin	Destination									
	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
Arizona	4,879	6,321	7,043	4,579	3,650	n/a	6,600	6,396	6,213	n/a
Arizona-Mexico	4,435	5,807	6,850	3,800	2,345	1,158	5,883	5,723	5,605	n/a
California	5,351	6,507	7,201	4,877	3,717	n/a	6,769	6,850	6,584	3,312
Florida	959	1,881	2,644	1,736	n/a	n/a	n/a	2,394	2,063	n/a
Great Lakes	3,317	3,523	4,270	1,401	3,073	n/a	4,982	3,919	3,475	n/a
New York	2,400	1,667	1,833	n/a	n/a	n/a	3,450	1,750	1,600	n/a
Other	2,013	3,600	3,572	2,024	1,787	1,828	4,587	3,700	3,558	n/a
PNW	5,408	5,737	6,187	4,078	4,082	2,156	6,512	5,986	5,802	1,100
Southeast	2,500	3,053	4,053	3,000	n/a	n/a	3,553	3,618	3,368	n/a
Texas-Mexico	2,654	4,218	5,079	3,079	1,443	2,750	3,393	4,804	4,371	5,071

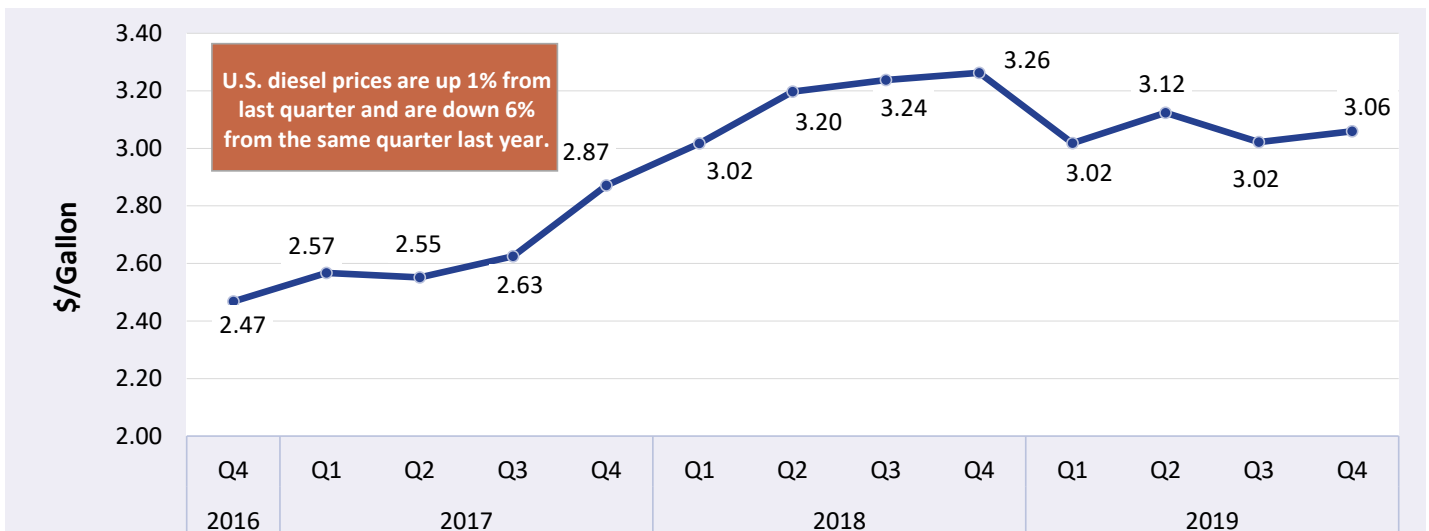
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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 4, 2019

Table 5: Average Diesel Fuel Prices (All Types)

Region	4th Quarter 2019 Price \$/Gallon	Change From Last Quarter	Change From Same Quarter Last Year
East Coast	3.05	0%	-7%
California	3.96	1%	-1%
New England	3.06	-1%	-8%
Central Atlantic	3.24	1%	-6%
Lower Atlantic	2.92	0%	-7%
Gulf Coast	2.79	0%	-8%
Midwest	2.97	1%	-7%
Rocky Mountain	3.14	6%	-5%
West Coast Except California	3.33	5%	-4%
U.S.	3.06	1%	-6%

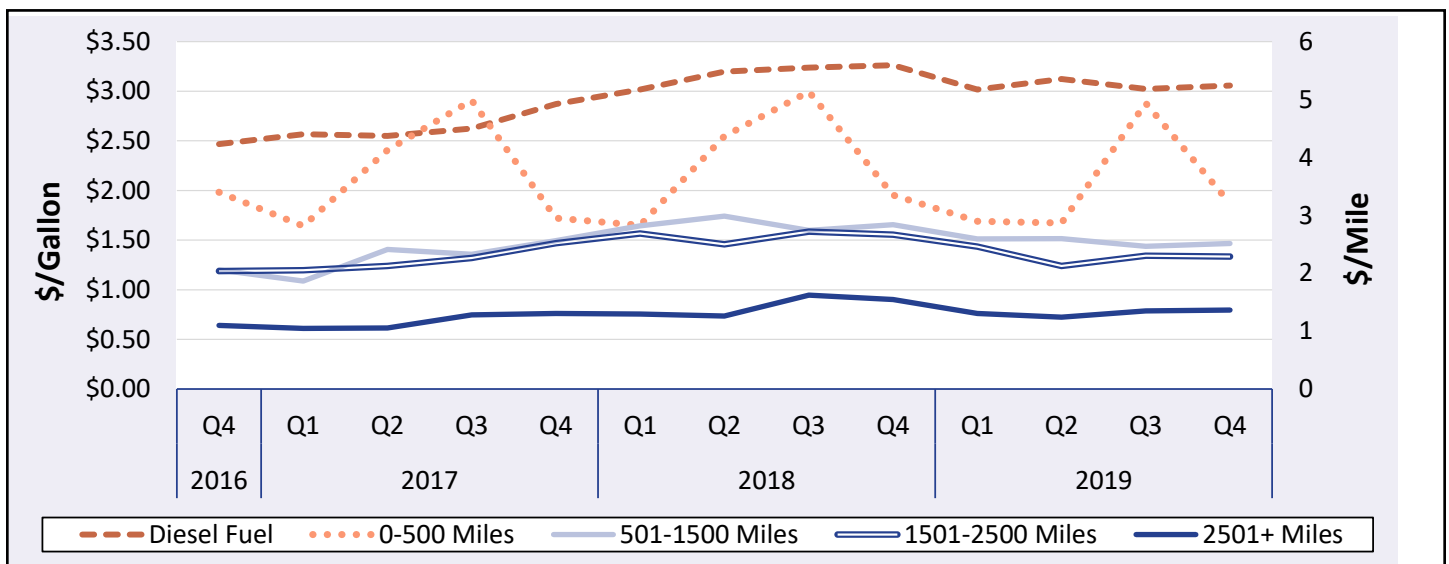
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

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
2016	Q4	2.47	2.06	4%	-17%	1%	-13%
2017	Q1	2.57	1.86	4%	-9%	24%	-16%
	Q2	2.55	2.41	-1%	29%	11%	2%
	Q3	2.63	2.33	3%	-4%	10%	-7%
	Q4	2.87	2.56	9%	10%	16%	25%
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%	0%	-8%
	Q2	3.12	2.60	4%	0%	-2%	-13%
	Q3	3.02	2.47	-3%	-5%	-7%	-10%
	Q4	3.06	2.52	1%	2%	-6%	-11%

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 4, 2019

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	Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Central And Western Arizona	Lettuce, Broccoli, Cauliflower, Romaine, Leaf Lettuce, Cantaloupe, Honeydews, Vegetables			3	3	3	3	3	3	4						
Central San Joaquin Valley California	Iceberg Lettuce, Romaine					3	3	3	3	4						
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	Lettuce, Broccoli, Cauliflower, Romaine, Leaf Lettuce										3	3	3	4		5
Kern District California	Carrots, Grapes	3	3	3	3	3	3	3	3	4	3	3	3	4		5
Mexico Crossings Through Nogales, Arizona	Cucumbers, Beans, Eggplant, Peppers, Tomatoes, Mixed Vegetables, Melons, Hard Squash		3	3	3	3	3	3	4	4	3	2	3	5		5
Northern California Including San Joaquin Valley	Pears	3	3	3	3	3										
Oxnard District California	Celery, Strawberries, Romaine, Leaf Lettuce, Cilantro, Kale, Parsley						3	3	3	4	3	3	3	4		5
Salinas-Watsonville California	Broccoli, Strawberries, Cauliflower, Celery, Iceberg Lettuce, Romaine, Leaf Lettuce	3	3	3	3	3	3	3	3	4	3	3				
San Joaquin Valley California	Grapes, Bell Peppers, Corn, Plums, Honeydews, Cantaloupe, Peaches, Nectarines, Watermelons	3	3	3	3	3	3	3	3	4	4	4	3	4		4
Santa Maria California	Broccoli, Strawberries, Cauliflower, Celery, Lettuce, Romaine, Leaf Lettuce	3	3	3	3	3	3	3	3	4	3	3	3	4		5
South District California	Citrus, Avocados	3	3	3	3	3	3	3	3	4	3	3	3	4		4
Florida	Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Central & South Florida	Tomatoes, Mixed Vegetables, Berries						2	2	3	3	3	3	4	5		5
West District Florida	Tomatoes			3	3	3	2	2	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 4, 2019

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													
Great Lakes (MI & WI)		Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Central Wisconsin	Potatoes, Onions	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5
Michigan	Apples	3	3	3	3	3	3	3	3	3	3	3	3	3	3		3
U.S.-Mexico border		Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Nogales, Arizona	Cucumbers, Beans, Eggplant, Peppers, Tomatoes, Mixed Vegetables, Melons, Hard Squash		3	3	3	3	3	3	3	4	4	3	2	3	5		5
Texas	Limes, Tomatoes, Broccoli, Mixed Fruit and Vegetables	3	3	3	3	3	3	3	3	3	3	3	3	3	3		3
Pacific Northwest (ID, OR, & WA)		Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Columbia Basin Washington	Potatoes, Onions	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5
Idaho And Malheur County, Oregon	Onions	3	3	3	3	3	3	3	3	4	4	4	3	4	4	4	4
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	4	3	3	3	3	3	3	3	4	4	4	3	4	4	4	5
Yakima Valley & Wenatchee District Washington	Apples, Pears	3	3	3	3	3	3	3	3	3	4	3	3	3	4		4
Southeast (GA, SC, & NC)		Commodity	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/23	12/24	12/31
Eastern North Carolina	Sweet Potatoes	3	4	4	4	4	4	3	2	5	5	4	4	3	5		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
2019	9,381	10,246	8,687	8,732	37,046
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
2004	6,867	8,331	6,876	6,732	28,807
2003	6,824	8,013	7,043	6,684	28,564

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

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



Reported Shipments by Selected Commodities

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

Commodity	4th Quarter 2019	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Potatoes	1,090	1,062	1,134	3%	-4%
Apples	903	621	805	46%	12%
Onions Dry	549	564	579	-3%	-5%
Oranges	481	245	441	97%	9%
Grapes	345	386	351	-11%	-2%
Tomatoes	331	274	341	21%	-3%
Lettuce, Iceberg	317	324	326	-2%	-3%
Avocados	299	265	260	13%	15%
Lettuce, Romaine	251	243	266	3%	-6%
Cucumbers	247	159	254	56%	-2%

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	4th Quarter 2019 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
California	2440	-28%	5%
Mexico	2348	35%	5%
PNW	1871	21%	3%
Arizona	422	1,129%	-12%
Florida	387	1,710%	4%
Other	269	-39%	-10%
Great Lakes	266	-21%	1%
Colorado	224	41%	-6%
Southeast	201	-47%	13%
New York	148	63%	3%

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

California

Volume

Total reported shipments of fruits and vegetables from California during fourth quarter 2019 were 2.44 million tons, a quarter-to-quarter decrease of 28 percent. The top five commodities increased 18 percent from fourth quarter 2018 (year to year). Of the top 5 commodities, grapes, lemons, and celery decreased 2, 5, and 5 percent, respectively, year-to-year. Oranges increased 11 percent year-to-year and reported clementine shipments increased significantly.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.02 per mile, a 3-percent increase quarter to quarter, but a 6-percent decrease year to year.

Truck Overview

Diesel fuel prices averaged \$3.96 per gallon, a 1-percent increase quarter to quarter but a 1-percent decrease year to year. Shippers reported adequate truck availability for most of fourth quarter 2019 except for slight shortage conditions the last week in November and shortage conditions the last 2 weeks in December.

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

Commodity	4th Quarter 2019	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Oranges	417	17%	241	377	73%	11%
Grapes	345	14%	369	351	-7%	-2%
Clementines	231	9%	0	28	-	713%
Lemons	204	8%	86	214	139%	-5%
Celery	201	8%	154	211	31%	-5%
Top 5 Total	1,399	57%	849	1,182	65%	18%
California Total	2,440	100%	3,407	2,333	-28%	5%

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

"-" indicates no reported shipments during the quarter.

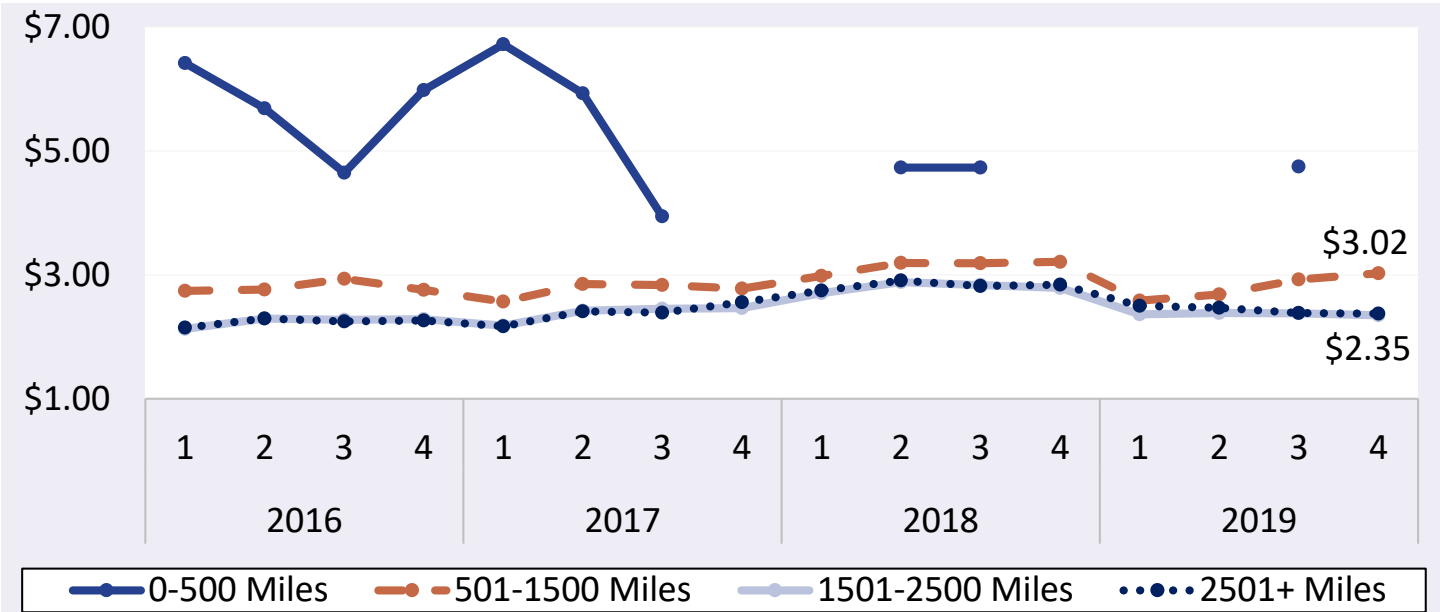
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Figure 5: California Truck Rates (\$/Mile by Distance Travelled)



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

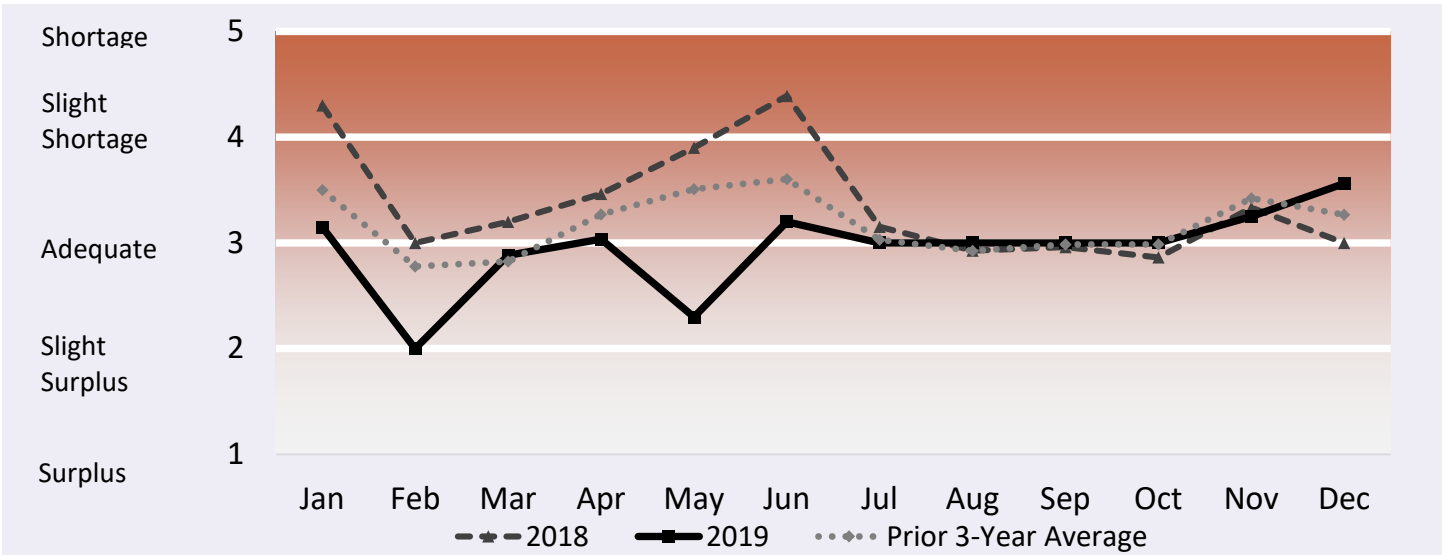
Table 12: California Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)

Region/Reporting District	October	November	December	4th Quarter
Central San Joaquin Valley California	3	3.25	-	3.13
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	-	-	3.6	3.6
Kern District California	3	3.25	3.6	3.28
Northern California Including San Joaquin Valley	3	-	-	3
Oxnard District California	-	3.25	3.6	3.43
Salinas-Watsonville California	3	3.25	3	3.08
San Joaquin Valley California	3	3.25	3.8	3.35
Santa Maria California	3	3.25	3.6	3.28
South District California	3	3.25	3.4	3.22
Regional Average Availability	3	3.25	3.51	3.25
Diesel Fuel Price (\$/gallon)	3.99	4.00	3.90	3.96

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



Figure 6: Refrigerated Truck Availability Monthly Ratings for California



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



U.S.-Mexico Border

Volume

Total reported shipments of fruits and vegetables from Mexico during fourth quarter 2019 were 2.35 million tons, a 5-percent increase year to year. The sum of the top five commodities increased 2 percent year to year. Avocados saw the largest year-to-year increase at 18 percent. Also, year to year, shipments of cucumbers and peppers decreased 5 percent and 10 percent, respectively.

Rates

In fourth quarter 2019, truck rates for shipments between 501 miles and 1,500 miles from the Arizona border crossings averaged \$2.21 per mile, down 12 percent from third quarter 2019 (quarter to quarter) and down 11 percent year to year. Rates for shipments between 501 miles and 1,500 miles from the Texas border crossings averaged \$2.23 per mile, up 9 percent quarter to quarter, but down 5 percent year to year.

Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$3.33 per gallon, increasing 5 percent quarter to quarter but decreasing 4 percent year to year. Diesel fuel prices for border crossings from Texas averaged \$2.79 per gallon, a 0.2-percent increase quarter to quarter, but an 8-percent decrease year to year. Shippers reported adequate truck availability for crossing the Arizona border in October through mid-November; at the end of November, conditions changed to slight shortage. In the beginning of December, truck availability was reported as adequate, then shifted to shortage by the end of the month. At Texas border-crossing locations, shippers reported adequate truck availability throughout fourth quarter 2019.

Table 13: Reported Top Five Commodities Shipped from Mexico (1,000 tons)

Commodity	4th Quarter 2019	Share of Mexico Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Avocados	293	12%	211	249	39%	18%
Cucumbers	207	9%	95	216	118%	-5%
Tomatoes	168	7%	117	167	44%	1%
Peppers, Other	159	7%	141	176	13%	-10%
Squash	157	7%	27	156	487%	1%
Top 5 Total	983	42%	589	965	67%	2%
Mexico Total	2,348	100%	1,740	2,232	35%	5%

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

"-" indicates no reported shipments during the quarter.

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



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

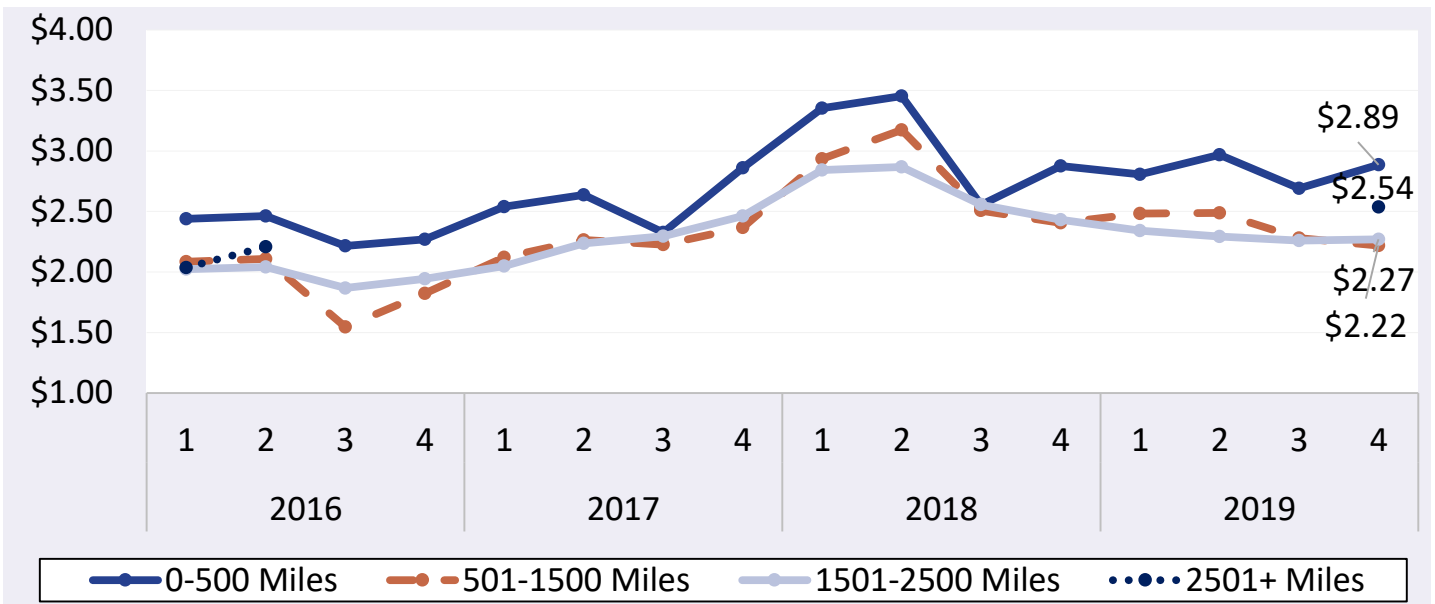
Quarter 4, 2019

Table 14: Top 5 Commodities Shipped to U.S. from Mexico by State of Entry (1,000 tons)

Texas		California		Arizona		New Mexico	
Commodity	4th Quarter 2019	Commodity	4th Quarter 2019	Commodity	4th Quarter 2019	Commodity	4th Quarter 2019
Avocados	286.24	Tomatoes, Plum Type	48.76	Cucumbers	142.54	Peppers, Other	85.77
Limes	128.79	Onions Green	39.63	Squash	140.22	Corn-Sweet	0.38
Tomatoes	123.16	Misc Tropical	29.24	Watermelons, Seedless	105.33	Misc Tropical	0.36
Tomatoes, Plum Type	74.32	Asparagus	20.12	Peppers, Bell Type	60.00	Watermelons	0.08
Broccoli	67.07	Cucumbers	15.64	Tomatoes	30.23	Mixed And Misc Melons	0.02
Mexico through TX Total	1253.10	Mexico through CA Total	327.34	Mexico through AZ Total	680.88	Mexico through NM Total	86.62

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

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



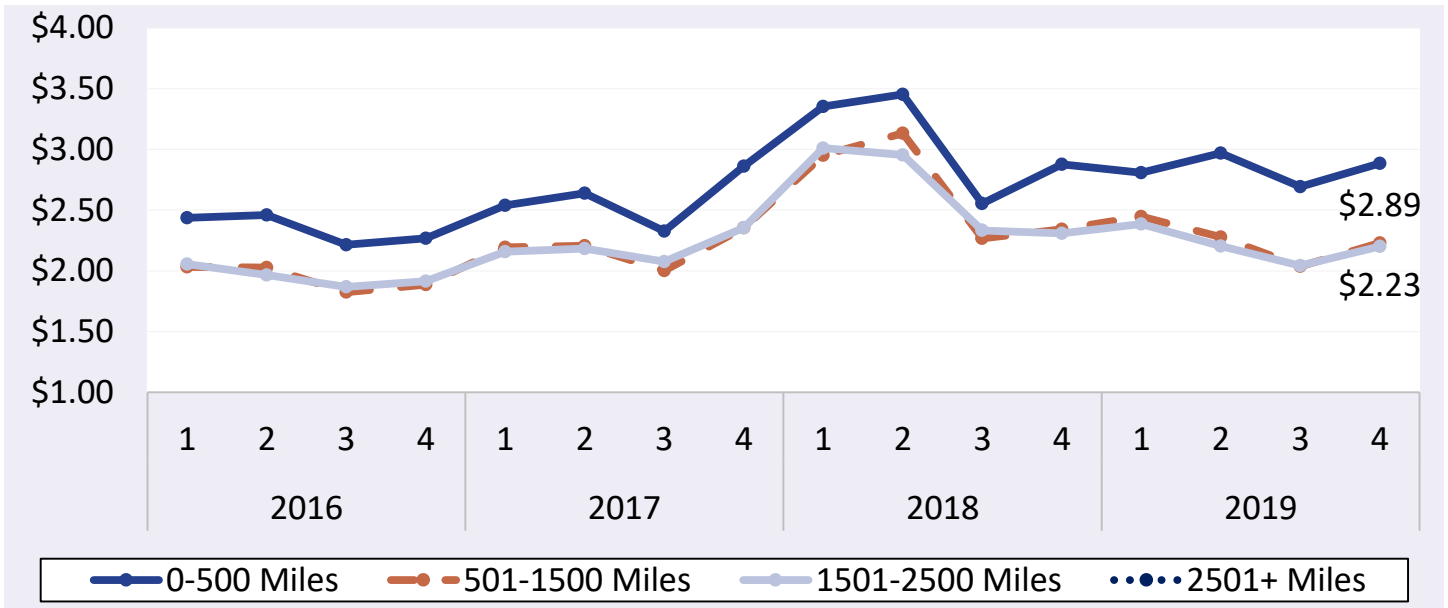
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 Gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

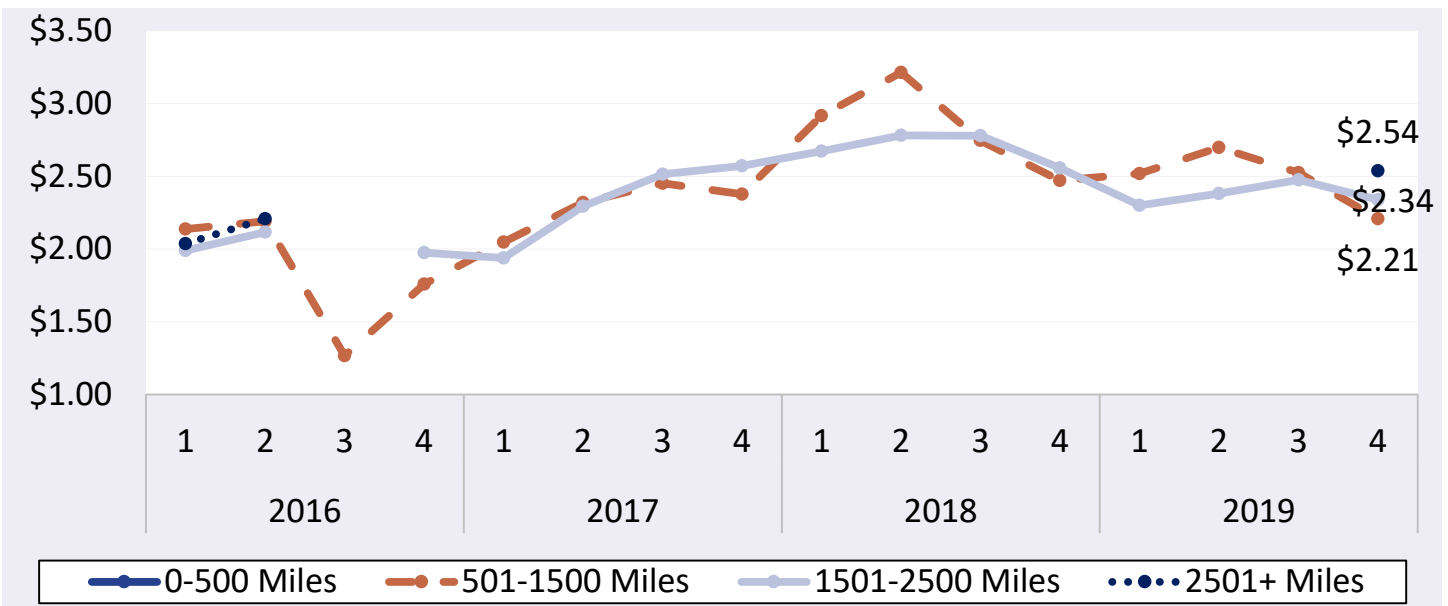
Quarter 4, 2019

Figure 8: 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. Gaps in the chart lines are the result of quarters with no reported data for the region.

Figure 9: 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. Gaps in the chart lines are the result of quarters with no reported data for the region.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Table 15: Truck Overview from the U.S.-Mexico Border

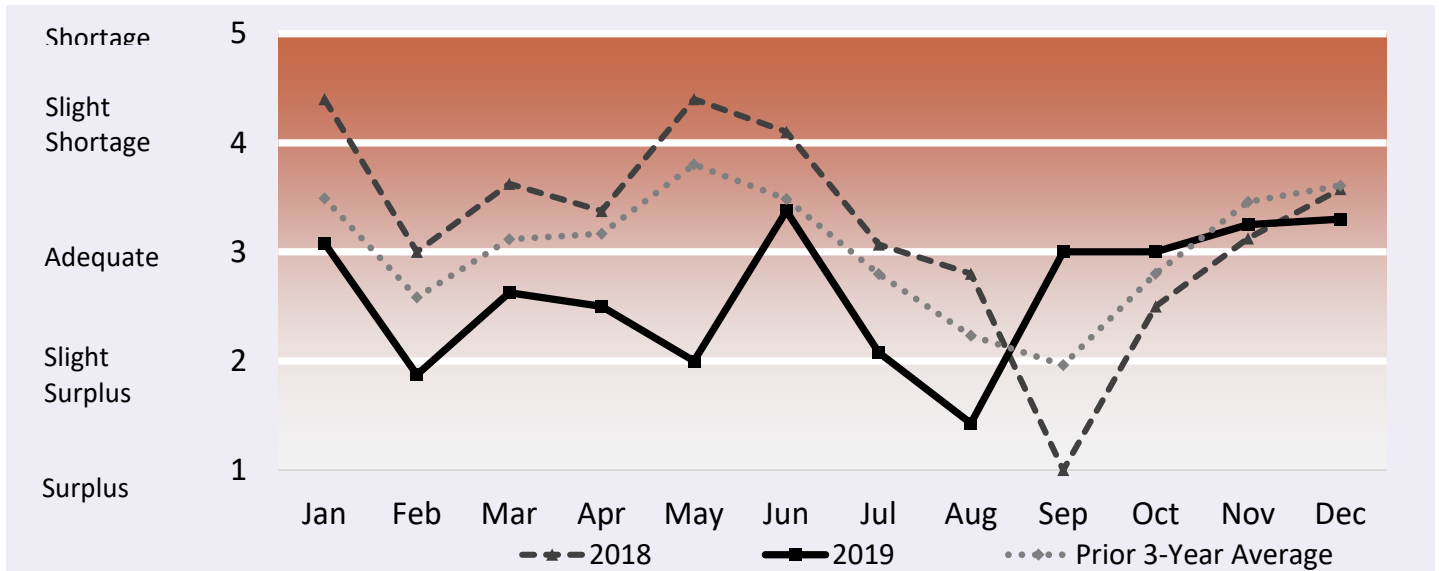
Region/Reporting District	Availability Rating, 1=Surplus to 5=Shortage			
	October	November	December	4th Quarter
Mexico Crossings Through Nogales, Arizona	3	3.57	3.65	3.41
Mexico Crossings Through Texas	3	3	3	3
Regional Average Availability	3	3.29	3.33	3.20
Diesel Fuel Price (\$/gallon), through Texas	2.80	2.79	2.77	2.79
Diesel Fuel Price (\$/gallon), through Arizona	3.28	3.42	3.30	3.33

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

"-" indicates no reported shipments during the quarter.

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

Figure 10: 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.

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



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

PNW

Volume

During fourth quarter 2019, total reported shipments of fruits and vegetables from the Pacific Northwest were 1.87 million tons, increasing 3 percent year to year. The sum of the top five commodities also increased 3 percent year to year. Year-to-year increases in apple (17 percent) and cranberry (5 percent) shipments were offset by decreases in potato (2 percent), dry onion (7 percent), and pear (1 percent) shipments.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.18 per mile, increasing 14 percent quarter to quarter, but decreasing 11 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.33 per gallon, increasing 5 percent quarter to quarter but decreasing 4 percent year to year. Shippers reported adequate truck availability through mid-November followed by slight shortage and shortage conditions through the end of 2019.

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

Commodity	4th Quarter 2019	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	741	40%	558	635	33%	17%
Potatoes	531	28%	547	542	-3%	-2%
Onions Dry	431	23%	242	463	78%	-7%
Pears	165	9%	52	167	220%	-1%
Cranberries	2	0%	0	2	4,538%	5%
Top 5 Total	1,871	100%	1,399	1,809	34%	3%
PNW Total	1,871	100%	1,551	1,809	21%	3%

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

"-" indicates no reported shipments during the quarter.

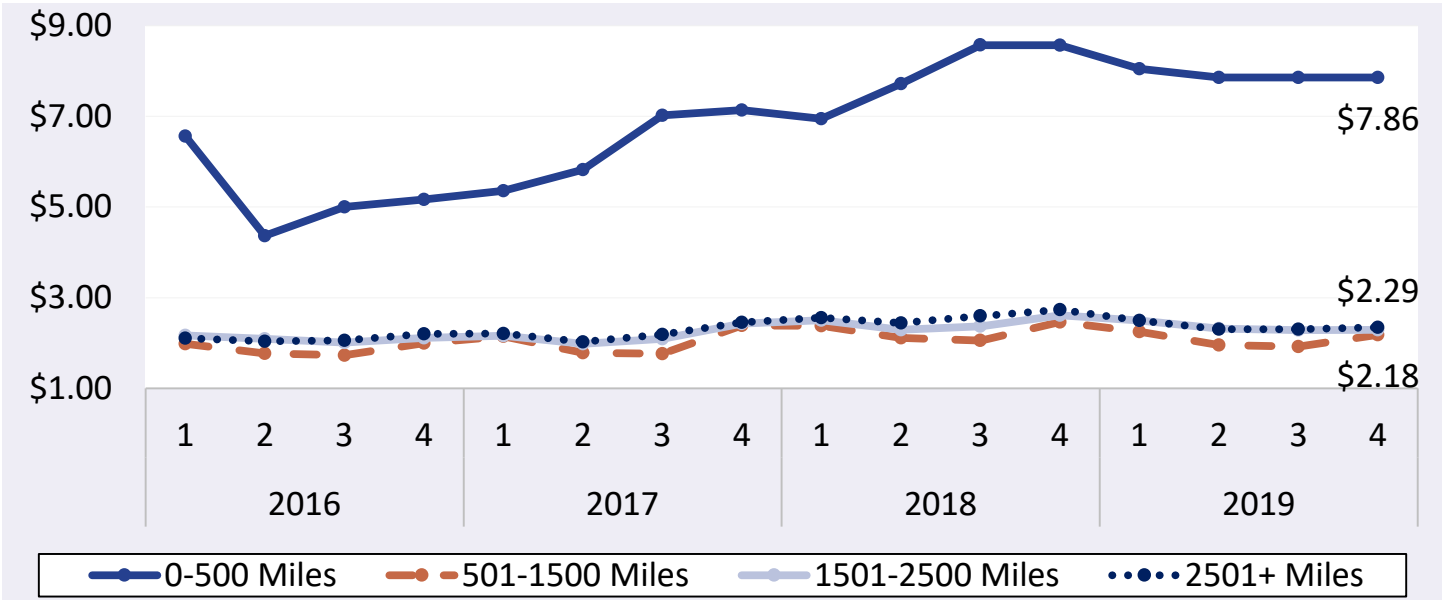
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Figure 11: PNW Truck Rates (\$/Mile by Distance Traveled)



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. 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	Availability Rating, 1=Surplus to 5=Shortage			
	October	November	December	4th Quarter
Columbia Basin Washington	3	3.56	4.17	3.57
Idaho And Malheur County, Oregon	3	3.5	3.87	3.46
Upper Valley, Twin Falls-Burley District Idaho	3.2	3.5	4	3.57
Yakima Valley & Wenatchee District Washington	3	3.25	3.4	3.22
Regional Average Availability	3.05	3.45	3.86	3.45
Diesel Fuel Price (\$/gallon)	3.28	3.42	3.30	3.33

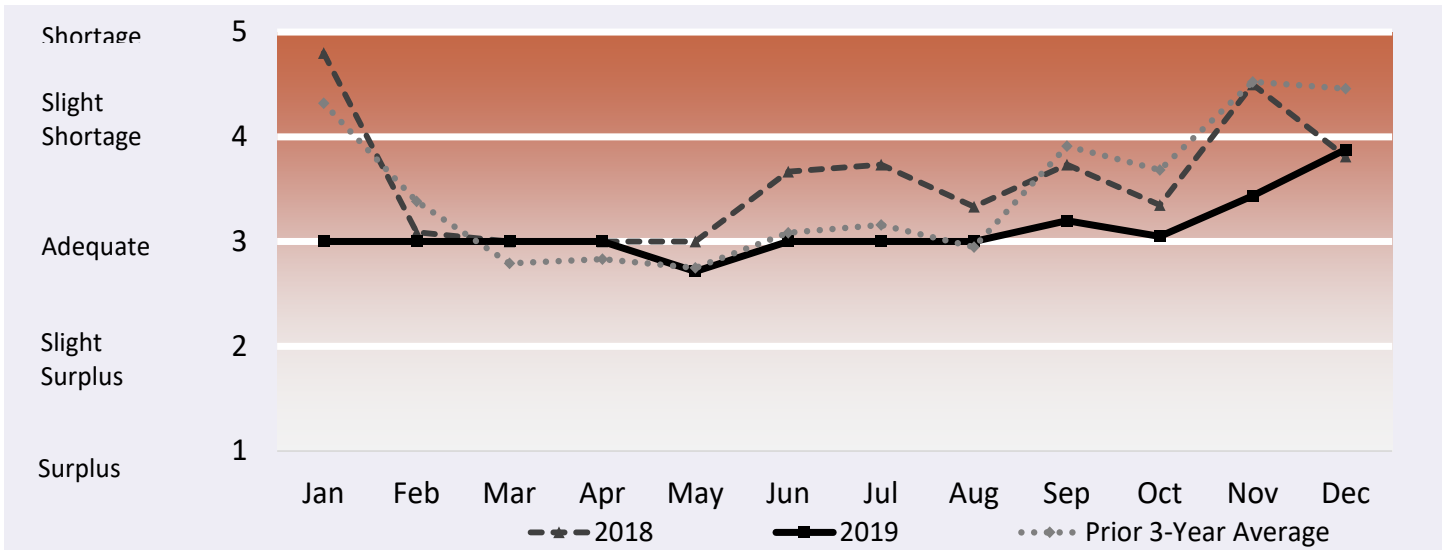
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. “-” indicates no reported shipments during the quarter. Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Figure 12: Refrigerated Truck Availability Monthly Ratings for the PNW



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



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Arizona

Volume

During fourth quarter 2019, total reported shipments of fruits and vegetables from Arizona were 422,000 tons, down 12 percent year to year. The sum of the top five commodities also decreased 12 percent quarter to quarter. Shipments of each of the top five commodities decreased including relatively significant decreases in iceberg lettuce (14 percent), processed lettuce (18 percent), and cantaloupe (24 percent).

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.98 per mile, down 2 percent quarter to quarter, and down 26 percent year to year.

Truck Overview

Diesel fuel prices averaged \$3.33 per gallon, up 5 percent quarter to quarter but down 4 percent year to year. Shippers reported adequate truck availability for most of fourth quarter 2019 except for slight shortage conditions the last week in November and shortage conditions the last 2 weeks in December.

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

Commodity	4th Quarter 2019	Share of Arizona Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Lettuce, Iceberg	128	30%	0	149	-	-14%
Lettuce, Romaine	114	27%	0	119	-	-4%
Lettuce, Processed	55	13%	0	67	-	-18%
Cantaloupe	27	6%	16	36	68%	-24%
Lettuce, Green Leaf	18	4%	0	18	-	-1%
Top 5 Total	342	81%	16	388	2,001%	-12%
Arizona Total	422	100%	34	479	1129%	-12%

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

"-" indicates no reported shipments during the quarter.

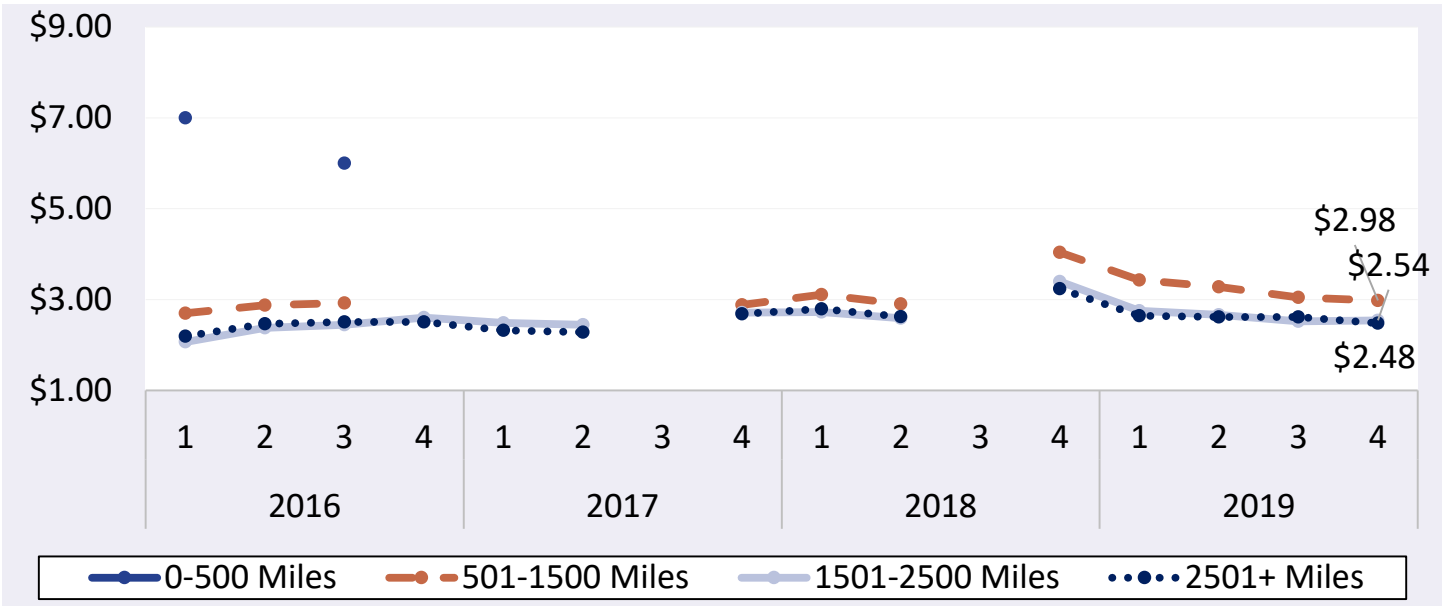
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

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



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

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

Region/Reporting District	October	November	December	4th Quarter
Central And Western Arizona	3	3.33	-	3.17
Imperial, Palo Verde And Coachella Valleys, California And Central And Western Arizona	-	-	3.6	3.6
Regional Average Availability	3	3.33	3.6	3.31
Diesel Fuel Price (\$/gallon)	3.28	3.42	3.30	3.33

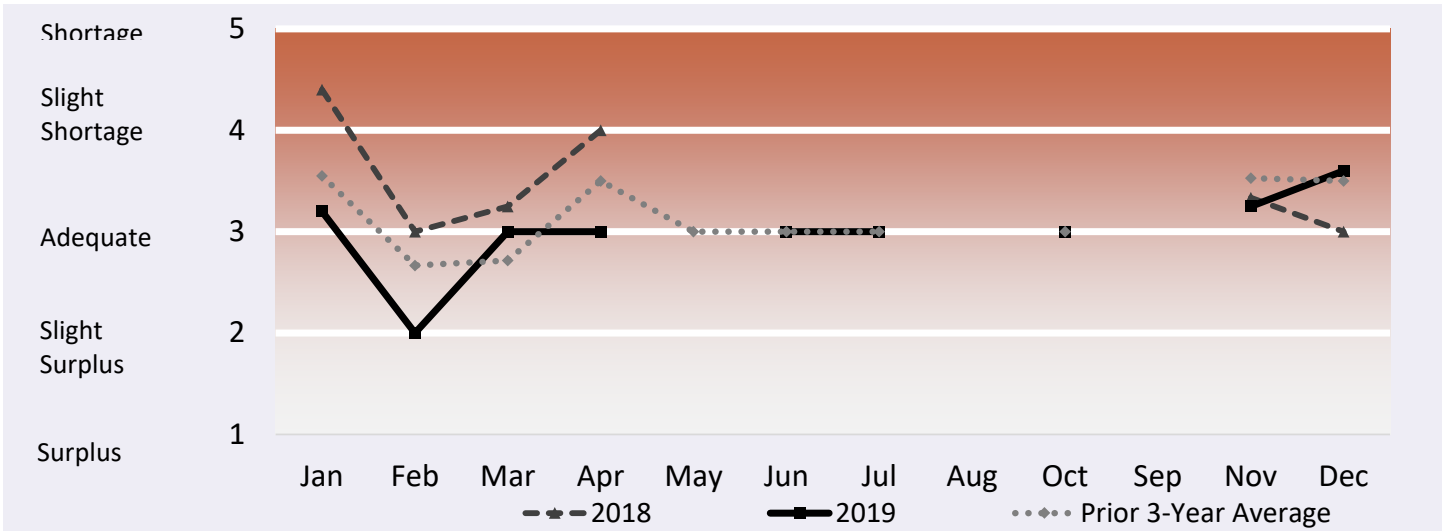
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data. "-" indicates no reported shipments during the quarter. Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Figure 14: Refrigerated Truck Availability Monthly Ratings for Arizona



Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
 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 during fourth quarter 2019 were 387,000 tons, up 4 percent year to year. The sum of the top five commodities increased 2 percent year to year. Three of the top five commodities—including oranges (up 21 percent), grapefruit (up 2 percent), and bell peppers (up 24 percent)—increased year to year. However, shipments of tomatoes (down 3 percent) and plum tomatoes (down 13 percent) decreased year to year.

Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$1.90 per mile, down 32 percent quarter to quarter and down 12 percent year to year.

Truck Overview

Diesel fuel prices averaged \$2.92 per gallon, up 0.3 percent quarter to quarter but down 7 percent year to year. Shippers reported adequate and slight surplus truck availability until the end of December when shippers reported slight shortage and shortage conditions.

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

Commodity	4th Quarter 2019	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Tomatoes	106	28%	0	110	-	-3%
Oranges	38	10%	2	31	2,339%	21%
Grapefruit	34	9%	0	34	-	2%
Tomatoes, Plum Type	29	8%	-	34	-	-13%
Peppers, Bell Type	24	6%	0	19	-	24%
Top 5 Total	232	60%	2	228	-	2%
Florida Total	387	100%	21	371	1710%	4%

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

"-" indicates no reported shipments during the quarter.

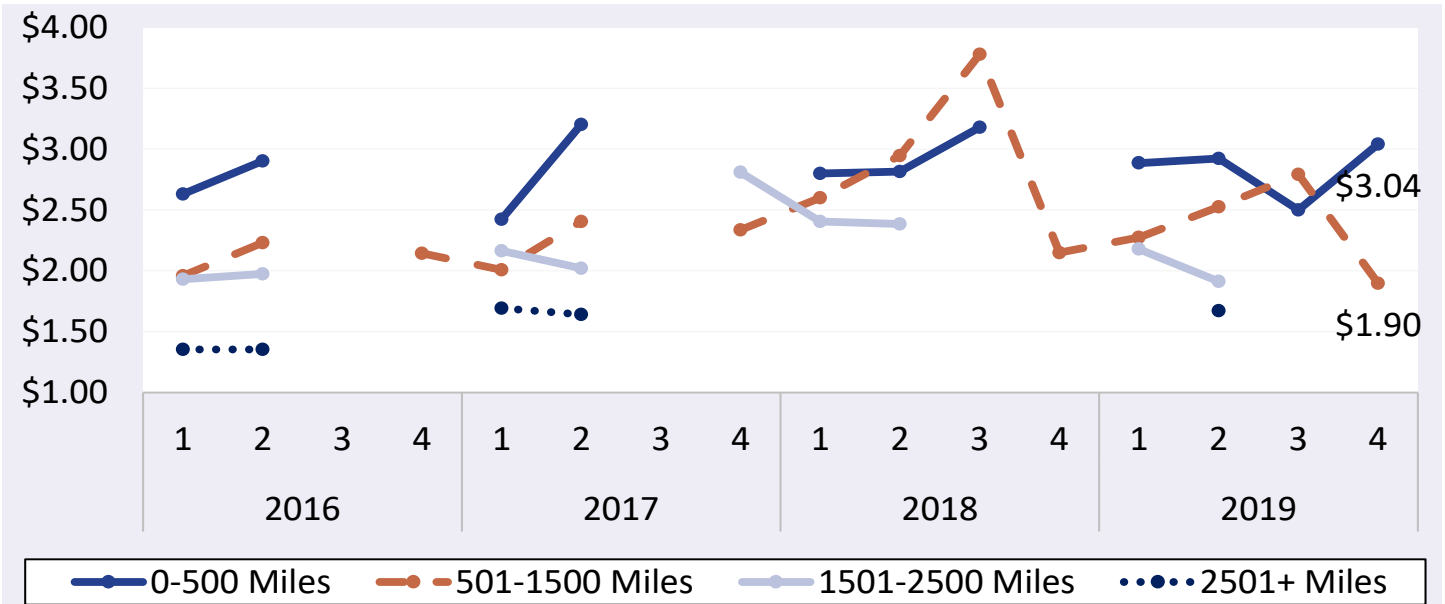
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

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



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

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

Region/Reporting District	Availability Rating, 1=Surplus to 5=Shortage			
	October	November	December	4th Quarter
Central & South Florida	-	2.5	4	3.25
West District Florida	3	2.5	-	2.75
Regional Average Availability	3	2.5	4	3.17
Diesel Fuel Price (\$/gallon)	2.92	2.92	2.93	2.92

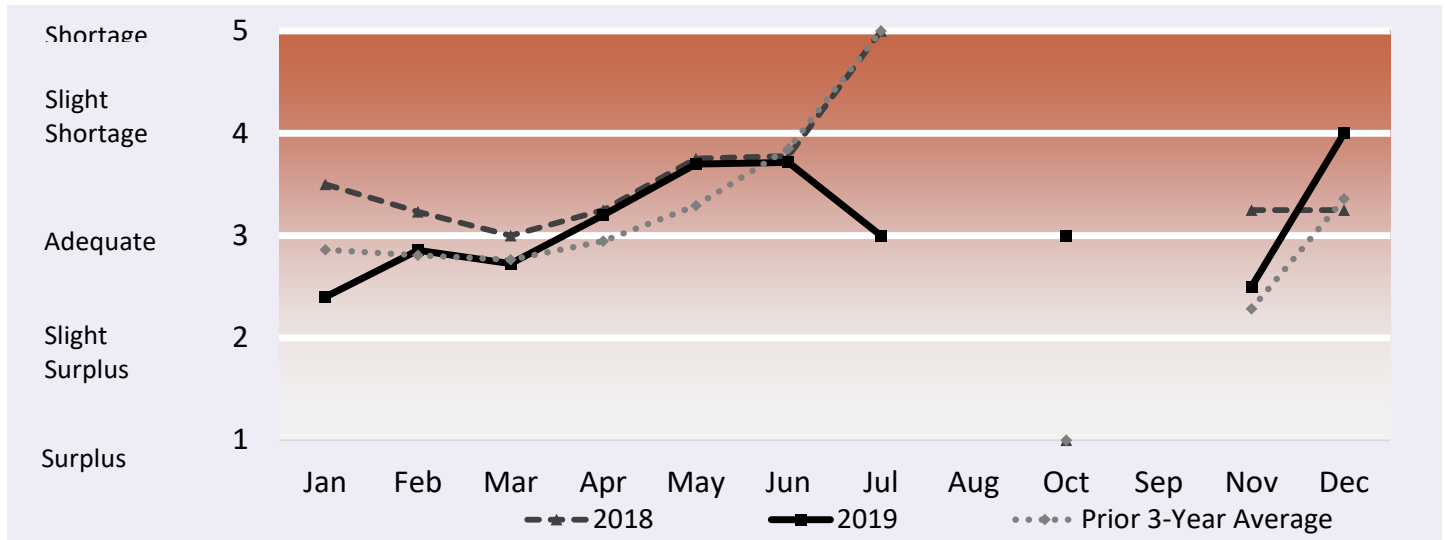
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.
“-” indicates no reported shipments during the quarter.
Note: Table values may not conform exactly due to rounding.



AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 4, 2019

Figure 16: Refrigerated Truck Availability Monthly Ratings for Florida



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



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.



CONTACT INFORMATION

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Related Websites

USDA's Agricultural Transportation Open Data Platform

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

Specialty Crops Program

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

Specialty Crops Truck Rate Report

<http://www.ams.usda.gov/market-news/fruits-vegetables>

Economic Research Service Vegetable and Pulses

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

Economic Research Service Fruit and Tree Nuts

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

National Agricultural Statistics Service, Crops

http://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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