



# 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 2023 U.S. truck shipments of fresh produce were 11.27 million tons—16 percent higher than the previous quarter and 6 percent higher than second quarter 2022.

Also, in second quarter 2023, shipments from Mexico were 3.84 million tons, which was higher than from any other reported origin. Shipments from Mexico accounted for 34 percent of the total reported shipments of fresh fruit and vegetables. Shipments from the next four top regions by volume were as follows: California, 3.02 million tons (27 percent of the total); Pacific Northwest (PNW), 1.26 million tons (11 percent of the total); Florida, 992,000 tons (9 percent of the total); and finally, Southeast, 510,000 tons (5 percent of the total).

These top five commodities accounted for 38 percent of reported truck movements in second quarter 2023:

- ▶ Seedless Watermelons (11 percent)
- ▶ Potatoes (10 percent)
- ▶ Apples (6 percent)
- ▶ Dry Onions (6 percent)
- ▶ Oranges (5 percent)

### Truck Rates

The table below provides a snapshot of quarterly truck rates for U.S. produce shipments over four mileage categories—1-500; 501-1,500; 1,501-2,500; and 2,501+ miles. Please note the U.S. average truck rates provided below were calculated using weighted regional rates and volumes.

#### Average U.S. Truck Rates for Selected Routes Between 501 and 1,500 Miles (\$/Mile)

	0-500 miles	501-1,500 miles	1,501-2,500 miles	2,501+ miles
<b>Q2 2022</b>	8.09	3.65	2.87	1.64
<b>Q3 2022</b>	8.40	3.23	2.86	1.50
<b>Q4 2022</b>	6.82	3.03	2.81	1.39
<b>Q1 2023</b>	5.93	2.63	2.28	1.41
<b>Q2 2023</b>	6.32	2.82	2.33	1.47
<b>Q2 Change from Previous Quarter</b>	6%	7%	2%	4%
<b>Q2 Change from Same Quarter Last Year</b>	-22%	-23%	-19%	-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.

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

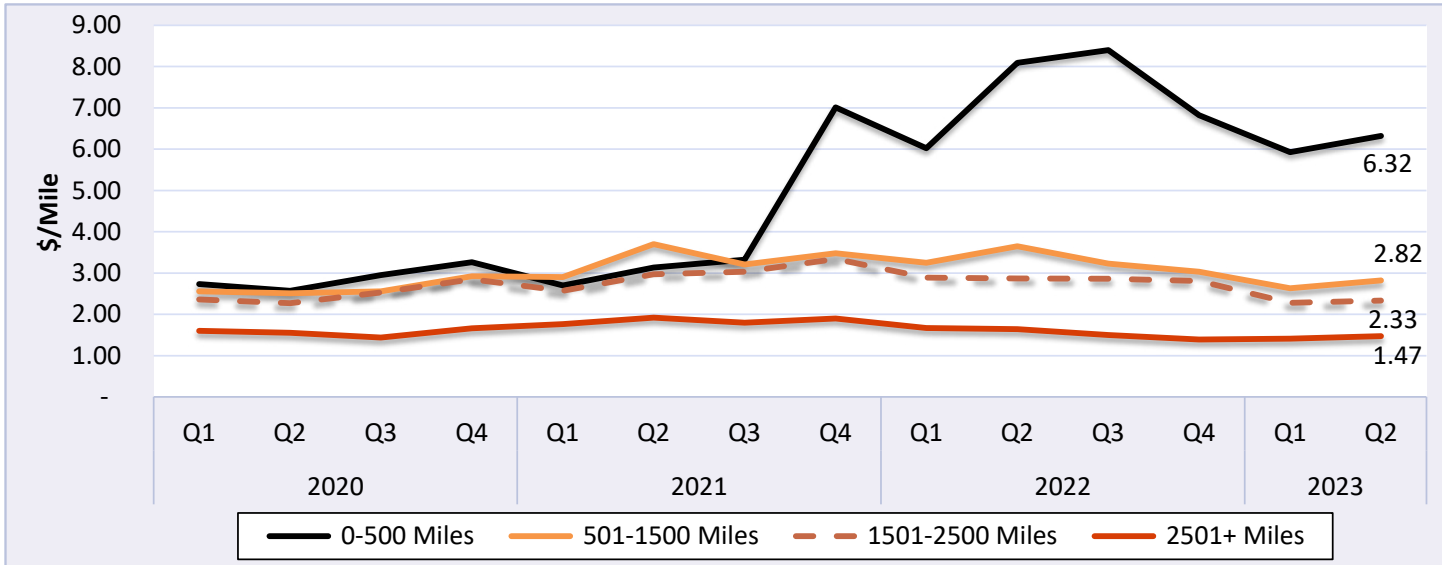
### Diesel Fuel

During second quarter 2023, the U.S. diesel fuel price averaged \$3.94 per gallon—down 10 percent from the previous quarter, and down 28 percent from the same quarter in 2022.



## 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
2023	2.63	2.82		
2022	3.25	3.65	3.23	3.03
2021	2.90	3.70	3.21	3.48
2020	2.56	2.51	2.56	2.92
2019	2.59	2.60	2.47	2.52
2018	2.82	2.99	2.74	2.84
2017	1.86	2.41	2.33	2.56
2016	2.22	2.37	2.49	2.06
2015	2.47	2.63	2.59	2.36
2014	2.32	2.67	2.64	2.49
2013	2.24	2.60	2.62	2.27
2012	2.10	2.54	2.45	2.29
2011	2.02	2.60	2.77	2.26

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

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

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



## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

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

U.S. Origin	2nd Quarter, 2023			1st Quarter, 2023		
	April	May	June	January	February	March
California	2.95	3.31	3.68	3.19	3.05	2.98
Florida	2.53	2.89	2.28	2.42	2.51	2.18
Great Lakes	4.20	4.16	4.30	4.27	4.25	4.14
Mexico-Arizona	2.61	2.91	3.23	2.94	2.97	2.67
Mexico-Texas	2.97	2.84	2.92	3.38	2.89	2.91
New York	3.44	3.44	3.44	3.49	3.48	3.44
Other	2.99	2.97	2.96	3.06	2.99	2.99
PNW	2.63	2.40	2.44	3.36	3.07	3.05
Southeast	4.26	3.52	3.71	5.47	5.48	5.37
Texas	2.98	3.02	n/a	n/a	n/a	n/a

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

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

## Truck Rates for Selected Routes

**Table 3: Origin-Destination Truck Rates for Selected Routes, 2nd Quarter 2023 (\$/Mile)**

U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
California	2.74	2.60	2.48	2.63	3.21	14.47	2.77	2.64	2.53	3.16
Florida	3.14	2.90	2.78	2.15	n/a	2.09	3.22	2.70	2.55	n/a
Great Lakes	4.36	4.38	4.03	5.29	3.68	n/a	3.82	4.70	3.69	n/a
Mexico-Arizona	2.55	2.46	2.52	2.25	2.94	2.89	2.57	2.70	2.56	n/a
Mexico-Texas	3.11	2.81	2.80	2.70	3.68	2.35	2.99	2.86	2.86	n/a
New York	3.85	5.00	14.12	n/a	n/a	n/a	3.03	17.50	7.61	n/a
Other	3.17	3.26	2.82	2.84	3.18	n/a	n/a	n/a	n/a	n/a
PNW	2.52	2.56	2.55	2.39	2.44	2.49	2.41	2.72	2.55	8.08
Southeast	6.50	4.33	3.85	3.76	2.87	n/a	3.99	4.11	4.18	n/a
Texas	3.18	3.05	2.72	2.78	4.14	n/a	3.03	n/a	2.91	n/a

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

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



## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**Table 4: Origin-Destination Truck Rates for Selected Routes, 2nd Quarter 2023 (\$/Truck)**

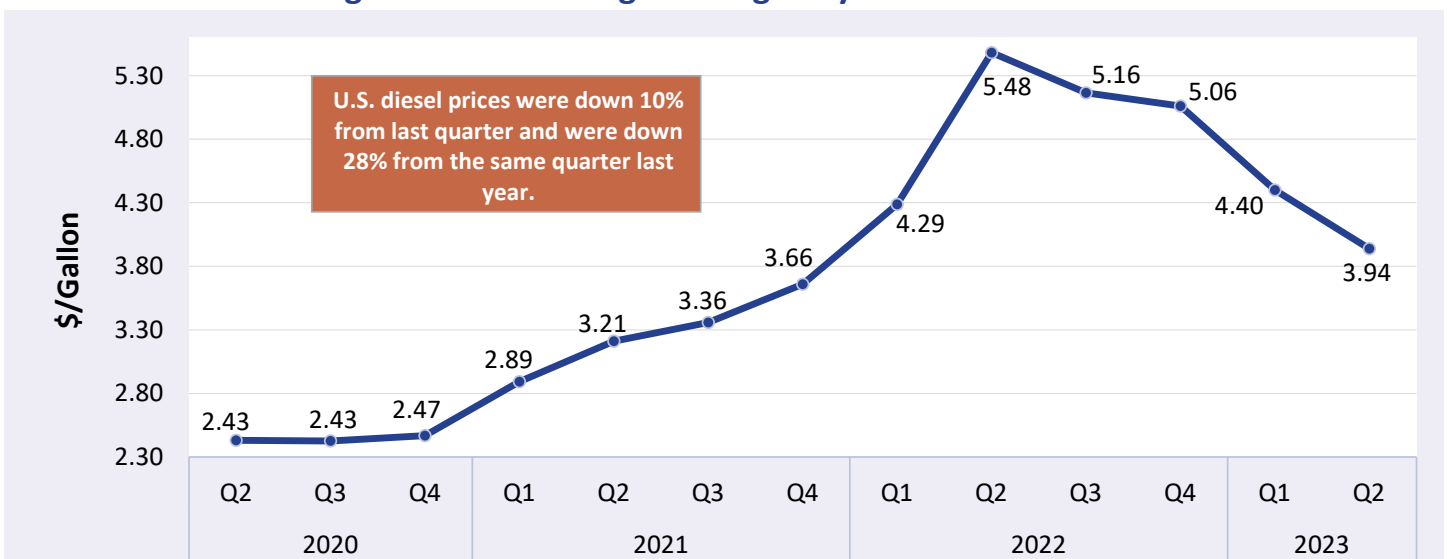
U.S. Origin	Atlanta	Baltimore	Boston	Chicago	Dallas	Los Angeles	Miami	New York	Philadelphia	Seattle
California	6,081	7,005	7,464	5,482	4,638	1,538	7,627	7,444	7,094	3,675
Florida	1,495	2,868	3,868	2,641	n/a	5,250	772	3,060	2,680	n/a
Great Lakes	4,657	4,113	5,007	1,841	4,026	n/a	6,188	4,838	5,160	n/a
Mexico-Arizona	4,592	5,792	6,794	4,042	2,885	1,619	5,858	6,750	6,135	n/a
Mexico-Texas	3,573	5,038	6,158	3,862	1,838	3,765	4,569	5,715	5,442	n/a
New York	3,850	1,650	2,400	n/a	n/a	n/a	4,400	2,625	1,750	n/a
Other	2,584	5,082	4,781	2,138	2,325	n/a	n/a	3,450	2,888	n/a
PNW	5,911	6,295	7,001	4,323	4,507	2,563	7,223	6,934	6,432	1,131
Southeast	1,412	2,622	3,771	3,254	2,723	n/a	2,290	3,379	2,873	n/a
Texas	3,371	5,250	5,757	3,786	1,779	n/a	4,429	n/a	5,293	n/a

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

## U.S. Diesel Fuel Prices

The diesel fuel price provides a proxy for trends in U.S. truck rates. Diesel fuel is a significant component underlying truck rates.

**Figure 2: U.S. Average On-Highway Diesel Fuel Prices**



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



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**Table 5: Average Diesel Fuel Prices (All Types)**

Region	2nd Quarter 2023 Price \$/Gallon	Change From Last Quarter	Change From Last Year
East Coast	4	-13%	-29%
California	4.86	-10%	-26%
New England	4.32	-12%	-27%
Central Atlantic	4.29	-12%	-27%
Lower Atlantic	3.86	-13%	-29%
Gulf Coast	3.66	-11%	-29%
Midwest	3.85	-9%	-27%
Rocky Mountain	4.08	-11%	-25%
West Coast Except California	4.33	-7%	-23%
U.S.	3.94	-10%	-28%

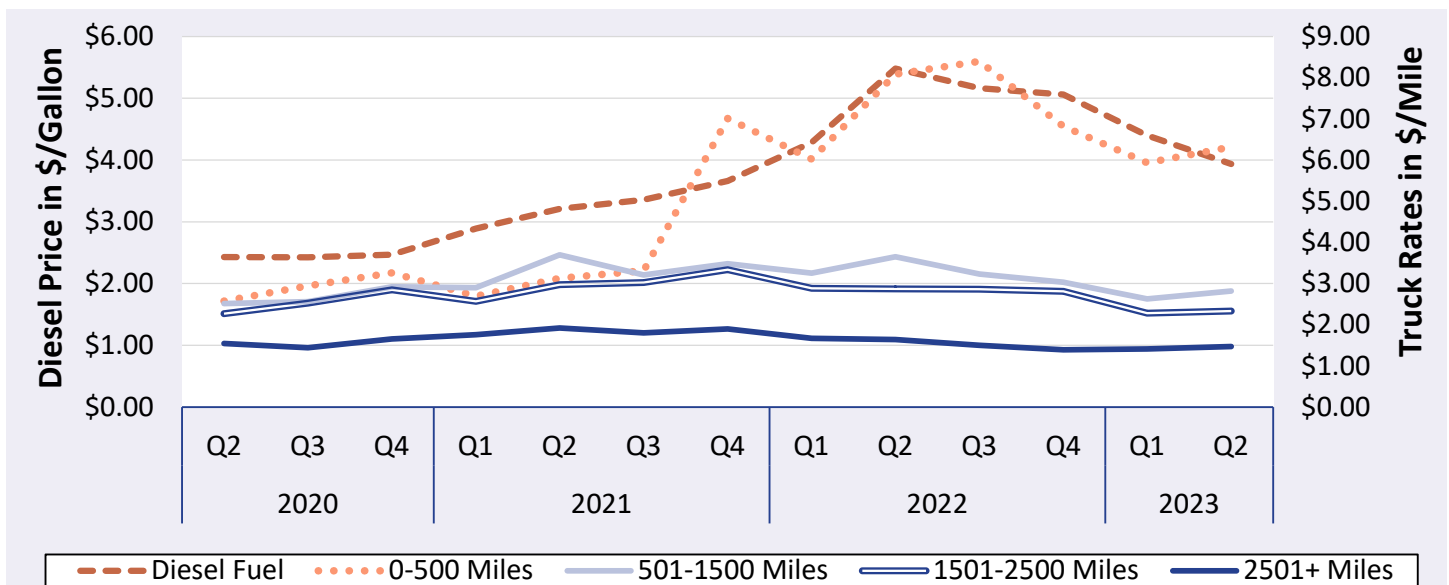
Source: AMS Transportation Services Division analysis of Energy Information Administration/U.S. Department of Energy data.

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

## Relationship Between Diesel Fuel and Truck Rates

The diesel fuel price provides a proxy for trends in U.S. truck rates. Diesel fuel is a significant expense for fruit and vegetable movements.

**Figure 3: U.S. Average On-Highway Diesel Fuel Prices and Truck Rates**



Sources: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data and Energy Information Administration/U.S. Department of Energy data.

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



## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**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
<b>2020</b>	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%
<b>2021</b>	Q1	2.89	2.90	17%	-1%	> -1%	14%
	Q2	3.21	3.70	11%	27%	32%	47%
	Q3	3.36	3.21	5%	-13%	38%	25%
	Q4	3.66	3.48	9%	8%	48%	19%
<b>2022</b>	Q1	4.29	3.25	17%	-7%	48%	12%
	Q2	5.48	3.65	28%	12%	71%	-1%
	Q3	5.16	3.23	-6%	-12%	54%	1%
	Q4	5.06	3.03	-2%	-6%	38%	-13%
<b>2023</b>	Q1	4.40	2.63	-13%	-13%	3%	-19%
	Q2	3.94	2.82	-10%	7%	-28%	-23%

Sources: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data and Energy Information Administration/U.S. Department of Energy data.

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



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

## 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	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	
<b>Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis</b>	Artichokes, Beets, Brussels Sprouts, Fresh Cut Cabbage, Green Onions, Green Peas, Radishes, Anise, Bok Choy, Broccoli, Cauliflower, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Leeks, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Spinach	3	3	3	3	4	4	4	3	3	3	3	3	3	
<b>Kern District California</b>	Carrots, Grapes	3	3	3	3	4	4	4	3	3	3	3	3	3	
<b>Oxnard District California</b>	Artichokes, Brussels Sprouts, Fresh Cut Cabbage, Celery, Cilantro, Kale Greens, Parsley, Radishes, Spinach	3	3	3	3	4	4	4	3	3	3	3	3	3	
<b>Salinas-Watsonville California</b>	Anise, Artichokes, Beets, Bok Choy, Broccoli, Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Escarole, Leeks, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Green Peas, Radishes, Spinach				3	4	4	4	3	3	3	3	3	4	
<b>Santa Maria California</b>	Anise, Beets, Bok Choy, Broccoli, Cabbage, Cauliflower, Celery, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Boston Lettuce, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Green Peas, Radishes, Spinach	3	3	3	3	4	4	4	3	3	3	3	3	3	
<b>South District California</b>	Grapefruit, Lemons, Oranges, Tangelos	3	3	3	3	3	3	3	3	3	3	3	3	3	
Florida	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	
<b>Central And South Florida</b>	Cucumbers, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons, Other Peppers, Round Green Beans, Sweet Corn, Eggplant, Bell Peppers, Radishes, Squash, Cabbage, Cantaloupe, Endive, Escarole, Strawberries	3	3	3	4	4	4	4	4	4	4	4			
<b>Florida</b>	Potatoes	3	3	3	3	3	3	3	3	3					
<b>Florida West And South Carolina District</b>	Cantaloupe, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons										4	4	4	4	

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

Note: Empty cells were not reported.





## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**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)	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	
Central Wisconsin	Potatoes, Dry Onions	3	3	3	3	3	3	3	3	3	3	3	3	3	
U.S.-Mexico border	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	Artichokes, Beets, Brussels Sprouts, Fresh Cut Cabbage, Green Onions, Green Peas, Radishes, Anise, Bok Choy, Broccoli, Cauliflower, Chinese Cabbage, Cilantro, Endive, Escarole, Kale Greens, Leeks, Green Leaf Lettuce, Iceberg Lettuce, Red Leaf Lettuce, Romaine Lettuce, Parsley, Spinach	3	3	3	3	4	4	4	3	3	3	3	3	3	
Nogales, Arizona	Cucumbers, Honeydews, Acorn Squash, Butternut Squash, Grey Squash, Kabocha Squash, Spaghetti Squash, Yellow Squash Straightneck, Zucchini Squash, Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons	3	4	3	3	3	3	3	4	4	4	4	3	3	
South Texas	Asparagus, Broccoli, Carrots, Chayote, Cilantro, Cucumbers, Grapefruit, Limes, Mangos, Oranges, Papaya, Anaheim Peppers, Bell Peppers, Habanero Peppers, Jalapeno Peppers, Poblano Peppers, Serrano Peppers, Pineapples, Tomatillos, Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons	1	1	1	1	1	1	1	3	3	2	2	2	1	
Pacific Northwest (ID, OR, & WA)	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27	
Columbia Basin Washington	Potatoes, Dry Onions	3	2	2	2	2	2	2	2	2	3	3	3	3	
Idaho And Malheur County, Oregon	Dry Onions	3	2												
Upper Valley, Twin Falls-Burley District Idaho	Potatoes	3	2	2	2	2	2	2	2	2	3	3	3	3	
Yakima Valley And Wenatchee District, Washington	Apples, Cherries, Pears, Rhubarb, Asparagus	1	1	1	1	1	2	2	2	2	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 2, 2023

**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						
Southeast (GA, SC, & NC)	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27
<b>Eastern North Carolina</b>	Sweet Potatoes	4	4	3										
<b>Florida West And South Carolina District</b>	Cantaloupe, Tomatoes, Cherry Tomatoes, Grape Tomatoes, Plum Tomatoes, Watermelons										4	4	4	4
<b>South Georgia</b>	Round Green Beans, Cantaloupe, Sweet Corn, Cucumbers, Eggplant, Greens, Bell Peppers, Other Peppers, Watermelons, Cabbage, Squash										3	3	3	3
<b>Vidalia District Georgia</b>	Dry Onions			3	3	3	3	3	3	3	3		3	3
Texas and Oklahoma	Commodities	4/4	4/11	4/18	4/25	5/2	5/9	5/16	5/23	5/30	6/6	6/13	6/20	6/27
<b>Lower Rio Grande Valley, Texas</b>	Dry Onions		3	3	3	3	3	3	3					

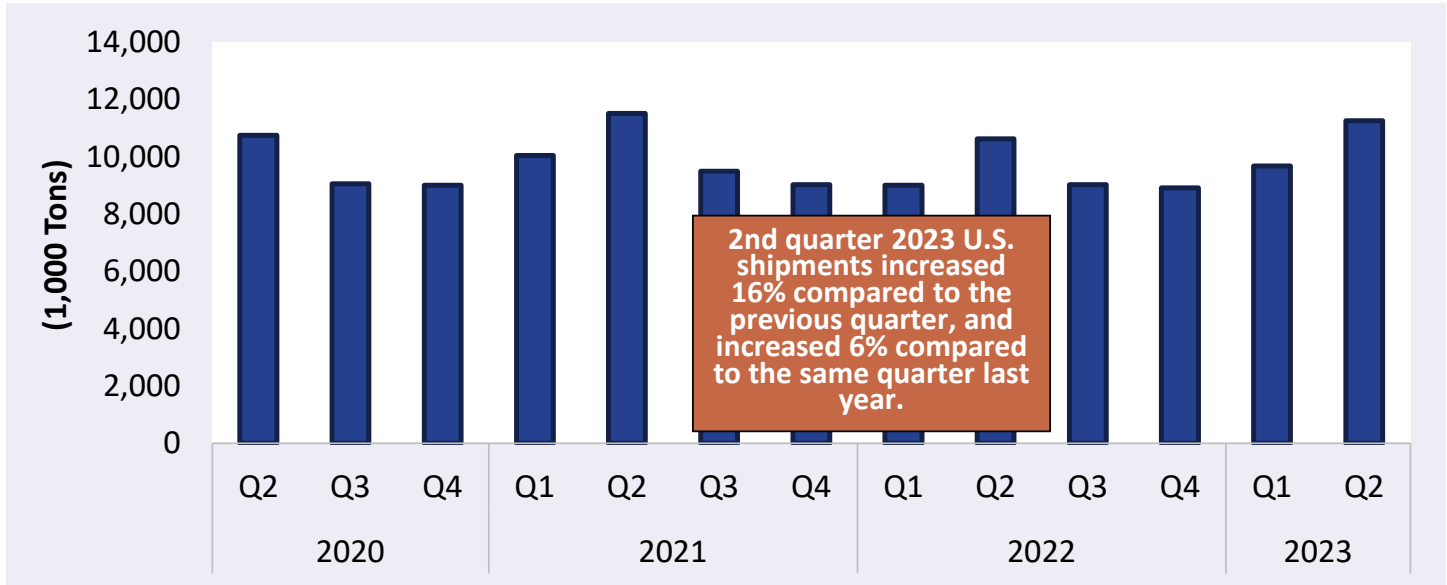
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

Note: Empty cells were not reported.



## 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
2023	9,685	11,265			20,950
2022	9,010	10,636	9,032	8,922	37,600
2021	10,051	11,520	9,498	9,034	40,103
2020	10,081	10,750	9,058	9,007	38,895
2019	9,381	10,246	8,687	8,714	37,028
2018	9,421	10,795	8,789	8,503	37,508
2017	8,072	9,642	8,479	8,267	34,459
2016	8,094	9,761	8,541	8,188	34,583
2015	8,118	9,630	8,324	7,771	33,842
2014	7,733	9,139	8,080	7,725	32,677
2013	7,451	8,972	7,762	7,527	31,712
2012	7,577	9,008	7,774	7,532	31,890
2011	7,007	8,981	7,887	7,988	31,863
2010	7,065	8,881	7,985	7,522	31,454
2009	7,158	8,728	7,990	7,270	31,147
2008	7,059	8,666	7,426	6,904	30,057
2007	6,959	8,585	7,475	7,099	30,118

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	2nd Quarter 2023	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
				Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	1,234	330	1,553	274%	-21%
Potatoes	1,128	1,133	1,127	> -1%	< 1%
Apples	674	710	722	-5%	-7%
Onions Dry	634	674	716	-6%	-12%
Oranges	583	739	443	-21%	32%
Strawberries	477	443	570	8%	-16%
Tomatoes	399	605	558	-34%	-28%
Lemons	394	355	333	11%	18%
Avocados	379	760	471	-50%	-20%
Cucumbers	376	677	602	-45%	-38%

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 2023 Volume	% Change from Last Quarter	% Change From Same Quarter Last Year
Mexico	3842	4%	14%
California	3015	59%	5%
PNW	1255	-16%	-5%
Florida	992	52%	6%
Southeast	510	577%	-21%
Canada	385	12%	-4%
Arizona	276	-61%	8%
Texas	263	123%	20%
Colorado	216	-4%	17%
Great Lakes	164	-16%	42%

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: Due to a lack of rate and availability data, Canada is excluded from the Regional Markets section of this report.



# REGIONAL MARKETS

## U.S.-Mexico Border

### Volume

Total reported shipments of fruit and vegetables from Mexico in second quarter 2023 were 3.84 million tons—14 percent higher than second quarter 2022 (year to year). The summed volume of the top five commodities shipped from the U.S.-Mexico border increased 16 percent year to year. All of the top five commodities saw year-to-year volume increases in the second quarter, including avocados (up 63 percent); tomatoes (up 12 percent); cucumbers (up 10 percent); seedless watermelons (up 5 percent); and plum tomatoes (up 2 percent).

### Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles from Arizona-Mexico border crossings was \$2.92 per mile—up 2 percent from first quarter 2023 to second quarter 2023 (quarter to quarter), and down 15 percent year to year. Rates for shipments between 501 miles and 1,500 miles from Texas-Mexico border crossings averaged \$2.90 per mile—down 6 percent quarter to quarter and down 17 percent year to year.

### Truck Overview

Diesel fuel prices for border crossings from Arizona averaged \$4.33 per gallon—down 7 percent quarter to quarter and down 23 percent year to year. Diesel fuel prices for border crossings from Texas averaged \$3.66 per gallon—down 11 percent quarter to quarter and down 29 percent year to year. Mexico crossings through Calexico and San Luis reported adequate truck availability in April and June, and a slight shortage of trucks in May. Mexico crossings through Nogales, AZ, reported adequate truck availability in April and May, and a slight shortage in June. Mexico crossings through South Texas reported a surplus of trucks in April and a slight surplus in May and June.

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

Commodity	2nd Quarter 2023	Share of Mexico-Total Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	365	10%	163	346	124%	5%
Avocados	324	8%	379	199	-14%	63%
Cucumbers	266	7%	313	242	-15%	10%
Tomatoes, Plum Type	264	7%	256	260	3%	2%
Tomatoes	197	5%	235	175	-16%	12%
<b>Top 5 Total</b>	<b>1,417</b>	<b>37%</b>	<b>1,346</b>	<b>1,223</b>	<b>5%</b>	<b>16%</b>
<b>Mexico Total</b>	<b>3,842</b>	<b>100%</b>	<b>3,677</b>	<b>3,366</b>	<b>4%</b>	<b>14%</b>

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

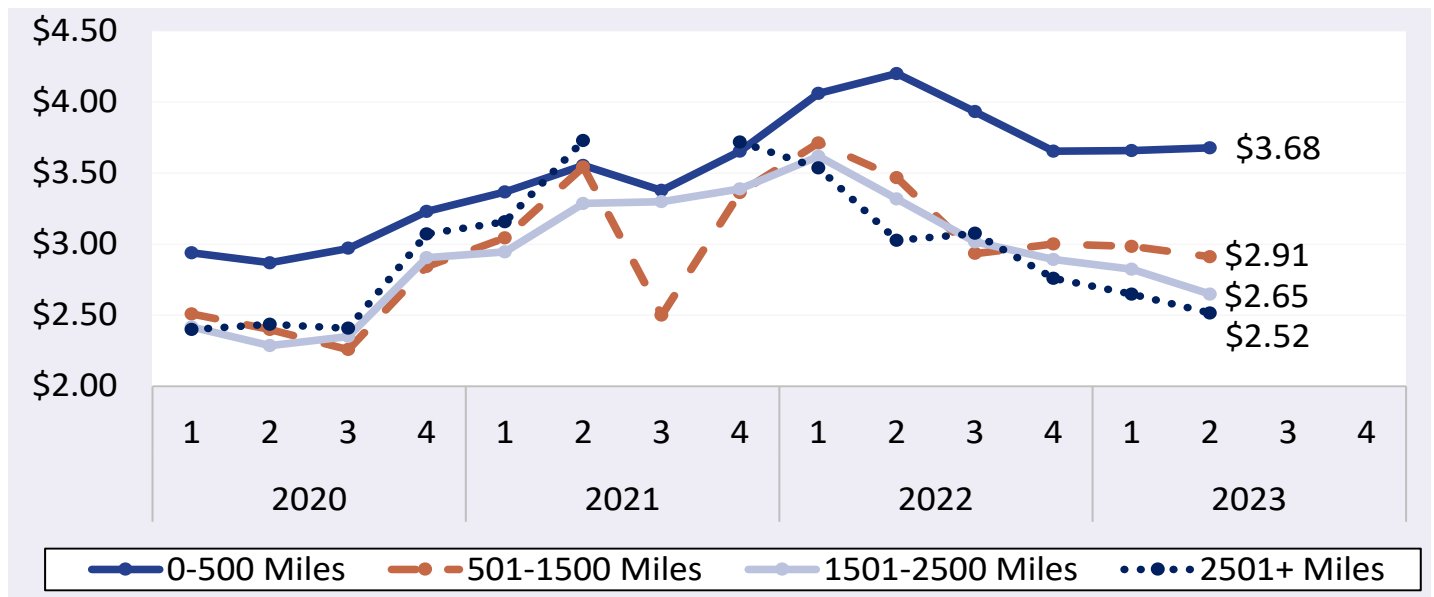
Quarter 2, 2023

**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 2023	Commodity	2nd Quarter 2023	Commodity	2nd Quarter 2023	Commodity	2nd Quarter 2023
Avocados	315	Strawberries	93	Watermelons, Seedless	304	Peppers, Other	8
Limes	161	Onions Green	56	Grapes	164	Misc Tropical	2
Mangoes	139	Misc Tropical	48	Cucumbers	137	Onions Dry	< 1
Tomatoes	117	Tomatoes, Plum Type	34	Tomatoes, Plum Type	129	Onions Green	< 1
Cucumbers	102	Asparagus	32	Squash	93		
<b>Mexico through TX Total</b>	<b>1,886</b>	<b>Mexico through CA Total</b>	<b>575</b>	<b>Mexico through AZ Total</b>	<b>1,372</b>	<b>Mexico through NM Total</b>	<b>10</b>

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)**



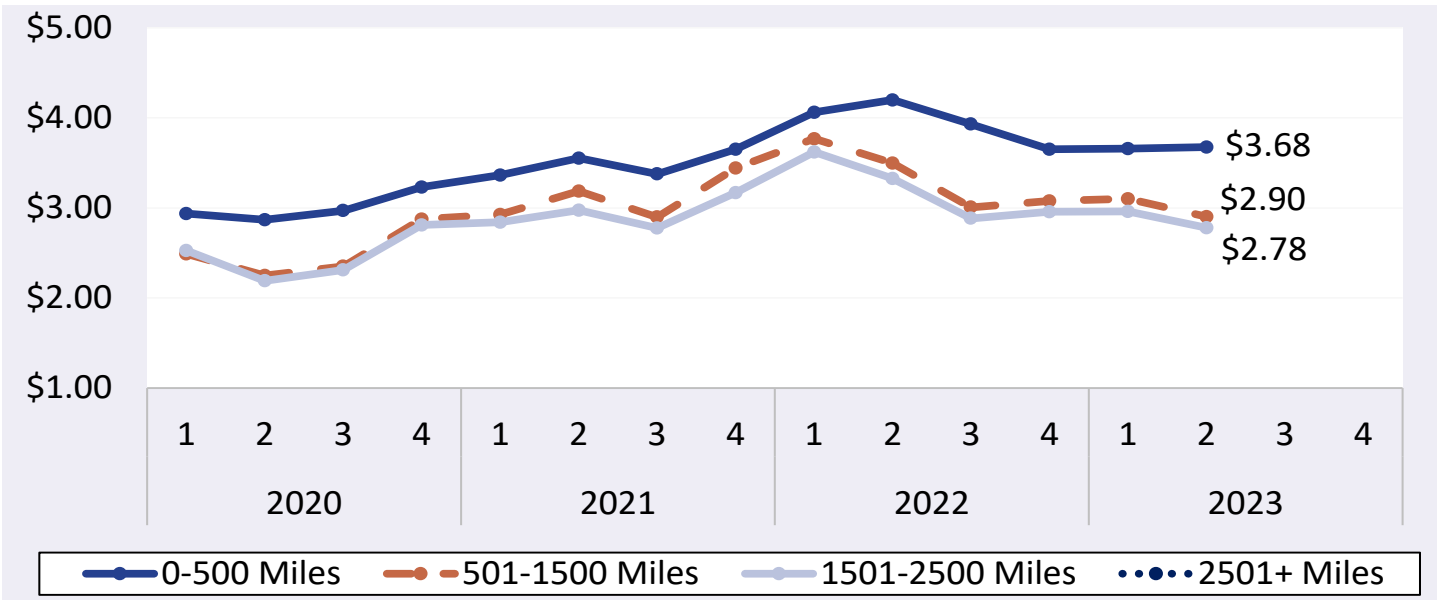
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.  
 Any gaps in the chart lines are the result of quarters with no reported data for the region.



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

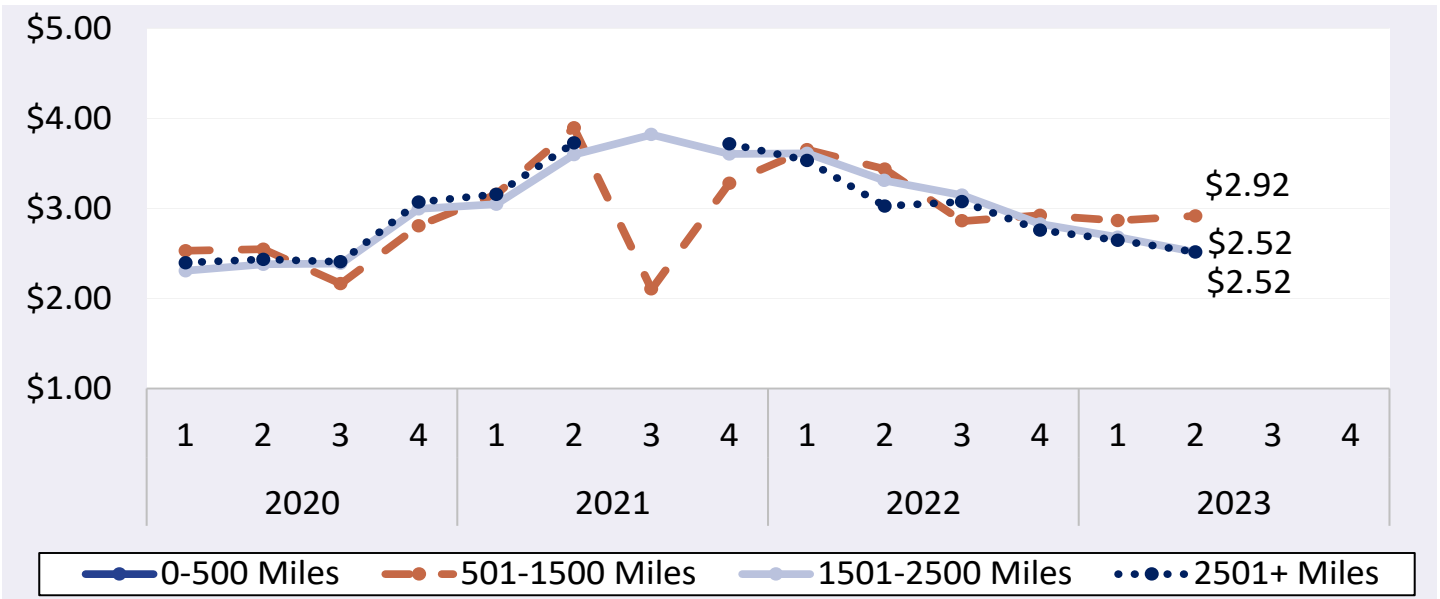
Quarter 2, 2023

**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, 2023

**Table 13: Truck Overview from the U.S.-Mexico Border  
(Availability Rating: 1=Surplus to 5=Shortage)**

Region/Reporting District	April	May	June	2nd Quarter
Imperial, Coachella Valleys Ca, Central And Western Az, Mexico Crossings Through Calexico And San Luis	3	3.6	3	3.2
Mexico Crossings Through Nogales, Arizona	3.25	3.36	3.5	3.37
Mexico Crossings Through South Texas	1	1.8	1.81	1.54
<b>Regional Average Availability</b>	<b>2.42</b>	<b>2.92</b>	<b>2.77</b>	<b>2.70</b>
<b>Diesel Fuel Price (\$/gallon), through Texas</b>	<b>3.87</b>	<b>3.62</b>	<b>3.5</b>	<b>3.66</b>
<b>Diesel Fuel Price (\$/gallon), through Arizona</b>	<b>4.45</b>	<b>4.40</b>	<b>4.15</b>	<b>4.33</b>

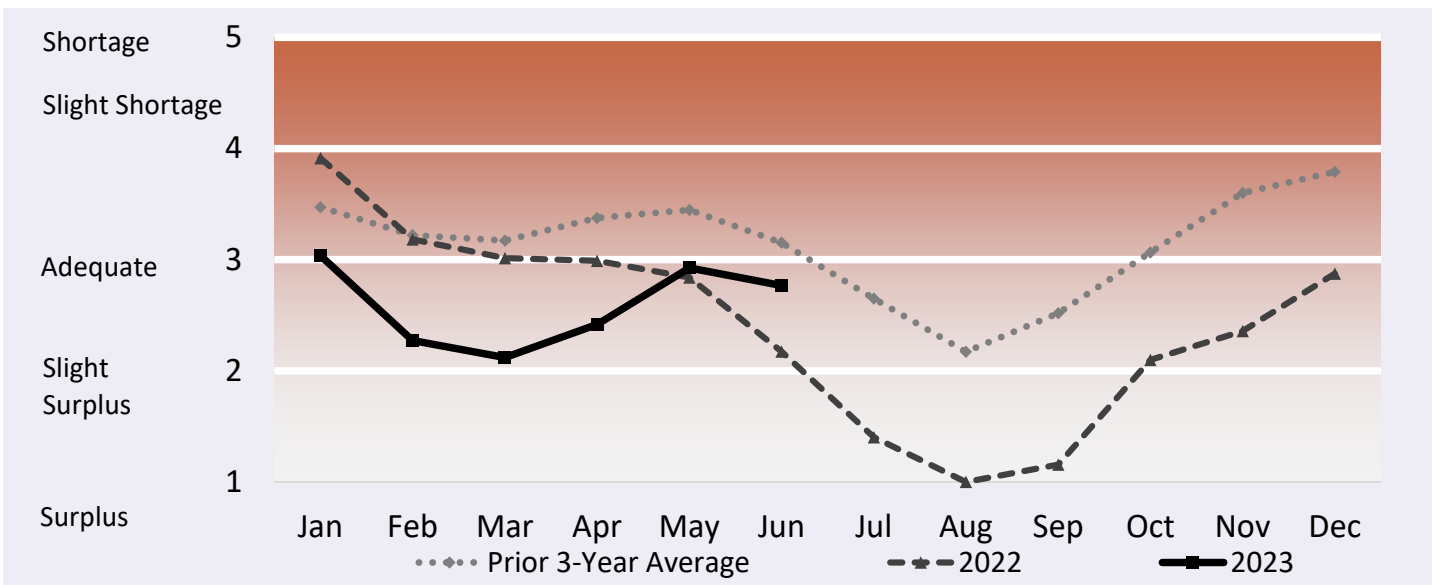
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.

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

In second quarter 2023, USDA reported total shipments of fruit and vegetables from California were 3.02 million tons—up 5 percent from second quarter 2022. The summed volume of the top five commodities shipped from California increased 26 percent year to year. Three of the top five commodities saw year-to-year volume increases, including tangerines (up 314 percent); oranges (up 41 percent); and lemons (up 18 percent). Shipments of romaine lettuce decreased 14 percent and shipments of strawberries decreased 8 percent.

### Rates

In second quarter 2023, truck rates for shipments between 501 miles and 1,500 miles averaged \$3.33 per mile. This was up 8 percent quarter to quarter and down 30 percent year to year.

### Truck Overview

Diesel fuel prices averaged \$4.86 per gallon—down 10 percent quarter to quarter and down 26 percent year to year. The South District reported adequate truck availability throughout the quarter. All other districts reported adequate truck availability in April and June, and a slight shortage of trucks in May.

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

Commodity	2nd Quarter 2023	Share of California Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Oranges	534	18%	651	379	-18%	41%
Lemons	389	13%	339	329	15%	18%
Strawberries	367	12%	33	396	1,024%	-8%
Tangerines	292	10%	346	71	-16%	314%
Lettuce, Romaine	236	8%	52	273	354%	-14%
<b>Top 5 Total</b>	<b>1,818</b>	<b>60%</b>	<b>1,420</b>	<b>1,448</b>	<b>28%</b>	<b>26%</b>
<b>California Total</b>	<b>3,015</b>	<b>100%</b>	<b>1,891</b>	<b>2,871</b>	<b>59%</b>	<b>5%</b>

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.

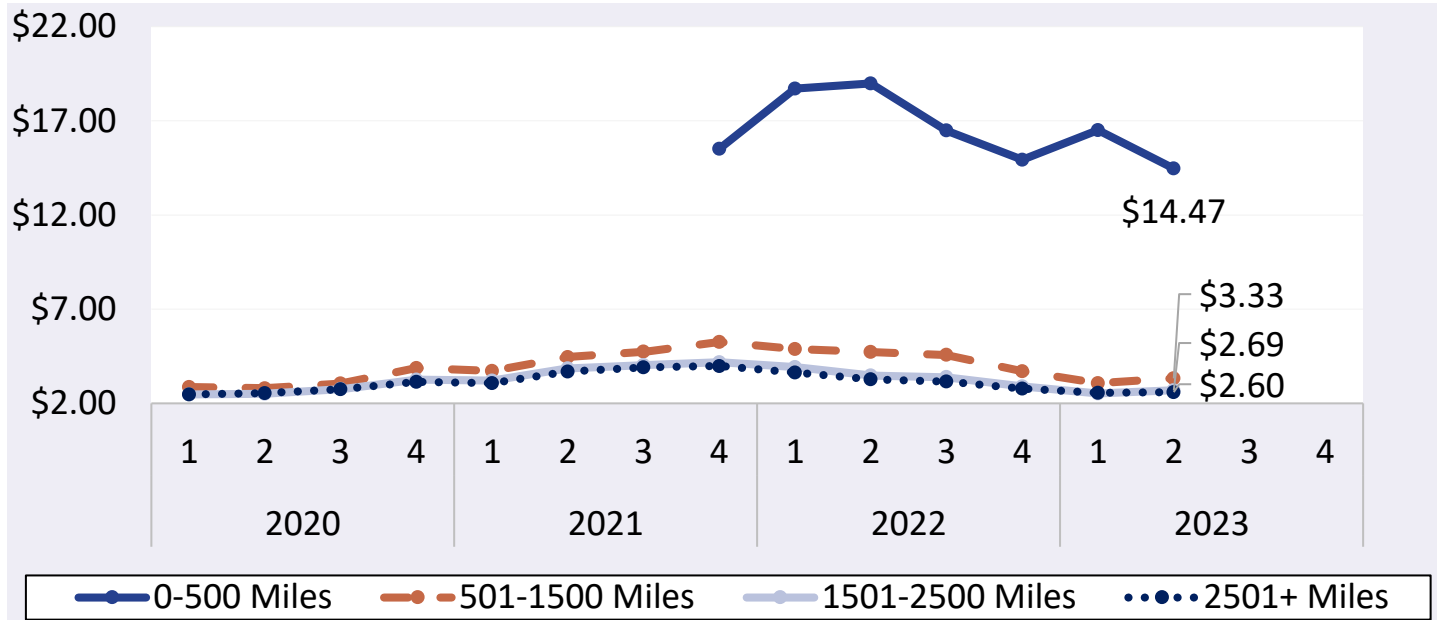
Note: Table values may not conform exactly due to rounding.



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**Figure 9: California Truck Rates (\$/Mile by Distance Travelled)**



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

**Table 15: California Truck Overview (Availability Rating: 1=Surplus to 5=Shortage)**

Region/Reporting District	April	May	June	2nd Quarter
Kern District California	3	3.6	3	3.2
Oxnard District California	3	3.6	3	3.2
Salinas-Watsonville California	3	3.6	3.25	3.28
Santa Maria California	3	3.6	3	3.2
South District California	3	3	3	3
<b>Regional Average Availability</b>	3	3.48	3.05	3.18
<b>Diesel Fuel Price (\$/gallon)</b>	4.99	4.84	4.76	4.86

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

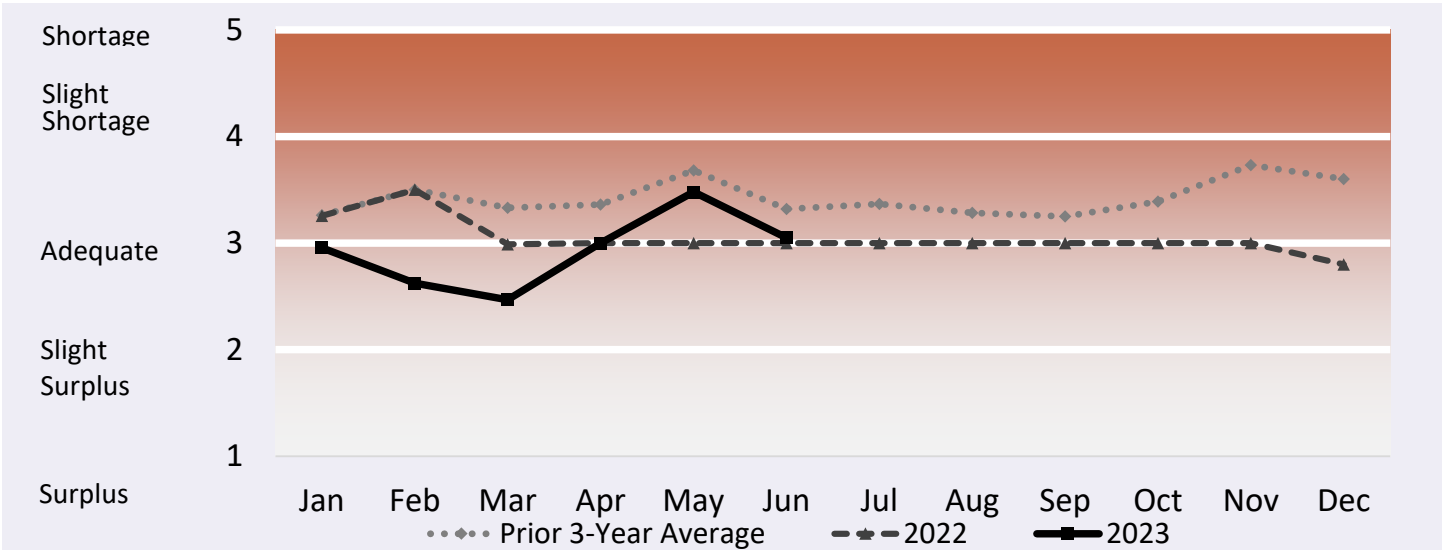
Any "-" in the table indicates no reported shipments during the quarter.

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

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



**Figure 10: Refrigerated Truck Availability Monthly Ratings for California**



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



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

## PNW

### Volume

In second quarter 2023, total reported shipments of fruit and vegetables from PNW were 1.26 million tons, down 5 percent year to year. The summed volume of the top five commodities shipped from PNW also decreased 5 percent year to year. Three of the top five commodities saw year-to-year volume decreases, including apples (down 14 percent); pears (down 12 percent); and potatoes (down 6 percent). Shipments of cherries increased 57 percent, and shipments of dry onions increased 40 percent.

### Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.49 per mile – down 22 percent quarter to quarter and down 13 percent year to year.

### Truck Overview

Diesel fuel prices averaged \$4.33 per gallon—down 7 percent quarter to quarter and down 23 percent year to year. The Columbia Basin district reported a slight surplus of trucks in April and May, and adequate truck availability in June. The Idaho and Malheur County district reported adequate truck availability in April, and did not report in May or June. The Twin Falls-Burley district reported adequate truck availability in April and June, and a slight surplus of trucks in May. The Yakima Valley and Wenatchee district reported a surplus of trucks in April, a slight surplus in May, and adequate availability in June.

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

Commodity	2nd Quarter 2023	Share of PNW Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Apples	571	46%	575	664	-1%	-14%
Potatoes	413	33%	429	440	-4%	-6%
Onions Dry	150	12%	363	107	-59%	40%
Pears	69	5%	126	78	-46%	-12%
Cherries	49	4%	-	31	-	57%
<b>Top 5 Total</b>	<b>1,252</b>	<b>100%</b>	<b>1,493</b>	<b>1,320</b>	<b>-16%</b>	<b>-5%</b>
<b>PNW Total</b>	<b>1,255</b>	<b>100%</b>	<b>1,493</b>	<b>1,323</b>	<b>-16%</b>	<b>-5%</b>

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.

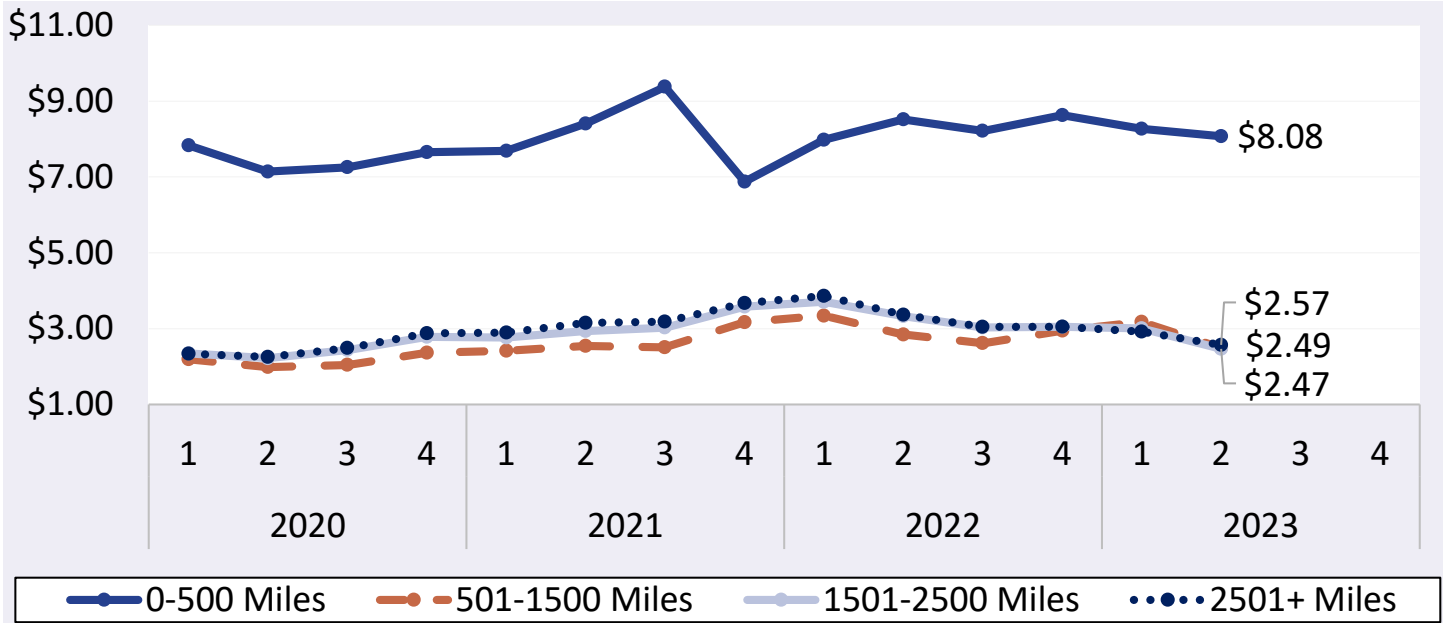
Note: Table values may not conform exactly due to rounding.



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**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	2.25	2	3	2.42
Idaho And Malheur County, Oregon	2.5	-	-	2.5
Upper Valley, Twin Falls-Burley District Idaho	2.5	2.33	3	2.61
Yakima Valley And Wenatchee District, Washington	1	1.8	2.5	1.77
<b>Regional Average Availability</b>	2.06	2.04	2.83	2.31
<b>Diesel Fuel Price (\$/gallon)</b>	4.45	4.40	4.15	4.33

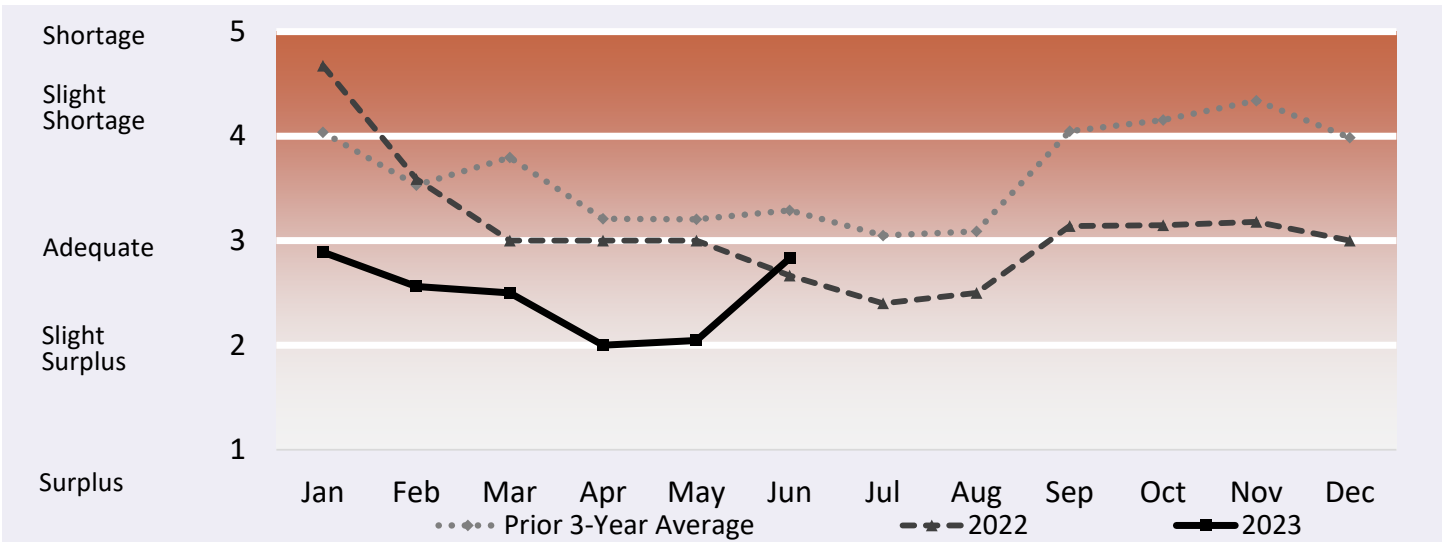
Source: AMS Transportation Services Division analysis of AMS Specialty Crops Program Market News data.  
Any "-" in the table indicates no reported shipments during the quarter.  
Note: Table values may not conform exactly due to rounding.  
Note: AMS Specialty Crops Program defines regions by commodity,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



# AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

## Quarter 2, 2023

**Figure 12: Refrigerated Truck Availability Monthly Ratings for PNW**



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



## Florida

### Volume

During second quarter 2023, total reported shipments of fruit and vegetables from Florida were 992,000 tons—up 6 percent from second quarter 2022. The summed volume of the top five commodities shipped from Florida increased 12 percent year to year. All of the top five commodities saw year-to-year volume increases in the second quarter, including seeded watermelons (up 44 percent); sweet corn (up 17 percent); seedless watermelons (up 12 percent); potatoes (up 10 percent); and tomatoes (up 2 percent).

### Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$2.67 per mile—up 13 percent quarter to quarter and down 23 percent year to year.

### Truck Overview

Diesel fuel prices averaged \$3.86 per gallon—down 13 percent quarter to quarter and down 29 percent year to year. The Central and South Florida district reported adequate truck availability in April, and a slight shortage of trucks in May and June. The Florida district reported adequate availability for April and May, and did not report in June. The Florida West and South Carolina district did not report in April and May, and reported a slight shortage of trucks in June.

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

Commodity	2nd Quarter 2023	Share of Florida Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
<b>Watermelons, Seedless</b>	462	47%	4	413	12,388%	12%
<b>Tomatoes</b>	102	10%	101	100	1%	2%
<b>Corn-Sweet</b>	97	10%	62	82	57%	17%
<b>Potatoes</b>	82	8%	49	75	69%	10%
<b>Watermelons, Seeded</b>	52	5%	< 1	36	-	44%
<b>Top 5 Total</b>	<b>795</b>	<b>80%</b>	<b>215</b>	<b>707</b>	<b>270%</b>	<b>12%</b>
<b>Florida Total</b>	<b>992</b>	<b>100%</b>	<b>651</b>	<b>940</b>	<b>52%</b>	<b>6%</b>

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.

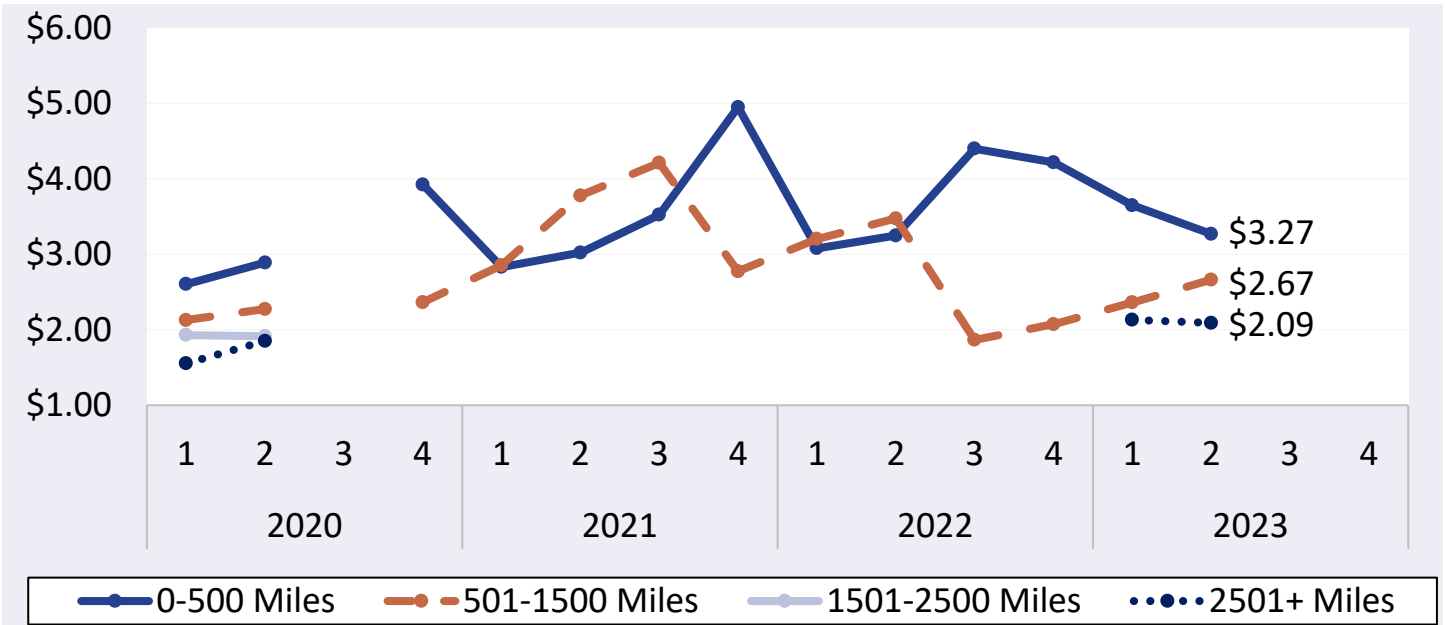
Note: Table values may not conform exactly due to rounding.



## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**Figure 13: Florida Truck Rates (\$/Mile by Distance Travelled)**



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

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

Region/Reporting District	April	May	June	2nd Quarter
Central And South Florida	3.29	3.73	3.67	3.56
Florida	3	3	-	3
Florida West And South Carolina District	-	-	3.67	3.67
Regional Average Availability	3.15	3.37	3.67	3.39
Diesel Fuel Price (\$/gallon)	4.05	3.82	3.73	3.86

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

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

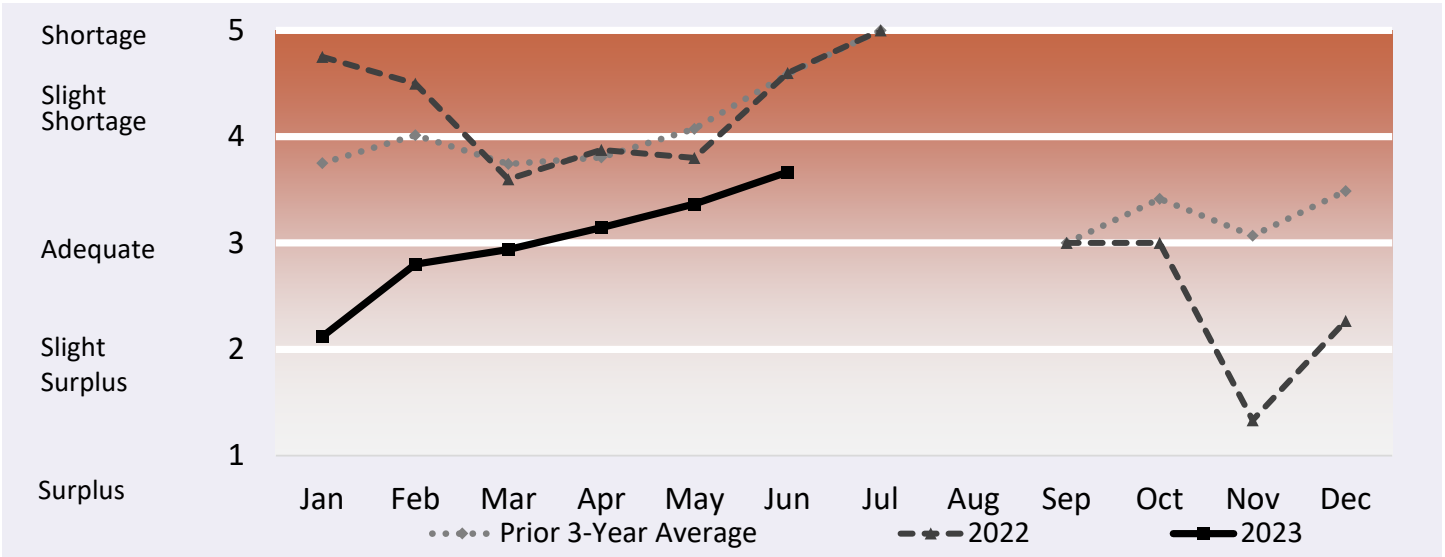
Note: Table values may not conform exactly due to rounding.

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





**Figure 14: Refrigerated Truck Availability Monthly Ratings for Florida**



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



## Southeast

### Volume

Total reported shipments of fruit and vegetables from Southeast in second quarter 2023 were 510,000 tons, down 21 percent year to year. The summed volume of the top five commodities shipped from Southeast also decreased 21 percent year to year. Volumes for four of the top five commodities decreased year to year, including sweet potatoes (down 58 percent); seedless watermelons (down 20 percent); sweet corn (down 16 percent); and dry onions (down 11 percent). Shipments of blueberries increased 30 percent.

### Rates

The quarterly average truck rate for shipments between 501 miles and 1,500 miles was \$3.80 per mile—down 30 percent quarter to quarter and down 23 percent year to year.

### Truck Overview

Diesel fuel prices averaged \$3.86 per gallon—down 13 percent quarter to quarter and down 29 percent year to year. The Eastern North Carolina district reported a slight shortage of trucks in April, and did not report in May or June. The Florida West and South Carolina district did not report in April and May, and reported a slight shortage of trucks in June. The South Georgia district did not report in April and May, and reported adequate truck availability in June. The Vidalia district reported adequate truck availability throughout the quarter.

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

Commodity	2nd Quarter 2023	Share of Southeast Total	Previous Quarter	Same Quarter Last Year	Current Quarter as % change from:	
					Previous Qtr	Same Qtr Last Year
Watermelons, Seedless	203	40%	-	253	-	-20%
Onions Dry	70	14%	-	79	-	-11%
Blueberries	30	6%	-	23	-	30%
Corn-Sweet	28	6%	-	34	-	-16%
Sweet Potatoes	28	6%	53	66	-47%	-58%
<b>Top 5 Total</b>	<b>360</b>	<b>71%</b>	<b>53</b>	<b>455</b>	<b>578%</b>	<b>-21%</b>
<b>Southeast Total</b>	<b>510</b>	<b>100%</b>	<b>75</b>	<b>648</b>	<b>577%</b>	<b>-21%</b>

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.

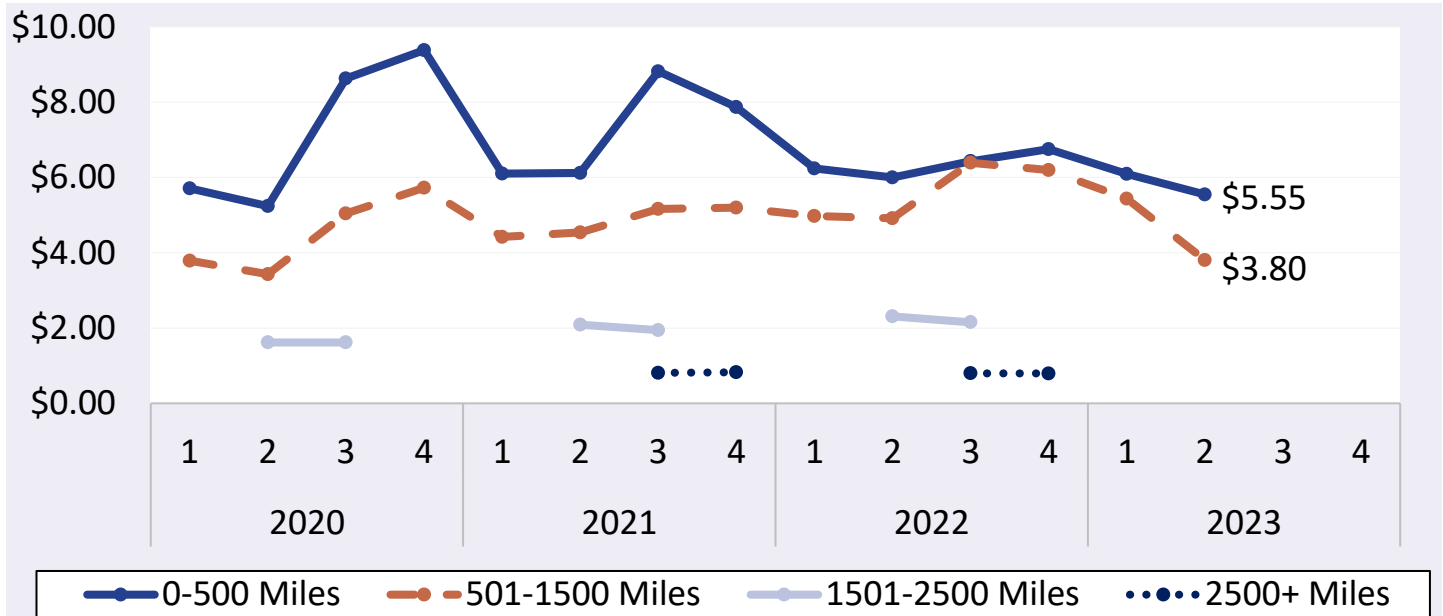
Note: Table values may not conform exactly due to rounding.



## AGRICULTURAL REFRIGERATED TRUCK QUARTERLY

Quarter 2, 2023

**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	3.67	-	-	3.67
Florida West And South Carolina District	-	-	3.67	3.67
South Georgia	-	-	3	3
Vidalia District Georgia	3	3	3	3
<b>Regional Average Availability</b>	3.33	3	3.22	3.19
<b>Diesel Fuel Price (\$/gallon)</b>	4.05	3.82	3.73	3.86

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

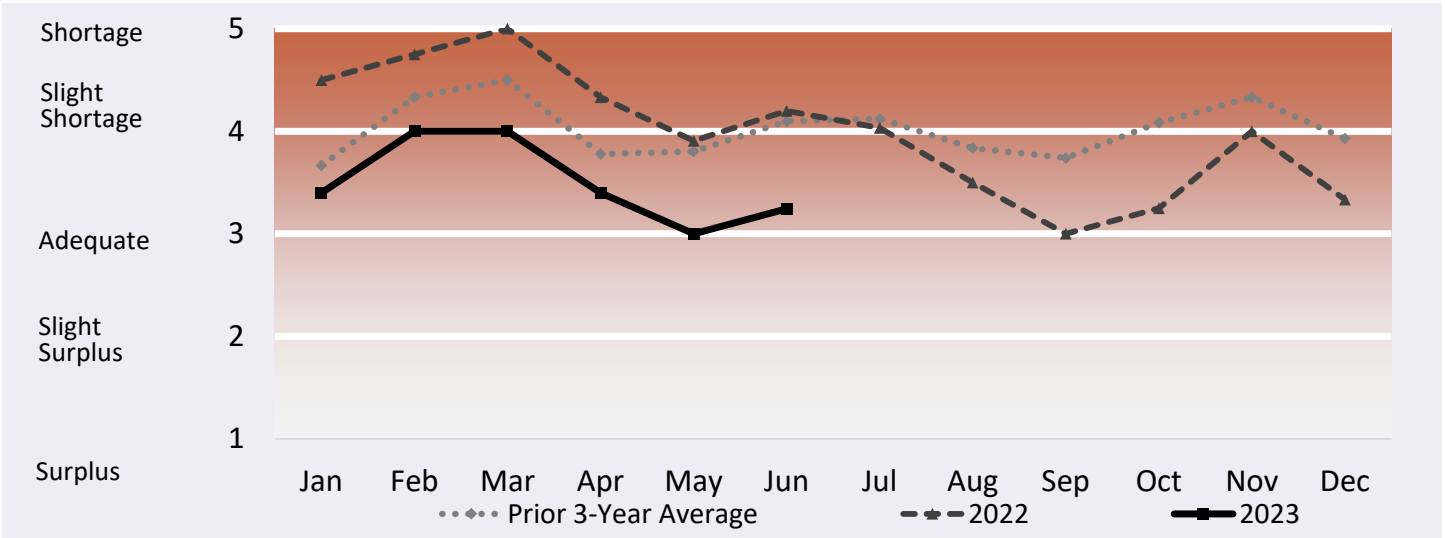
Any "-" in the table indicates no reported shipments during the quarter.

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 Southeast**



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



# ADDITIONAL INFORMATION

## Terms and References

### Data Reporting and Publication Window

The publication date of each Agricultural Refrigerated Truck Quarterly (AgRTQ) depends on the timing of data reporting. Reporting of truck shipments in some regions can be delayed 2-3 months past their respective quarter. We publish the AgRTQ one month after that lag in order to capture a more complete picture of truck shipments during the quarter.

### Data Sources

This information is compiled from the weekly Specialty Crops Truck Rate Report by USDA, Agricultural Marketing Service (AMS), Specialty Crops Program, Market News Division. The website is:

<https://www.marketnews.usda.gov/mnp/fv-home>.

### Regional Markets

For the regional markets, some States are grouped into producing regions. The Pacific Northwest region includes Idaho, Oregon, and Washington. The Great Lakes region includes Michigan, Minnesota, and Wisconsin. The Southeast region includes North Carolina, South Carolina and Georgia.

### Shipment Volumes

Truck shipments for all commodities and origins are not available. Those obtainable are reported, but should not be interpreted as representing complete movements of a commodity. Truck shipments from all States are collected at shipping points and include both interstate and intrastate movements. They are obtained from various sources, including Federal marketing orders, administrative committees, Federal State Inspection Service, and shippers. Volume amounts are represented in 10,000 pound units, or 1,000 10-lb packages but are converted to 1,000 tons for this report. Mexican border crossings through Arizona and Texas data is obtained from the Department of Homeland Security (DHS), U.S. Customs and Border and Protection (CBP) through USDA, AMS, Market News.

### Rates

This information is compiled from the weekly Specialty Crops Truck Rate Report. Rates quoted represent open (spot) market rates that shippers or receivers pay depending on basis of sale, per load, including truck brokers fees for shipments in truck load volume to a single destination. Extra charges for delivery to terminal markets, multipickup and multidrop shipments are not included unless otherwise stated. Rates are based on the most usual loads in 48-53 foot trailers from the origin shipping area to the destination receiving city. In areas where rates are based on package rates, per load rates were derived by multiplying the package rate by the number of packages in the most usual load in a 48-53 foot trailer. Slightly cheaper rates will be reported during Quarters 2 and 3 as about 50 percent of onion shipments from California are hauled on open flatbed trailers. During Quarter 3, less than 20 percent of onions hauled from Washington, Idaho, and Oregon are on open flatbeds.

### Regional Rates

Rate data for 10 destination markets are used to calculate average origin regional rates.

### National Rates

The national rates reflect the average of the regional rates, separated by mileage category and weighted by volume between origin and destination.



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### Related Websites

USDA's Agricultural Transportation Open Data Platform

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

Specialty Crops Program

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

Specialty Crops Truck Rate Report

[https://mymarketnews.ams.usda.gov/filerepo/reports?field\\_slug\\_id\\_value=2375](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](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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