

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

COMMODITY	U.S. GRADE STANDARDS	DAYS SINCE SHIPMENT	% OF DEFECTS ALLOWED	OPTIMUM TRANSIT TEMP (F)‡	CHILLING INJURY?
A back to top					
Anise, Sweet	10-1	5	15-3	32-36‡	
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		
back to top					
Apples	10-5-1	5	15-8-3	30-32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Apricots	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Artichokes	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		

		1	10-2		
back to top					
Asparagus*	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Avocados	10-5-1	5	15-8-3	40-55	Yes
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
B back to top					
Bananas	No Stds.			56-58	Yes
back to top					
Beans, Fava	No Stds.	5	15-3	32 [‡]	
		4	14-3		
		3	12-2		
		2	11-1		
		1	10-1		
back to top					
Beans, Lima	10-5-1	5	15-8-3	41-43	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		

		1	10-5-1		
back to top					
Beans, Snap*	13-5-1	5	18-8-3	40-45	Yes
		4	17-8-3		
		3	16-7-2		
		2	15-6-1		
		1	13-5-1		
back to top					
Beets*	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Blackberries & Dewberries	10-5-1	5	15-8-3	31-32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Blueberries*	12-6-2 (Destination)	5	15-8-3	31-32	
		4	14-8-3		
		3	13-7-2		
		2	13-6-2		
		1	12-6-2		
back to top					

Broccoli*	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Brussels Sprouts*	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Cabbage*	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Cantaloupes	12-6-2 (Destination)	5	15-8-5	36-41	Yes
		4	14-8-4		
		3	13-7-3		
		2	13-6-2		
		1	12-6-2		

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Carrots, Bunched*	10-5-1	5	15-8-3	32	
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		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Carrots, Topped*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Carrots, Trimmed Tops *	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Cauliflower*	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Celery *	10-2	5	15-4	32	
		4	14-4		

		3	13-3		
		2	11-2		
		1	10-2		

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Cherries, Sweet (US #1)*	12-6-2 (destination)	5	15-8-3	30-32	
		4	14-8-3		
		3	13-7-2		
		2	13-6-2		
		1	12-6-2		

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Cherries, Sweet (Wash. #1)	24-6-2	5	30-8-3	32	
		4	29-8-3		
		3	27-7-2		
		2	26-6-2		
		1	24-6-2		

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Corn*	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Cranberries*	7-5 (En Route)	5	12-7	36-40	
		4	11-7		
		3	10-6		

		2	8-5		
		1	7-5		

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Cucumbers*	10-1	5	15-3	50-55	Yes
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Eggplant	10-1	5	15-3	46-54	Yes
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Endive, Escarole, Chicory	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Garlic	10-2	5	15-4	32-34	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Grapes, American Type*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Grapes, European Type*	12-4-1 (Destination)	5	15-6-3	31	
		4	14-6-3		
		3	13-5-2		
		2	13-5-1		
		1	12-4-1		
back to top					
Grapes, Juice*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Grapes, Muscadine*	10-5-2	5	15-8-4	34-36	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Grapefruit, Florida*	12-[7 vsd]-3 (Destination)	5	15-[8 vsd]-5	50-60	Yes
		4	15-[8 vsd]-5		
		3	14-[8 vsd]-4		
		2	13-[7 vsd]-4		
		1	12-[7 vsd]-3		

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Grapefruit, Texas*	See Stds.	5	15-[8 vsd]-4	50-60	
		4	14-[8 vsd]-4		
		3	13-[7 vsd]-3		
		2	12-[6 vsd]-2		
		1	10-[5 vsd]-2		

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Grapefruit, CA and AZ*	12-[7 vsd]-3 (Destination)	5	15-[8 vsd]-5	58-60	
		4	15-[8 vsd]-5		
		3	14-[8 vsd]-4		
		2	13-[7 vsd]-4		
		1	12-[7 vsd]-3		

back to top					
Greens, Beet*	10-5-1	5	15-8-3	32‡	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Greens, Broccoli & Collard	10-5-2	5	15-8-4	32‡	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Greens, Dandelion*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Greens, Mustard & Turnip*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Horseradish Root*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Kale	10-1	5	15-3	32	
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Kiwifruit*	12-6-2 (Destination)	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	13-6-2		
		1	12-6-2		

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Lemons*	12-7-3 (Destination)	5	15-8-5	45-55	
		4	15-8-5		
		3	14-8-4		
		2	13-7-4		
		1	12-7-3		

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Lettuce, Leaf	12-6-3	5	15-9-5	32	
		4	15-8-4		
		3	14-7-4		
		2	13-7-3		
		1	12-6-3		
back to top					
Lettuce, Head (Iceberg)		All	15-9-5	32	
back to top					
Limes*	10-5-3 (Destination)	5	15-8-5	48-50	Yes
		4	14-8-5		
		3	13-7-4		
		2	11-6-3		
		1	10-5-3		
M back to top					
Mangoes	10-5-2	5	15-8-4	55	Yes
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Melons, Honeydew	10-5-1	5	15-8-3	45-50	Yes
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Mushrooms*	5-1	5	8-2	32	
		4	8-2		
		3	7-2		
		2	6-1		
		1	5-1		
N back to top					
Nectarines*	12-6-2 (Destination)	5	15-8-3	31-32	
		4	14-8-3		
		3	13-7-2		
		2	13-6-2		
		1	12-6-2		
O back to top					
Okra	10-5-1	5	15-8-3	45-50	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Onions, Grano/Granex*	10-2	5	15-4	32	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		
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Onions, Other Than*	5-2	5	8-4	32	
		4	8-3		
		3	7-3		
		2	6-2		
		1	5-2		

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Onions, Green*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Onions, Creole	10-2	5	15-4		
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		

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Oranges, Florida*	12-[7 vsd]-3 (Destination)	5	15-[8 vsd]-5	32-34	
		4	15-[8 vsd]-5		
		3	14-[8 vsd]-4		
		2	13-[7 vsd]-4		
		1	12-[7 vsd]-3		

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Oranges, Texas	See Stds.	5	15-[8 vsd]-5	32-34	
		4	14-[8 vsd]-5		
		3	13-[7 vsd]-4		
		2	11-[6 vsd]-3		
		1	10-[5 vsd]-3		
back to top					
Oranges, CA and AZ	12-7-3 (Destination)	5	15-8-5	38-48	Yes
		4	15-8-5		
		3	14-8-4		
		2	13-7-4		
		1	12-7-3		
P back to top					
Parsley	5-1	5	8-3	32	
		4	8-3		
		3	7-2		
		2	6-2		
		1	5-1		
back to top					
Parsnips	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		

		1	10-5-1		
back to top					
Peas	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Peas Pods	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	11-6-2		
		1	10-5-2		
back to top					
Peaches*	14-7-2 (Destination)	5	17-8-4	31-32	
		4	16-8-3		
		3	15-8-3		
		2	14-7-2		
		1	14-7-2		
back to top					
Pears, All Types*	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					

Peppers, Sweet and all others*	10-5-2	5	15-8-4	45-55	Yes
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Pineapple*	See Stds.	5	15-8-4	50-55 (grn.) 45 (ripe)	Yes
		4	14-8-4		
		3	13-7-3		
		2	13-6-2		
		1	12-6-2		
back to top					
Plums & Prunes (Italian)	See Stds.				
back to top					
Plums, All Other Types*	12-6-2 (Destination)	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	13-6-2		
		1	12-6-2		
back to top					
Potatoes, Seed	See Stds.				
back to top					
Potatoes, Table*	8-[5 int., 5 ext]-1	5	14-[10 int., 10 ext]-3	50-60 early 40-50 late	Yes

	10-[7 int., 7 ext]-2 (Destination)	4	13-[10 int., 10 ext]-3		
		3	12-[9 int., 9 ext]-3		
		2	11-[8 int., 8 ext.]-2		
		1	10-[7 int., 7 ext.]-2		

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Radishes	10-1	5	15-3	32	
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Raspberries	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Rhubarb*	10-1	5	15-3	32	
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Romaine	10-5-2	5	15-8-4	32	
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		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Shallots*	10-5-2	5	15-8-4	32	
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

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Spinach, Plants	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		

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Spinach, Leaves	10-1	5	15-3	32	
		4	14-3		
		3	13-2		
		2	11-1		
		1	10-1		

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Spinach, Bunched	12-6-3	5	18-9-5	32	
		4	17-9-5		
		3	16-8-4		

		2	14-7-4		
		1	12-6-3		
back to top					
Squash, Summer Types	10-5-1	5	15-8-3	41-50	Yes
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Squash, Winter Types	10-2	5	15-4	50-55	
		4	14-4		
		3	13-3		
		2	11-2		
		1	10-2		
back to top					
Strawberries	10-5-2	5	15-8-3	32	
		4	14-8-3		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		
back to top					
Sweet Potatoes	10-5-2	5	15-8-4	55-60	Yes
		4	14-8-4		
		3	13-7-3		
		2	12-6-2		
		1	10-5-2		

T back to top					
Tangerines, Florida*	12-[7 vsd]-3 (Destination)	5	15-[8 vsd]-5	40	
		4	15-[8 vsd]-5		
		3	14-[8 vsd]-4		
		2	13-[7 vsd]-4		
		1	12-[7 vsd]-3		
back to top					
Tangerines, Other*	12-[7 vsd]-3 (Destination)	5	15-[8 vsd]-5	40	
		4	15-[8 vsd]-5		
		3	14-[8 vsd]-4		
		2	13-[7 vsd]-4		
		1	12-[7 vsd]-3		
back to top					
Tomatoes, Greenhouse	10-5-1	5	15-8-3		
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
back to top					
Tomatoes, Fresh & Cherry	15-[10 SDA][10	5	20-[15 SDA][15	46-50 pink 55-70 gm.	Yes

	other]-[5 vsd]-5 (Destination)		other][8 vsd]-8		
		4	19-[14 SDA][14 other][8 vsd]-8		
		3	18-[13 SDA][13 other][7 vsd]-7		
		2	17-[11 SDA][11 other][6 vsd]-6		
		1	15-[10 SDA][10 other][5 vsd]-5		
back to top					
Tomatoes on the Vine	10-5-2	5	15-8-4		
		4	14-8-4		
		3	13-7-3		
		2	11-6-2		
		1	10-5-2		
	Vines (separate tolerance)				
	10-5	5	15-8		
		4	14-8		
		3	13-7		
		2	11-6		
		1	10-5		

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Turnips*	10-5-1	5	15-8-3	32	
		4	14-8-3		
		3	13-7-2		
		2	11-6-1		
		1	10-5-1		
W back to top					
Watermelon*	10-5-2 (Destination)	5	15-8-4	50-60	
		4	14-8-4		
		3	13-7-3		
		2	11-6-2		
		1	10-5-2		

* = Additional Tolerances Apply!

† = Unless otherwise noted, all temperature data cited is from USDA's Handbook Number 669, "Protecting Perishable Foods During Transport by Truck" (September 1995). Available at: <https://www.ams.usda.gov/sites/default/files/media/TransportPerishableFoodsbyTruck%5B1%5D.pdf>

‡ = University of California – Davis, [Produce Information](#), "Properties and Recommended Conditions for Storage of Fresh Fruits and Vegetables."
http://postharvest.ucdavis.edu/Commodity_Resources/Storage_Recommendations/