

Optimal Fruit & Vegetable Storage

Temperature & Humidity

Commodity	Temperature (°F)	Rel. humidity (percent)	Approximate storage life	Freezing point (°F)	
		Fruits			
Apples	30–40	90–95	1–12 months	29.3	
Apricots	31–32	90–95	1–3 weeks	30.1	
Berries					
— Blackberries	31–32	90–95	2–3 days	30.5	
— Currants	31–32	90–95	1–4 weeks	30.2	
— Elderberries	31–32	90–95	1–2 weeks	_	
— Gooseberries	31–32	90–95	3–4 weeks	30	
— Raspberries	31–32	90–95	2–3 days	30	
— Strawberries	32	90–95	3–7 days	30.6	
— Cherries, sour	32	90–95	3–7 days	29	
Cherries, sweet	30–31	90–95	2–3 weeks	28.8	
Grapes, American	31–32	85	2–8 weeks	29.7	
Nectarines	31–32	90–95	2–4 weeks	30.4	
Peaches	31–32	90–95	2–4 weeks	30.3	
Pears	29–31	90–95	2–7 months	29.2	
Plums and prunes	31–32	90–95	2–5 weeks	30.5	
Quinces	31–32	90	2–3 months	28.4	
Vegetables					
Artichokes, Jerusalem	31–32	90–95	4–5 months	28	
Asparagus	32–35	95–100	2–3 weeks	30.9	
Beans, dry	40–50	40–50	6–10 months	_	

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Prepared by: Alfred Smith's Farm, Hibbing, MN - AlfredSmithsFarm.com

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Beans green or snap	40–45	95	7–10 days	30.7
Beans, lima	37–41	95	5–7 days	31
Beans, sprouts	32	95–100	7–9 days	_
Beets, bunched	32	98–100	10–14 days	31.3
Beets, topped	32	98–100	4–6 months	30.3
Broccoli	32	95–100	10–14 days	30.9
Brussels, sprouts	32	95–100	3–5 weeks	30.5
Cabbage, early	32	98–100	3–6 weeks	30.4
Cabbage, late	32	98–100	5–6 months	30.4
Cabbage, Chinese	32	95–100	2–3 months	_
Carrots, bunched	32	95–100	2 weeks	_
Carrots, mature	32	98–100	7–9 months	29.5
Carrots, immature	32	98–100	4–6 weeks	29.5
Cauliflower	32	95–98	3–4 weeks	30.6
Celeriac	32	97–99	6–8 months	30.3
Celery	32	98–100	2–3 months	31.1
Chard	32	95–100	10–14 days	—
Chicory, witloof	32	95–100	2–4 weeks	—
Collards	32	95–100	10–14 days	30.6
Corn, sweet	32	95–98	5–8 days	30.9
Cucumbers	50–55	95	10–14 days	31.1
Eggplant	46–54	90–95	1 week	30.6
Endive and escarole	32	95–100	2–3 weeks	31.9
Garlic	32	65–70	6–7 months	30.5
Greens, leafy	32	95–100	10–14 days	
Horseradish	30–32	98–100	10–12 months	28.7
Jicama	55–65	65–70	1–2 months	
Kale	32	95–100	2–3 weeks	31.1

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Kohlrabi	32	98–100	2–3 months	30.2
Leeks	32	95–100	2–3 months	30.7
Lettuce	32	98–100	2–3 weeks	31.7
Melons				
— Cantaloupe (3/4 slip)	36–41	95	15 days	29.9
— Cantaloupe (full slip)	32–36	95	5–14 days	29.9
— Casaba	50	90–95	3 weeks	30.1
— Crenshaw	45	90–95	2 weeks	30.1
— Honey Dew	45	90–95	3 weeks	30.3
— Persian	45	90–95	2 weeks	30.5
— Watermelon	50–60	90	2–3 weeks	31.3
Mushrooms	32	95	3–4 days	30.4
Okra	45–50	90–95	7–10 days	28.7
Onions, green	32	95–100	3–4 weeks	30.4
Onion, dry	32	65–70	1–8 months	30.6
Onion sets	32	65–70	6–8 months	30.6
Parsley	32	95–100	2–2.5 months	30
Parsnips	32	98–100	4–6 months	30.4
Peas, green	32	95–98	1–2 weeks	30.9
Peas, southern	40–41	95	6–8 days	_
Peppers, chili (dry)	32–50	60–70	6 months	_
Peppers, sweet	45–55	90–95	2–3 weeks	30.7
Potatoes, early crop	40	90–95	4–5 months	30.9
Potatoes, late crop	38–40	90–95	5–10 months	30.9
Pumpkins	50–55	50–70	2–3 months	30.5
Radishes, spring	32	95–100	3–4 weeks	30.7
Radishes, winter	32	95–100	2–4 months	

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Rhubarb	32	95–100	2–4 weeks	30.3
Rutabagas	32	98–100	4–6 months	30
Salsify	32	95–98	2–4 months	30
Spinach	32	95–100	10–14 days	31.5
Squashes, summer	41–50	95	1–2 weeks	31.1
Squashes, winter	50	50–70	1–6 months	30.5
Sweet potatoes	55–60	85–90	4–7 months	29.7
Tomatoes mature, green	55–70	90–95	1–3 weeks	31
Tomatoes firm, ripe	55–70	90–95	4–7 days	31.1
Turnips	32	95	4–5 months	30.1
Turnip greens	32	95–100	10–14 days	31.7
Watercress	32	95–100	2–3 weeks	31.4

Storage Tips

- **High Humidity** To achieve high humidity conditions in your cooler, without using internal hudmifiers, one can store the produce item in an airtight container. The humidity is provided by the moisture present in the freshly harvested produce item. The tighter the seal, the more effectively the high humidity can be maintained.
- Storage Groups
 - \circ Cold storage (temperatures 32 to 36°F).
 - Cool storage (temperatures 40 to 55°F).
 - Warmer storage (temperatures 55 to 60°F).

References

• Hardenburg, R.E., A.E. Watada and C.Y. Wang. 1986. *The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks*. USDA-ARS Agriculture Handbook Number 66 (revised) 136p.