

Phases of Winter: Production Guidelines

Phase of Winter	Where to grow	Growing conditions	Crops that can be harvested*
Late Fall (Mid Nov. to mid Dec.) Some growth, holding	<ul style="list-style-type: none"> • Field: Row cover (RC) • Low tunnel (LT) • Caterpillar (Cat) • High tunnel (HT) 	<ul style="list-style-type: none"> • Hard freeze (20-28°F) & thaw • Shortening days 	Row cover: Br sprouts; cabbage; kale, tatsoi LT, Cat: head lettuce, salad turnips, chard, arugula, cilantro, spinach, kale, tatsoi HT: lettuce, bok choy, Red Russian kale
Deep Winter (Dec through January) Stockpile what grew in Oct-Nov	<ul style="list-style-type: none"> • High tunnel • Greenhouse or HT w/ minimal heat 	<ul style="list-style-type: none"> • Unheated tunnel: Hard freeze every night (10-25°F) • GH, Heated tunnel: >34°F Low light, short days 	HT, Cat: Very hardy greens: spinach, Ripbor kale, Red Russian kale, Siberian kale, tatsoi, miners lettuce With heat: same as Nov-Dec.
Late Winter (February thru April) Growth returns Bolting	<ul style="list-style-type: none"> • Low tunnel (overwintered), • High tunnel (new plants, regrowth) 	<ul style="list-style-type: none"> • Freeze at night, days warm to >85°F • Longer, stronger light 	LT, HT, Cat: Regrowth: spinach, kale, carrots, onions, sprouting broccoli New DS or TP: kale, bok choy, salad mix, lettuce, chard, fennel

* What's possible to grow in each structure depends on outer and inner covering, outdoor T, varieties, and other factors.
 Based on concepts developed by Skip Paul, Wishing Stone Farm, Little Compton, RI

Guidelines for Winter Storage of Vegetables

Category	Crops	Temperature	Relative Humidity
Cold, moist	carrots, beets, turnips, celeriac, cabbage, leeks, Br. sprouts	32-34 °F	98-100%
Cool, moist	potatoes	40-45 °F	90%
Warm, dry	winter squash, sweet potato	55-60 °F	60-70%
Cold, dry	onion, garlic, shallot	32-34 °F	65-70%