















Grapevine growth stages (continues on next page)

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Vegetative growth						
Dormant	Early bud swell	Late bud swell	Bud burst	1- to 3-inch shoots	4- to 8-inch shoots	10- to 16-inch shoots
						
Bud closed. No visible indication of growth.	The bud is visibly swollen, brown and fuzzy. No green or pink tissue is visible yet.	The bud has elongated and green or pink leaf tissue is visible though bud is still closed.	The leaves have separated at the tip, usually exposing the growing point.	The shoot is 1-3 inches (2.5-7.5 cm) long with 1-3 small leaves at right angles to the stem.	Shoots are 4-8 inches (10-20 cm) long with 3-6 leaves. Flower clusters are exposed.	Shoots are 10-16 inches (25-40 cm long). Flower clusters are clearly visible.

Grapevine growth stages (continued)

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Reproductive growth						
Immediate prebloom	First bloom	Full bloom	Buckshot berries	Berry touch/ bunch closure	Veraison	Ripe for harvest
						
Caps are still attached. No flowers are visible.	First flowers open, caps are falling off.	Most of the flowers are open.	Berries are the size of buckshot pellets.	Berries touch and cluster is starting to close.	Berries soften and change color as they begin to ripen.	Berries are soft and ripe with high sugar content.