

Table 15.1

CULTURAL INFORMATION FOR SELECTED TABLE GRAPE VARIETIES

| Variety | Type of pruning | Typical no. of spurs or canes per vine | Typical no. of buds retained at pruning on each cane or spur | Requires shoot thinning | Climate zone(s)* | Average ripening period [†] | Color | Comments [‡] |
|----------------------|-----------------|--|--|-------------------------|------------------|--------------------------------------|----------------------|--|
| Autumn Black | spur | 12–16 | 2 | — | 3, 4 | early Sep | purple-black | many small bunches |
| Autumn Seedless | cane or spur | 4–6 canes or 12–14 spurs | canes 10–12 (canes mature poorly), 2 spurs | — | 4 | late Aug to Sep | yellow-green | seedless |
| Beauty Seedless | spur | 12–14 | 2 | yes | 3, 4 | mid Jul | black | seedless; E |
| Black Monukka | cane | 4–6 | 12–14 | no | 2, 3, 4 | late Aug | purple-black | seedless; E |
| Black Rose | spur | 12–4 | 2 | yes | 2, 3, 4 | mid to late Sep | purple to black | very delicate, will break down after rain; E |
| Blush Seedless | spur | 12–14 | 2 | yes | 3, 4 | late Aug to early Sep | red | seedless; E |
| Calmeria | cane and spur | 2 short canes and 12–14 spurs | 2 bud spurs and 12–14 bud canes | no | 4 | late Sep to early Oct | green to green-amber | poor eating quality |
| Cardinal | spur | 12–14 | 1 | yes | 1, 2, 3, 4 | late Jul | red | E |
| Catawba | cane or spur | 4–6 12–14 | 12–14 4–6 | — | 2, 3 | late Sep | coppery | large, round red berries; aromatic; A/E |
| Centennial Seedless | spur | 12–14 | 2–3 | no | 3, 4 | late Jul | white | seedless; E |
| Christmas Rose | spur | 12–14 | 2–3 | no | 3, 4 | mid Sep | red | crisp |
| Concord | cane spur | 4–6 12–14 | 12–14 4–6 | no | 1, 2, 3, 4 | Sep | green to blue black | uneven ripening, some green fruit; A/E |
| Dawn Seedless | spur | 12–14 | 2–3 | yes | 3, 4 | late Jul | white | seedless; E |
| Delight | spur | 12–14 | 2 | yes | 1, 2, 3, 4 | mid Jul | white | seedless |
| Emperor | spur | 12 (24 on old vines) | 2–3 (3 bud spurs on older, less productive vines) | — | 4 | late Sep to Oct | red-purple | E |
| Exotic | spur | 12–14 | 2 | yes | 2, 3, 4 | late Aug | black | E |
| Fiesta | cane | 4–6 | 10–14 | — | 4 | early Aug | white | seedless, may have hard seed coats; E |
| Flame Seedless | spur | 12–14 | 2–3 | yes | 2, 3, 4 | late Jul | red | seedless, very crisp berries; E |
| Golden Muscat | cane spur | 4 12–14 | 10–14 4–6 | — | 1, 2 | midseason | yellow-green | vigorous vines; A/E |
| Italia | spur | 12–14 | 2 | yes | 3, 4 | late Aug | white | slight muscat flavor, susceptible to flower thrip damage; E |
| Muscat of Alexandria | spur | 12–14 | 2 | no | 3, 4 | mid Sep | green to golden | strong muscat flavor, may require zinc treatments; E |
| Perlette | spur | 12–14 | 2 | yes | 1, 2, 4 | mid Jul | white | compact clusters require extensive prebloom flower thinning; seedless; E |
| Niabell | cane spur | 4 12–14 | 10–14 4–6 | — | 2, 3 | mid Jul | blue-black | large berries similar to Concord; excel. on arbors; vigorous, resistant to powdery mildew; A/E |

Table 15.1 cont.

| Variety | Type of Pruning | Typical no. of spurs or canes per vine | Typical no. of buds retained at pruning on each cane or spur | Requires shoot thinning | Climate zone(s)* | Average ripening period† | Color | Comments‡ |
|-------------------|-----------------|--|--|-------------------------|------------------|--------------------------|--------------------|--|
| Niagara | cane spur | 4 12–14 | 10–14 4–6 | — | 1, 2, 3 | mid Aug to Sep | light green | vigorous, good on arbors, resistant to powdery mildew; A/E |
| Pierce | cane spur | 4 12–14 | 10–14 4–6 | — | 1, 2 | — | — | vigorous, good on arbors, resistant to powdery mildew; A/E |
| Queen | spur | 12–14 | 2 | no | 3, 4 | mid to late Aug | red-purple | |
| Red Globe | spur | 12–14 | 2 | yes | 3, 4 | mid Sep | pink-red | beautiful, large fruit, very appealing |
| Red Malaga | spur | 12–14 | 2 (may add a cane to increase production) | yes | 4 | early Aug | red | poor home variety; E |
| Ribier | spur | 12–14 | 1 | yes | 2, 4 | late Aug | black | E |
| Ruby Seedless | spur | 10–14 | 2 | yes | 2, 3, 4 | mid Aug | purple | extremely susceptible to powdery mildew and bunch rot; seedless; E |
| Thompson Seedless | cane | 4–6 | 10–14 | no | 3, 4 | mid Aug to Sep | white | seedless; E |
| Tokay | spur | 12–18 | 2 (bilateral or head train) | no | 2, 3, 4 | late Aug | white to pale pink | will not color well in hot climates, subject to sunburn; E |

Notes:

* Climate zone key: 1 = South Coast; 2 = Central Coast; 3 = North Coast; 4 = inland valleys and other hot areas

† Ripening period key: Early = July to mid-August; Midseason = late August to mid-September; Late = late September through October

‡ Comments key: A/E = American or American-European hybrid variety; E = European variety

Figure 15.7

Annual growth and fruiting cycle of a grapevine. Source: After Shaulis and Pratt 1965.

