

| Name/Genetics                            |                                  | Inherent characteristics |               |  |                       | Resistance   |                                   |                    | Tolerance   |                   |                         |                   | General Comments  |
|--|----------------------------------|--------------------------|---------------|--|-----------------------|--|-----------------------------------|--------------------|---|-------------------|-------------------------|-------------------|---|
| Rootstock                                | Parentage                        | Vigor                    | Rooting Depth | Soil Preference                              | Influence on ripening | Phylloxera   | Xiphinema Index (dagger nematode) | Root-knot nematode | Drought   | Wet Soil          | Active Lime             | Salinity          |   |
| Riparia Gloire/<br>Gloria de Montpellier | V. riparia                       | Low                      | Shallow       | Deep, Fertile                                | Advances              | High   | Low/<br>Moderate                  | Low                | Low   | Moderate          | Low < 6%                | Medium            | May induce overbearing.   |
| 3309 Couderc                             | V. riparia x<br>V. rupestris     | Low/<br>Moderate         | Moderate      | Deep Well<br>Drained                         | Mid                   | High   | Low                               | Low                | Low/<br>Moderate  | Moderate          | Low/<br>Moderate 11%    | Low/<br>Moderate  | Shows up latent viruses.<br>Good cold tolerance.  |
| 101-14<br>Millardet Et<br>De Grasset     | V. riparia x<br>V. rupestris     | Low/<br>Moderate         | Moderate      | Deep/Fertile                                 | Advances              | High histor-<br>ically/recent<br>failures<br>noted on clay | Low                               | Moderate/<br>High  | Low/<br>Moderate  | Moderate/<br>High | Low/<br>Moderate<br>9%  | Low               | More vigorous than<br>Riparia Gloire  |
| Schwarzmann                              | V. riparia x<br>V. rupestris     | Low/<br>Moderate         | Moderate      | Deep/Fertile                                 | Advances              | High   | Moderate/<br>High                 | Moderate/<br>High  | Low/<br>Moderate  | Moderate/<br>High | Low/Moder-<br>ate 6-9%  | Moderate/<br>High | Good alternative to 101-14  |
| Saint George/<br>Rupestris<br>du Lot     | V. rupestris                     | High                     | Deep          | Deep, rocky<br>soils                         | Delays                | High   | Low                               | Low                | High in deep<br>soils; Low/<br>Moderate in<br>shallow soils | Low               | Moderate<br>14%         | Moderate/<br>High | Latent virus tolerant.<br>Suitable for dry-farming.<br>Induces shatter.                               |
| SO4 / Oppen-<br>heim #4                  | V. berlandieri<br>x V. riparia   | Low/<br>Moderate         | Moderate      | Moderate<br>Fertility                        | Mid                   | High   | Low/<br>Moderate                  | Moderate/<br>High  | Low/<br>Moderate  | Moderate/<br>High | Moderate<br>18%         | Low/<br>Moderate  | Enhances bud fertility.<br>Suitable for sites with<br>moderate vigor.                                 |
| 5C Teleki                                | V. berlandieri<br>x V. riparia   | Low/<br>Moderate         | Moderate      | Moderate<br>Fertility                        | Advances              | High   | Low/<br>Moderate                  | Moderate/<br>High  | Low   | Moderate          | Moderate/<br>High 20%   | Moderate          | Will shut down when<br>drought stressed.  |
| 110 Richter                              | V. berlandieri<br>x V. rupestris | High                     | Deep          | Moderate<br>Fertility                        | Delays                | High   | Low                               | Low/<br>Moderate   | High  | Low/<br>Moderate  | Moderate<br>17%         | Moderate          | Suitable for hill side sand,<br>dry-farmed sites. Can be<br>overly vigorous on deep<br>fertile soils. |
| 1103<br>Paulsen                          | V. berlandieri<br>x V. rupestris | High                     | Deep          | Clay, Lime                                   | Delays                | High   | Low                               | Moderate/<br>High  | Moderate/<br>High   | Moderate/<br>High | Moderate<br>18%         | Moderate          | Vigor is between 99R<br>and 110R.   |
| 140 Ruggeri                              | V. berlandieri<br>x V. rupestris | Very High                | Deep          | Shallow,<br>drought<br>prone, Alkaline       | Delays                | High   | Low                               | Low/<br>Moderate   | High  | Low               | Moderate/<br>High 25%   | Moderate/<br>High | Does poorly in low K,<br>non-irrigated soils  |
| 1616 Couderc                             | V. longii<br>x V. riparia        | Low                      | Shallow       | Fertile, Medium<br>to Fine<br>Textured soils | Advances              | High   | Moderate                          | High               | Low   | High              | Low/<br>Moderate<br>11% | Moderate/<br>High | Poor on low vigor sites   |