

Table 5 The effect of temperature on flowering, pollination, fruit set and colour development in tomato

Temperature (°C)	Effect on flowering, pollination, fruit set and colour development
Below 10°C	Fruits are unable to develop red colour
10°C - 20°C	Optimum for good colour development
Below 18°C day and 12°C night	Chilling injury and low fruit setting
21°C	Optimum for pollination
25°C day and 18°C night	Best for flowering and fruit setting
Above 30°C	Red colour start to disappear and fruits become yellowish red colour
Above 32°C day and 22°C night	Affect fruit set adversely
Above 40°C	Lycopene is completely destroyed

Note: Adapted from Solankey et al. (2018)