**Introduction**

Plants are sensitive to temperature stress. Physiological processes such as photosynthesis and respiration can be affected and lead to the increased production of reactive oxygen species (ROS) that are damaging to cell membranes and other components of cells, such as chlorophyll (Valitova et al., 2019; Zhu et al., 2018). The structural integrity of the cell can also be affected as temperature changes the fluidity of cell membranes and can lead to cytoplasm leakage.

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