Banana production in Australia generally requires irrigation [2, 3]. Increased irrigation enhances the projected suitability of many regions of Australia. Neither Carnarvon (6) nor Kununurra (7) are suitable for the establishment and persistence of *P. fijiensis* under a natural rainfall scenario (Fig 2a, Fig S2): Kununurra because of excessive Heat Stress, Carnarvon because of excessive Dry Stress. At Kununurra (7), a 7 mm day\(^{-1}\) top-up irrigation scenario is necessary to allow growth during the cooler months (see also Fig S6b). At Carnarvon (6), the 5 mm day\(^{-1}\) top up irrigation scenario is sufficient to remove the restrictions of Dry Stress and enable growth to occur in all but the driest couple of months, and the 7 mm day\(^{-1}\) top up irrigation scenario enables growth throughout the year (Fig S7). Unfortunately, it would appear that this area is not yet indicated as an irrigated agricultural area [1], and so does not show up as being suitable in these maps (Fig 2b, Fig S5).