

**Potential Use of Color Infrared Photography to Detect Infestations of Asian Cycad Scale**

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Abstract. Studies were conducted to evaluate spectral changes in cycads or sago palms, *Cycad revolute*, caused by feeding injury of the Asian cycad scale, *Aulacaspis yasumatsui* in southern Texas. Scale feeding injury caused significant changes in reflectance of both visible and near infrared wavelengths, and was detectable in color infrared imagery. These results suggest that aerial digital color infrared imagery may be particularly valuable in the detection and monitoring of Asian cycad scale infestation in urban environments .