

A COMPARISON OF NUMBERS, SIZE, FLOWERING STEMS, FLOWERING HEADS, ASSOCIATED SPECIES, RICHNESS, AND COVERAGE OF *DALEA REVERCHONNII* FOUND IN WALNUT LIMESTONE BARRENS AND GLADES

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Dalea reverchonii (Reverchon Dalea) is hypothesized to be a walnut limestone barren endemic to Parker, Hood, and Somervell counties in North Texas. We compare a large population discovered in 2010 on a walnut limestone barren in Parker County, Texas to populations found in peripheral glades. In preliminary data analyses, numbers of Reverchon dalea, size of plants, as well as richness and coverage associated with plants significantly differed between barren and glade populations. Associated species also were different in barren and glade habitats. Number of flowering stems and length of flower heads of Reverchon dalea were not significantly different when comparing barren to glade populations. This data supports the hypothesis that Reverchon dalea is found only in Walnut limestone and is best adapted to barrens.