

PROJECT FACT SHEET

Project Title: Dragonfly Nymphs as Indicators of Water Quality in Texas Ponds

Project Lead: [Texas Agricultural Experiment Station](#)

Principal Funding Provided By: Texas Agricultural Experiment Station

Project Description: Over 100 species of dragonflies occur in Texas and all have aquatic nymphal stages. Many of these species are associated with clean water, others are capable of breeding in other water sources, such as rain pools or drainage ditches. Research to date indicates that species distribution and abundance of dragonfly nymphs in Texas ponds reflects the water quality of the pond.

Project Benefits: A rapid means of assessing water quality bases on biological sample would assist not only in determining the quality of water at the time it was sampled, but the history of pollutants such as nitrates in the ponds.

Project Schedule: A statistically sound program has been developed for sampling nymphs from ponds. Preliminary results are favorable for continued research.

Project Status: Further funding has not been applied for due to other obligations incurred by the entomology program.