

Turfgrass Management at the University of Hawaii

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Associate Professor and Extension Specialist (Turfgrass and Landscape Pest Management)

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Program Overview

Dr. Zhiqiang Cheng is the principal investigator of Turfgrass and Landscape Pest Management Lab. Dr. Cheng's main goal is to conduct research, extension and education on turf and landscape pest management, and based on which, to provide effective pest management options to stakeholders in Hawaii, and on a broader sense, to turf and landscape industry in tropical regions of the world.

Specific goals/interests are:

- 1) IPM for golf courses, athletic fields, lawns, and urban landscapes;
- 2) Understanding ecological interactions among turfgrass/landscape plants, pests, soil, and other environmental factors; and
- 3) Testing/selecting effective yet environmental-friendly pesticides/fertilizers/etc., and bio-control agents.

Sample Publication

A.J. Lindsey, J. DeFrank, and Z. Cheng. 2020. Bermudagrass suppression and goosegrass control in seashore paspalum turf. *Journal of Applied Horticulture*, 2020, 22(2), 92-96. DOI:

<https://doi.org/10.37855/jah.2020.v22i02.18>