Application of a real-time polymerase chain reaction assay for the myxozoan parasite Henneguya ictaluri and its year-round prevalence in catfish aquaculture

\*Matt J. Griffin, David J. Wise, Linda M. Pote, Alvin C. Camus, Michael J. Mauel, Terrence E. Greenway

Thad Cochran National Warmwater Aquaculture Center Mississippi State University Stoneville, MS 38776





## Henneguya ictaluri

- Life cycle involves ubiquitous benthic oligochaete Dero digitata
- Exposure to the actinospore stage results in a severe inflammatory response in channel catfish gills causing respiratory distress
- Currently there are no treatments
- Primarily a problem in the spring, with lesser incidence in the fall, when water temps are between 16-25 °C



































