

The Leading Edge



Sea Grant Tip Sheet Series



Golden shiner *Notemigonus crysoleucas*
Richard T. Bryant and Wayne C. Starnes The fishes of Tennessee

Common name: Golden shiner

Scientific name: *Notemigonus crysoleucas*

Production potential: Easy

Marketing potential: Potential: High
Size: 2-6 inches
Market: Bait

Temperature Requirements: Growing: 50-80°F
Spawning: 70-85°F
Lethal: NA

Feed requirements: Protein: 30-38%
Fat: 3-8%

Spawning requirements: Spawns May -June, 75,000 eggs/lb body weight. Eggs hatch in 4-9 days at spawning temperature. Three methods are used to produce fry. The first is the wild or free-spawning method which 20-40 pounds of broodstock are left to spawn in ponds. Egg hatching and growing of young to marketable size occur in the same pond. The second method is the egg transfer method. In this method the broodstock spawn on spawning mats placed in shallow water along the shore. When mats are covered with eggs, they are moved to rearing ponds. The final method is the fry transfer method. In this method fry produced from either wild spawning or the egg transfer method are trapped and counted then transferred to rearing ponds.

Most common production systems: Ponds. Fry are stocked at a rate of 50,000-300,000 per acre.

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