

8. If you were managing a farm and had the information listed in the table below, at what density would you stock your fish to produce a fish of at least 350 g and maximize your production rate?

- a) 20,000/ha b) 30,000/ha c) 60,000/ha d) 80,000/ha e) 100,000/ha

Performance Measures ¹	Stocking Density/ha					
	18,000	20,000	30,000	60,000	80,000	100,000
Stocking weight, g	380	279	206	260	150	243
Harvest weight, g	580	399	390	420	354	318
Growth, g/day	2.45	2.60	2.60	2.3	2.0	1.48
Production rate, kg/ha/d	50	46	76	143	163	146
Calculated standing crop at 200 days, kg/ha	10,100	9,200	15,100	28,800	32,600	29,300

9. When culturing a species that will reproduce during grow-out to market size, what are **four** possible ways to limit reproduction or minimize its effects on growth rate?

10. As a farmer trying to maximize growth rate, which of the following water quality parameters is normally **NOT** a concern in freshwater ponds with low alkalinity that are heavily fed?

- a) high pH b) low dissolved oxygen c) high CO₂ d) unionized ammonia e) nitrite

11. In which state did freshwater prawns grow faster and bigger (higher somatic growth-meat production)?

- a) Kentucky (average temperature 25°C)

- b) Mississippi (average temperature 28°C)

