WHEN MARINE GRAZERS EVOLVE RESISTANCE TO TOXINS IN PREY, HOW COULD WHOLE ECOSYSTEMS BE AFFECTED?

Harmful Algal Blooms (HABs) enter the food web through Paralytic Shellfish Poisoning (PSP) can concentrate toxins and cause can negatively impact $$$ help proliferate (positive feedback) help control (negative feedback)

Grazers - Clams

Grazers - Copepods

Non-resistant

Evolve resistance by natural selection

Ecosystem effects

Impacts to grazers

Impacts to grazers

Abilities to survive, grow, reproduce in the presence of a toxin defined as

Fish, whales, seabirds, humans

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