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A Mechanism of emamectin action

Division: Biotechnology / Environmental Innovation

Category: Senior

Region: Prince Edward Island

City: Stratford, PE

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Abstract: Sea lice are an ectoparasitic species found on Atlantic Salmon. Emamectin benzoate (EmB) is the most widely used drug for sea lice control but, resistance to this drug has occurred. EmB must be fully understood so modifications can be made to prevent resistance. This experiment investigated the hypothesis that a receptor in the cell membrane of sea lice makes the cell more susceptible to EmB.

Biography

I was almost called Imogen. Imagine that! Thank goodness my father talked sense into my mother! Now I'm Emma Jane, a small step in the right direction, I suppose. So now that we're acquainted, there are some things I should tell you. I can break boards with my feet. I'm a sucker for popcorn and I'm terrible at giving directions. If I tried to tell you how to find my house you would end up under a bridge in Alabama. I have never water skied, and don't plan on it. When I was little I talked in my sleep, and always asked for "Donald". I have yet to find him! Oh, and one more thing, I have a Harley-riding, juice slurping, cliff jumping wild side that has yet to be revealed. Oh, by the way, I'm in grade 11 at Charlottetown Rural High School (which is in the middle of the city), I play the cello (fiercely and a lot better than I break boards, so you can put down your metal shield), and I hate giving my sister my clothes. HATE it.

