1st Multinational Meeting on Sea Lice Research

Bergen, February 10-11, 2010 Julia Mullins



Outline

- > Status
- ➤ Target Lice
- Sea lice challenge trial



Status of Ektobann/Calicide

- Norway- temporary marketing authorisation
- Canada- emergency drug release
- ► Ireland- AR 16
- >UK





Target Lice

- Contains highly refined beta 1,3-1,6 glucans, which increase both the quantity and activity of macrophages.
- The effect of the glucans is further stimulated by a vegetable protein ingredient.

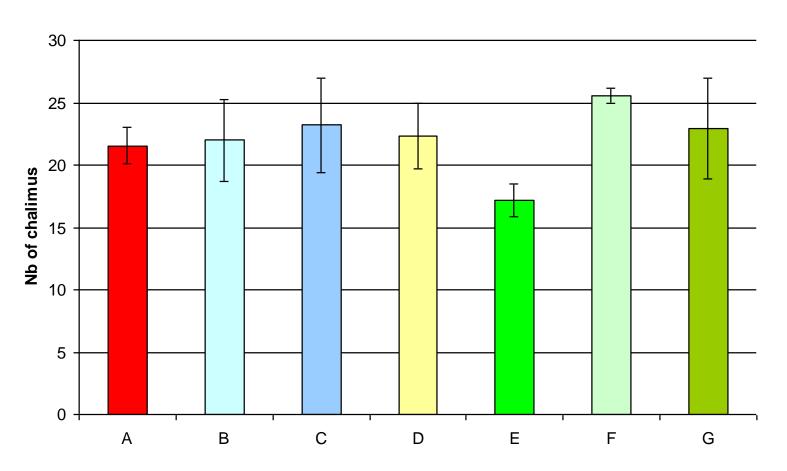
Target Lice feed is <u>preventive</u> - during critical periods the salmon will strengthen its own resistance to lice infestation.

Sea lice challenge trial

- > 7 diets, 21 tanks, 30 fish per tank
- ➤ Initial weight 168g
- Fed experimental diets 4 weeks before the lice challenge
- Challenged with copepodites
- > 15 fish per tank sampled at Chalimus III/VI stage
- > 15 fish per tank sampled at Adult stage



Lice count 9 days Post Challenge





Results

- No significant difference in growth.
- Diet E significantly less lice at the chalimus stage.
- Average lice number lower at the final sampling (~7 adults per diet).
- Waiting for results of histology of skin and proteomic of mucus/plasma.

New trial planned to test doses of diet E + some other functional ingredients.

