

Review of the year

## How we produce AquAdvantage<sup>®</sup> Salmon eggs

**AquAdvantage<sup>®</sup> Salmon (AAS) eggs are produced using the same methods as employed by commercial hatcheries to produce conventional Atlantic salmon eggs.**



1

The process starts with male and female broodstock which are carefully selected to produce the highest quality milt (sperm) and eggs.

2

The female broodstock is comprised of superior lines of non-transgenic conventional Atlantic salmon which, when fully mature, are gently massaged to extrude the unfertilized (also known as “green”) eggs.

3

To those green eggs is added milt that has been extruded from male Atlantic salmon that carry the AAS transgene enabling fast growth. This transgene is a permanent part of the male’s genome and is heritable, meaning it is passed naturally from one generation to the next.

**AquAdvantage® Salmon are identical to conventional Atlantic salmon in all respects when it comes to their consumption. AquAdvantage® Salmon are a healthy and sustainable seafood choice.**



4

The resulting combination of the non-transgenic conventional Atlantic salmon eggs and the AAS milt is fertilized AAS eggs. Using these methods, AquaBounty Technology's breeding program has successfully produced ten generations of AquAdvantage® Salmon at the Company's breeding hatchery in Canada.

5

The fertilized AAS eggs are then pressure shocked to induce sterility, making the fish produced from these eggs unable to reproduce.

6

Finally, the fertilized, sterile, all-female AquAdvantage® Salmon eggs are placed in incubators until they develop ("eyed-up") and are ready for shipping as "eyed eggs".