

2016
October

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AQUABENCH[®]
Análisis & Asesorías

NEWS Letter

SALMON INDUSTRY BALANCE UP TO AUGUST 2016:

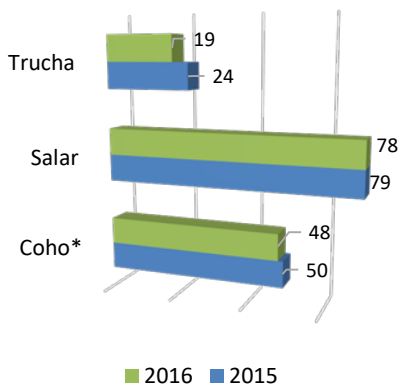
Improvement in Smolt Stocking and Harvest Reduction: Featured Productive Indicators during the Period

During the last few months, there has been an improvement in smolt stocking compared with Q1 this year, but there is still reduction of the harvested biomass due mainly to the lower amount of fish available for harvest because of the mortality produced by the algae bloom in February – March 2016.

Smolt stocking

Jan - Aug 2015 vs 2016

(million smolt per species)



* Coho Season

Smolt stocking

At the end of August 2016, there was a slight reduction of accumulated smolt stocking (average 3%) in relation to the same period last year (Jan - Aug 2015), reaching a total amount of 145 million smolt transferred to the sea compared with 149 million recorded during the same period in 2015.

Per species, the numbers for the period show reductions of 18.7% in **Rainbow Trout**, 1% in **Atlantic Salmon** and 2.9% in **Coho Salmon** (compared as a season).

In the case of Coho Salmon, even though stocking registered between seasons is similar, there was important mortality of fish just stocked due to the algae bloom event at the beginning of the year (3.5 million fish dead). Therefore, adjusting this figure, we have 10% stocking reduction for the current season.

Biomass and the Number of Fish

The report shows a reduction of 14% of the number of live fish in SW farming sites of the three species at the end of August 2016 in relation to the same month last year, with an estimation of a total of 212.3 million fish (considering the 3 species). This negative variation can be greatly explained by the reduction of **Atlantic Salmon** and **Rainbow Trout** (27.4 million), which showed a decrease of 15% and 14% respectively in the number of live fish at the end of August 2016, compared with the same month last year. In terms of numbers, at the end of August 2016, **Atlantic Salmon** had 142.7 million live fish and **Rainbow Trout** had 27.4 million live fish. The 10% reduction of **Coho Salmon** also had an influence, which only had 42.1 million live fish at the end of August this year.

Regarding living biomass during the growout stage, the analysis revealed a reduction of 23% in relation to August 2015, with a total of 375,335 tons. Per species, **Atlantic Salmon** – that represents 73% of the total living biomass – showed a reduction of 24% up to August this year, in relation to the same month last year, reaching 276,307 tons at the end of the month. Likewise, the biomass of **Rainbow Trout** and **Coho Salmon** decreased 18% and 19%, respectively.

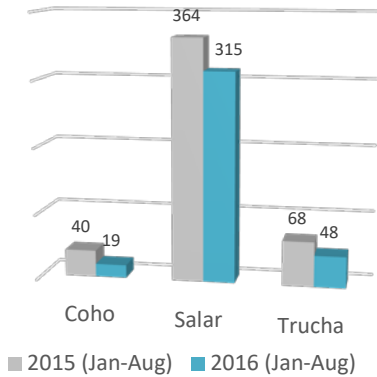
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Harvest of the Industry Jan - Aug 2015 vs 2016

(thousand tons WFE)



Harvest

The total biomass harvested by the whole industry for the three species between January and August 2016 reached 382 thousand tons (WFE), amount which is 19% lower than the same period in 2015. Per species, the accumulated harvested volumes (WFE) up to August 2016 reached **315 thousand tons** for **Atlantic Salmon**, **47.6 thousand tons** for **Trout** and **19.4 thousand tons** for **Coho Salmon**. These numbers represent a reduction in harvest for the period of 20.6 thousand tons for Coho Salmon, 48.4 thousand tons for Atlantic Salmon and 20.3 thousand tons for Rainbow Trout.

The average harvest weight for Atlantic Salmon in 2016 was 5.0 kg which is similar to 2015. The harvest weight for Trout increased, reaching 2.7 kg (average) in 2016 compared with 2.3 kg (average) in 2015.

WFE = Whole Fish Equivalent: Unit used to measure the raw material, it corresponds to round bled live weight

% Accumulated Mortality = Total N° of dead fish / initial N° of fish transferred

Biomass Produced = Dead biomass + Harvested biomass + Living biomass at the end of a period

% Dead Biomass = Kg of dead biomass / Kg of biomass produced

*Smolt Stocking: transfer of fish (called smolts at this stage of their life cycle) to sea water farming sites to begin the growout stage

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