FEEDING A GROWING WORLD WITH AQUACULTURE

The mission of the Global Aquaculture Alliance is to further environmentally responsible aquaculture to meet world food needs.

62% OF FOOD FISH WILL COME FROM AQUACULTURE BY 2030¹

TO MEET THE WORLD’S SEAFOOD NEEDS AQUACULTURE PRODUCTION WILL NEED TO INCREASE BY 46.4 MILLION METRIC TONS²

WORLD POPULATION¹
GLOBAL CONSUMPTION OF AQUACULTURE FISH (IN MILLIONS OF METERIC TONS)
GLOBAL CONSUMPTION OF WILD FISHERIES FISH (IN MILLIONS OF METERIC TONS)

2006 2030

2 84
65 58
47

FEED CONVERSION RATIO

ESTIMATED FEED REQUIRED TO GAIN ONE POUND OF BODY MASS³

SALMON
1.1 POUNDS

BROILER CHICKEN
2.2 POUNDS

HOGS
3.0 POUNDS

CATTLE
4.0-10.0 POUNDS

CARBON DIOXIDE

NITROGEN

PHOSPHORUS

FOOD PRODUCTION & GREENHOUSE GAS EMISSIONS⁴

7x
4x
2.5x

CO2
N
P

¹ Fish to 2030 – Prospects for Fisheries and Aquaculture, a collaboration among the World Bank, Food and Agriculture Organization of the United Nations (FAO) and the International Food Policy Research Institute (IFPRI).
³ http://www.census.gov/population/international/data/idb/worldpoptotal.php