


RESEARCHING TO BUILD a better partnership

Both domestically and globally, increasing aquaculture requires a dedicated effort to better understand the needs of aquaculture species to maximize soybean use. Research efforts are necessary to better understand not only the species but the genetic makeup of farm-raised aquaculture that can best utilize soybeans, and also the right inclusion rate and production method for soy-based feeds. The following are a selection of SAA investments in cutting-edge research focused on finding the best way to feed, breed and grow this unique partnership.

 Soybean efficiency



Soymeal as a replacement for fishmeal*

Focus: Processing requirements to replace fishmeal at the same nutritional level and at higher inclusion rates (2017)



Break 20% soy-inclusion barrier*

Focus: Assess genomic, physiological and microbial factors for genetic selection for higher soybean meal feed efficacy (2015)

 Increased soybean use



Taurine inclusion to increase plant-based diets*

Focus: Increasing soybean meal as a replacement for fishmeal with the inclusion of newly AAFCO-approved crystal taurine amino acid, increasing soybean meal efficiency (2017)



Selective breeding technology for increased plant-based diets*

Focus: Assess broodstock and genetically select plant-tolerant fish (2015)

 Aquaculture industry growth



Genetic selection for effective soymeal diet inclusion*

Focus: Genetic evaluation / selection to maximize soybean meal feed efficiency (2017)



Commercial in-pond raceway pilot*

Focus: Increase production capacity with increased soy-based feed use (2015)

* Study on file at SAA.



Soy Aquaculture Alliance

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FARM-RAISED,

ON LAND  IN WATER



Soy Aquaculture Alliance

GROWING 2 markets, *together*

Soybeans and fish seem unlikely partners, but bringing the land and sea together offers major opportunities for both. After years as a feed source for other farm-raised proteins, soybeans are entering a whole new space: *the waters of aquaculture*. As new regulations, over-fishing and an increased demand for sustainable and plentiful protein crosses the globe, farmed aquaculture is finding a foothold. Soybeans bring a nutritional feed source that meets the sustainability, quality and consistency needs to keep the market growing. In the process, U.S. soybean farmers benefit from opening a new and growing market.

Soy-fed aquaculture opens unprecedented opportunities to:

- Feed a growing population with the most feed-efficient farm-raised protein
- Build a lucrative domestic market for fish growers and soybean farmers alike

Formulating aquaculture diets based on nutritional requirements while leveraging a cost-effective feed source – soybeans – sets in motion a mutually beneficial ROI for the entire value-chain. To accomplish these goals, the Soy Aquaculture Alliance is investing in research and education through partnerships with leading research institutions, nutritionists and breeders.

