

Aquapulse® Water Technology



Fish Farming -
Delivering environmental,
sustainability &
commercial benefits....

www.clearworldwater.co.uk or
www.aquapulse.tech

Fish farming -The problems, pressures & issues...



- Fish mortality
- Diseases, parasites & bacteria
- Ammonia
- Nitrite
- Water quality
- Fish diseases
- Overuse of anti-biotics
- Water hygiene
- Stocking density
- Water stability
- Protein/weight ratios
- Water efficiency



Aquapulse®

Water as nature intended it...

Marine Version – The Product:



Aquapulse are units just 200mm x 32mm



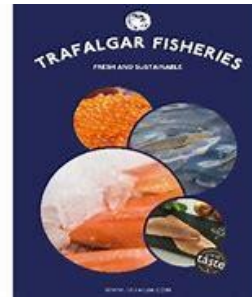
A food grade cartridge containing feldspars, activated via a proprietary treatment process

The cartridge is simply immersed into the tank to activate

- Promotes healthy & natural fish development
- Reduces ammonia & nitrite levels
- Reduced fish mortality and enhanced natural growth
- Installed in minutes
- 2 year product life
- Maintenance free



Rainbow Trout, (*Oncorhynchus mykiss*) fingerlings proof of concept work...



- Enhanced growth of fingerlings
- Commercial gain calculated at 18%
- Separate evaluation with 920,000 eggs achieved similar results
- Aquapulse treated raceway more densely populated but outperformed the control batches
- Aquapulse treated raceways generated superior results with two different feed types
- Flowthrough system with good quality borehole water



Water as nature intended it.....

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Sturgeon (Huso Huso) proof of concept work...

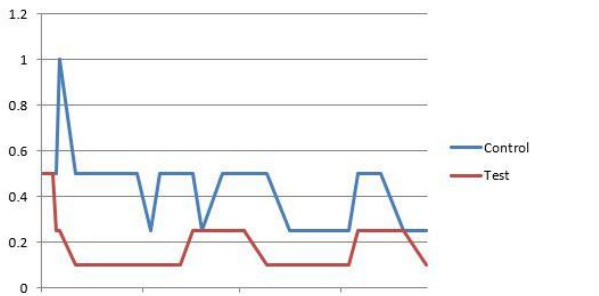
- Enhanced natural growth of fish
- Fish mortality rate significantly reduced
- Feed requirement reduced
- Ammonia levels reduced
- Water parameters stable
- Fish slime coat silky with no discoloration
- Water Phosphate levels reduced by over 20%
- Fish healthy & vibrant



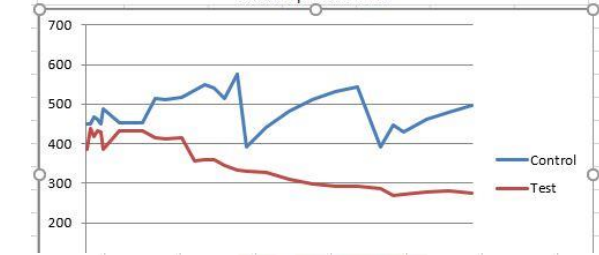
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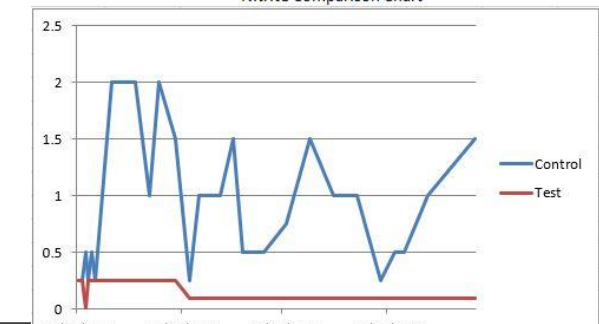
Ammonia Comparison Chart



TDS Comparison Chart



Nitrite Comparison Chart



Koi & other ornamental fish, proof of concept work...

- Enhanced natural growth
- Reduced feed requirement
- Reduced fish mortality
- Ammonia & nitrite levels reduced or eliminated
- Significantly reduced water change requirements
- Fish generally healthier & more vibrant
- Water clearer without chemical use



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Aquapulse®

Water as nature intended it...

Aquapulse® Brands



- **Aquapulse® Marine** – Fish farming



- **Aquapulse® Grow** – Grown produce irrigation



- **Aquapulse® Spa** - Swimming pools, saunas, jacuzzis



- **Aquapulse® Dairy** – Herd drinking water



- **Aquapulse® Poultry** – Egg production & broilers



- **Aquapulse® Energy Save** – Industrial heating & cooling of water