



Koi Benchmark

Altech[®] COPPENS

Koi Benchmark

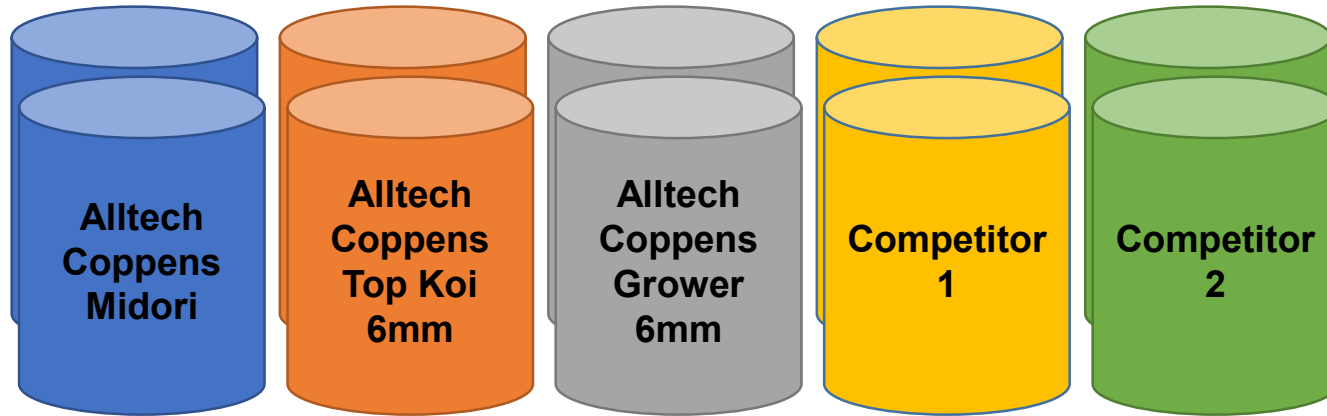
TRIAL INFORMATION

- Koi *Cyprinus carpio*
- Water temperature: 22 °C
- Initial body weight: 63g
- 2 x replicates
- Average final weight: 150g
- 22 fish / tank
- Feeding level: 2.8 % of body weight
- Adaptation: 8 days
- Trials duration: 6 weeks

Parameters measured

- Body weight gain (g/fish/day)
- Feed Conversion Rate (FCR)

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Diets Composition

Diet name	Alltech Coppens Midori	Alltech Coppens Top Koi	Alltech Coppens Grower	Competitor 1	Competitor 2
Pellet size	4.0-8-0 mm	6.0 mm	6.0 mm	6.0 mm	6.0 mm
Label (%)					
Protein	45.0	49.0	44.0	46.0	40.0
Fat	12.0	8.0	11.0	10.0	7.0
Ash	6.7	9.6	6.6	10.0	13.5
Fiber	2.9	1.2	3.3	2.0	3.0
Phosphorus (g/kg)	9.2	14.5	9.5	10.0	-

(-) not available



- Contains insect meal
- 100% free of marine ingredients
- Larvae shaped pellet
- Effective growth
- Vibrant colors
- Highly sustainable

COMPOSITION:

Analyses (%)		Size:
Protein	45%	4.0/12 mm
Fat	12%	
Crude fibre	2,9%	
Ash	6,7%	
Astaxanthin (mg/kg)	20	
Vitamins added		
Vitamin A (IE/kg)	10.002	
Vitamin D (IE/kg)	3.000	
Vitamin E (mg/kg)	200	
Vitamin C (stable) (mg/kg)	250	

The values of the nutrients and vitamins are from the time of writing. These values can vary due to natural variation in the ingredients. We reserve the right to change our recipes. For the exact values we refer to the label.

*Antibiotics should not be top coated on clay (bentonite) containing feeds as the clay could interfere with the effectivity of the antibiotic.



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MIDORI
BACK TO NATURE

Poultry meal, wheat, insect meal, soya protein concentrate, wheat gluten, sunflower meal, wheat germ, lecithin, lucerne protein concentrate, rape oil, algae, Spirulina, yeast products, inulin, binder, gut flora stabilizer *Bacillus subtilis*, by product of enzyme production, astaxanthin.



Competitor 1

Rice flour, salmon meal, soy flour, wheat germ meal, shrimp flour, wheat gluten, Spirulina algae, squid meal, fish oil, yeast extract, seaweed meal, minerals, green meal, lysine, methionine, astaxanthin.



Alltech Coppens Top Koi

Fish meal, wheat, wheat gluten, soya protein concentrate, wheat germ, lecithin, fish soluble, krill meal, Spirulina, monocalcium phosphate, yeast products, inulin, garlic powder, gut flora stabilizer *Bacillus subtilis*, algae, binder, astaxanthin.



Competitor 2

Fish meal, rice flour, wheat germ cake, alfalfa flour, corn gluten, Spirulina, algae flour, brewer's yeast, nettle greens, herbs, fish oil, dextrose, garlic, linseed oil, wheat germ oil.



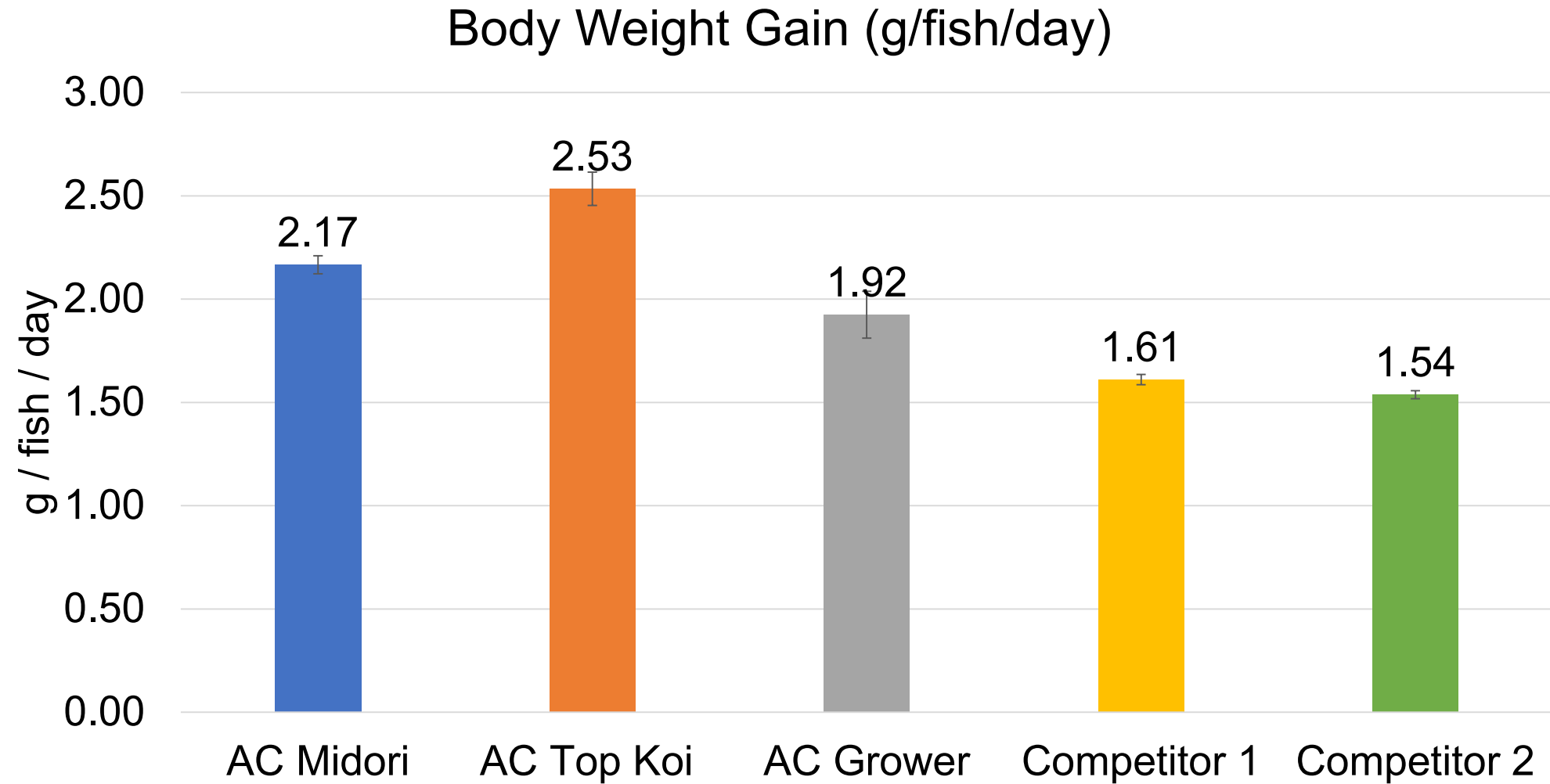
Alltech Coppens Grower

Wheat, soya protein concentrate, fish meal, wheat protein concentrate, sunflower meal, lecithin, rape oil, yeast products, algae, binder, monocalcium phosphate.



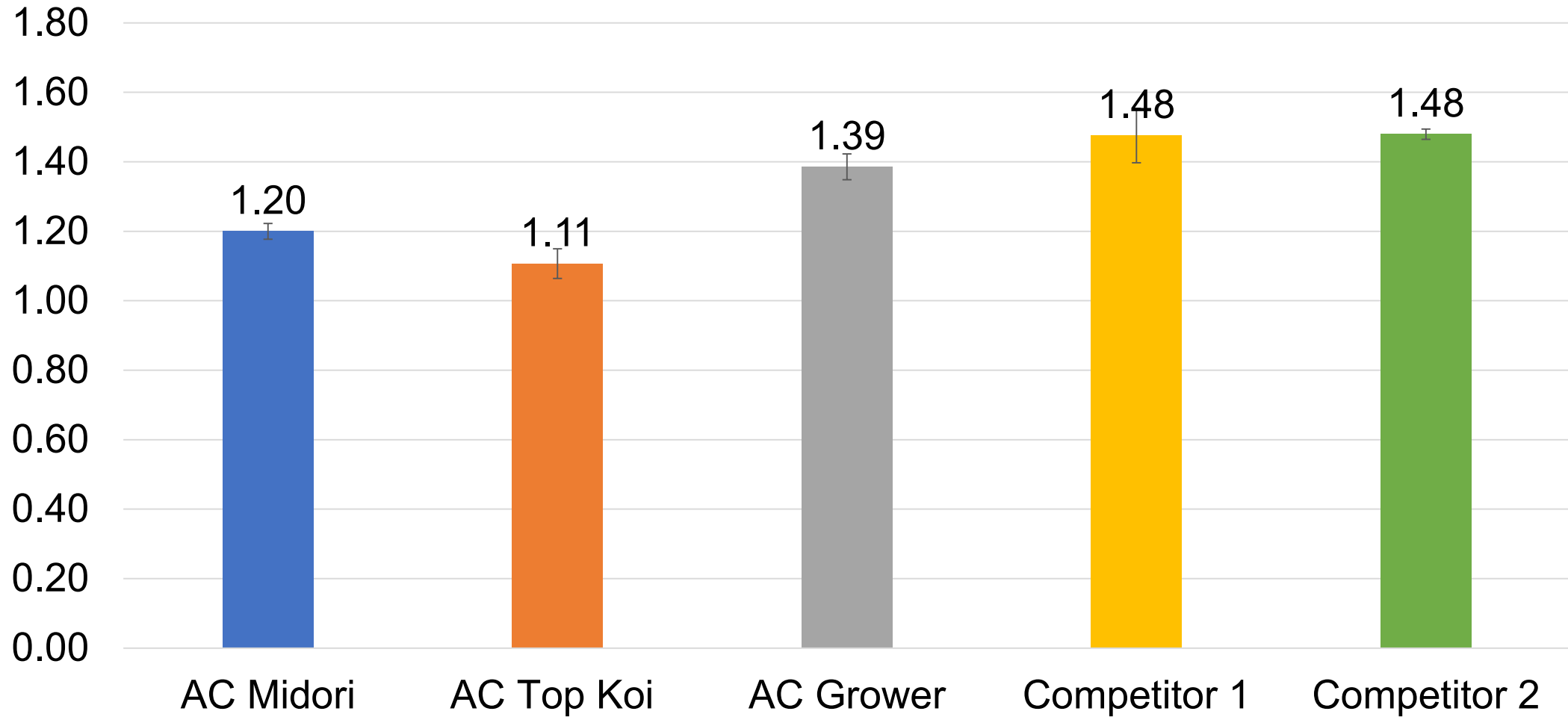
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Performance results



Performance results

Feed Conversion Ratio (FCR)



Conclusions

- ✓ Growth performance was better for Alltech Coppens Koi, followed by Alltech Coppens Midori and Alltech Coppens Grower.
- ✓ The great results of the Alltech Coppens Midori confirmed that fish meal and fish oil could be totally replaced by insect meal and other high quality ingredients.



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DEDICATED TO **YOUR** PERFORMANCE

