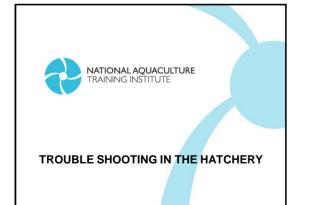


Hatchery Feeding for Ornamentals			
Species Group	First Feed requirements	Artificial diets suitable	Feed Contents
Barbs	Some require infursoria, Artemia, similar sized live foods, weaning 2 nd – 3 rd week	Yes	Protein: 32% minimum Fat: NDA
Catfish	Artemia, similar sized live foods, weaning 2 nd - 3 rd week	Yes	Protein: 32 – 35% Fat: NDA
Cichlids	Artemia, similar sized live foods, weaning 2 nd – 3 rd week	Yes	Protein: 40 – 50% Fat: 8 – 10%
Goldfish	Artemia, similar sized live foods, weaning 2 nd – 3 rd week	Yes	Protein: 30 - 38% Fat: low
Bubble nest breeders	Infursoria and similar sized feeds, Artemia from 2 nd week, weaning 3 rd – 4 th week	Yes	Protein: 40% Fat: < 10%
Koi carp	Artemia, similar sized live foods, weaning 2 nd - 3 rd week	Yes	Protein: 31 – 38% Fat: 3 – 8%
Livebearers	Artemia or artificial feed	Yes	Protein: 40 - 45% Fat: 8%
Tetras	Infursoria and similar sized feeds, Artemia from 2 nd week, weaning 3 rd -4 th week	Yes	Protein: 40% Fat: NDA
Rainbows	Infursoria and similar sized feeds, Artemia from 2 nd week, weaning 3 rd -4 th week	Yes	Protein: Moderate Fat: Low



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Troub	le shooting in the hatchery
 The following slides detain intensively or to watch for 	il some potential problem areas for when producing or in new species
 Some of these problems species 	may be an issue when you begin working with new
 When working with new broodstock you work wit 	species, success may be poor with the original h
 Breeding success often in breed at your farm 	nproves with successive generations of fish that you
 Key areas to look at when 	n there are breeding problems are
– Water quality (pH and	water hardness)
 Broodstock conditioni 	ng and in particular feeding
- Brooustock condition	ing and in particular reeding

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Fish Not Breeding		
h to breed – this will vary with species		
operly		
o different times to condition properly for spawning. a such as colour, ripeness, breeding tubes		
o of males to females		
rrectly paired the fish up with the correct ratio of male		
y be too small or incorrect spawning substrate		
nents for the species and ensure the correct spawning used		

