

Table S10 Farmed fish mortalities

	Species	Aquaculture	Experimental	FAO stocking model¹	Mass mortalities
1	Pond loach (<i>Misgurnus anguillicaudatus</i>)	High larval and juvenile mortality (Gao et al 2014)			Yanohara and Kagei 1983 cited in Milton et al 2018
2	Nile tilapia (<i>Oreochromis niloticus</i>)	Grow out phase 25-60% (Rana and Hasan 2013), Traditional polyculture 6% (FAO 1980)	22-71% (Abdalla et al 1996), 1-19% (Abdelghany and Ahmad 2002), 32-72% (Trọng et al 2013), 55-61% (Muyot et al 2018)		Abu-Elala et al 2016
3	Crucian carp (<i>Carassius carassius</i>)	Nursery ponds 10-30% and fingerling ponds 10-20% (FAO 2004-2021a), 5% (Yuan Xihe 2016)		20-30% (Yingwu 1989)	Fichi et al 2016
4	Common carp (<i>Cyprinus carpio</i>)	Nursery stage 30-60% and fingerling stage 50-75% (FAO 2004-2021b), Traditional polyculture 20% (FAO 1980)	19-49% (Nielsen et al 2010), 3-18% (Abdelghany and Ahmad 2002), 11-13% (Buck and Rose 1977)	20% (Yingwu 1989)	Ye et al 2017
5	Silver carp (<i>Hypophthalmichthys molitrix</i>)	Traditional polyculture 6% (FAO 1980), 5% (Yuan Xihe 2016)	14-17% (Khan et al 2009), 15-30% (Abdelghany and Ahmad 2002), 8-18% (Buck and Rose 1977)	2-15% (Yingwu 1989)	Shagar and El-Refaei 2012
6	Milkfish (<i>Chanos chanos</i>)	Fry to fingerling 30% (FAO 2007-2021), Rearing 54% (Smith 1981) and 30% (Chen 1952 cited in Bagarinao 1991)	18-22% (Muyot et al 2018)		Cruz-Lacierda et al 2004
7	Yellow catfish (<i>Pelteobagrus fulvidraco</i>)				Geng et al 2014
8	Silver barb (<i>Barbonymus gonionotus</i>)		10-18% (Sarker et al 2016), 7-13% (Mollah et al 2011)		
9	Striped catfish (<i>Pangasius hypophthalmus</i>)	Up to 30% early to mid months of production cycle and < 10% in later months (Phan et al 2009), 38-40% (Rana and Hasan 2013)	3-5% (Khan et al 2009), 10-20% (Mehboob et al 2017)		Yuasa et al 2003
10	Asian swamp eel (<i>Monopterus albus</i>)		Grow out 8-27% (Khanh and Ngan 2010)		Liu et al 2019
11	Bighead carp (<i>Hypophthalmichthys nobilis</i>)	Nursery stage 20-30% and fingerling stage <5% (FAO 2004-2021c), Traditional polyculture 3% (FAO 1980)		2-15% (Yingwu 1989)	
12	Wuchang bream (<i>Megalobrama amblycephala</i>)	Traditional polyculture 29% (FAO 1980), 10% (Yuan Xihe 2016)		10-20% (Yingwu 1989)	

¹ The expected mortality for a stocking model which is a suggested combination of species at specific stocking densities that will, with effective rearing management, be productive (Yingwu 1989)

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