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Monitoring and assessment of treated river, rain, gully pot and grey waters for irrigation of *Capsicum annuum*

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Table 4 Overview of standard references summarising typical water quality concentrations for irrigation water

Standard	Inflow source	COD ^a (mg/l)	BOD ^b (mg/l)	NH ₄ -N ^c (mg/l)	NO ₃ -N ^d (mg/l)	PO ₄ -P ^e (mg/l)	SS ^f (mg/l)	Turb ^g (NTU)	pH (-)	EC ^h (μ s/cm)
Recycling of wastewater for the irrigation of edible crops	RV ⁱ								7.4-8.9 ^f	170-690 ^v ; 600 ^r
	RA ^j	6-142 ⁿ		0.0-0.1 ⁿ	0.2-8.1 ⁿ			0.1-4 ⁿ	7.1-8.9 ⁿ	
	GP ^k									
	RG ^l AG ^m	278-435 ^o 702-984 ^q	50-300 ^p 280-688 ^q	1.2-6.2 ^o	1.8 ^t 0.0-5.8 ^q	<2 ^o	313-543 ^o 85-285 ^q	29-375 ^t	6.7-7.6 ^o 6.3-7.0 ^q	294-2457 ^s 1000-1300 ^q
General wastewater standards for irrigation purposes		None ^u	None ^u	<5.0 ^u	<30.0 ^u	<2 ^u	None ^u	None ^u	6.5-8.4 ^u	<3000 ^u

^achemical oxygen demand; ^bbiochemical oxygen demand; ^cammonia-nitrogen; ^dnitrate-nitrogen; ^eortho-phosphate-phosphorus; ^fsuspended solids; ^gnephelometric turbidity unit; ^helectric conductivity; ⁱriver water; ^jrain water; ^kgully pot water; ^lreal grey water; ^martificial grey water; ⁿRadaideh et al.(2009); ^oSingle house (Finley et al. 2009); ^pDomestic grey water (Sayers et al. 1998); ^qirrigated lettuce (Gross et al. 2007); ^rBanerjee & Gupta 2010; ^sTsado et al. 2014; ^tYu et al. 2013; ^uFriedler, 2004; ^vFAO(1994).