Supplementary Information

Changing global cropping patterns to minimize blue water scarcity in the world’s hotspots
Hatem Chouchane, Maarten S. Krol, and Arjen Y. Hoekstra

Supplemental Table 1. Change in harvested area per product group per continent in absolute terms (10^6 ha) when shifting from the cropping pattern in the reference period (1996-2005) to the optimised cropping pattern (£ = 1.1).

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Supplemental Table 2. Change in production per product group per continent in absolute terms ($10^6$ t/yr) when shifting from the cropping pattern in the reference period (1996-2005) to the optimised cropping pattern ($\alpha = 1.5$).

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Supplemental Figure 1. Relative change in production for wheat, barley, maize and rice per country for the case of an optimized cropping pattern with $\alpha = 1.5$ (maps on the left hand) and absolute change (in $10^6$ t/yr) for the same crops (maps on the right hand), all compared to the reference cropping period (period 1996-2005).
Supplemental Figure 2. Relative change in production for apples, bananas, grapes and oranges per country for the case of an optimized cropping pattern with $\alpha = 1.5$ (maps on the left hand) and absolute change (in $10^6$ t/yr) for the same crops (maps on the right hand), all compared to the reference cropping period (period 1996-2005).
Supplemental Figure 3. Relative change in production for soybeans, sugar beet, sugar cane and tomatoes per country for the case of an optimized cropping pattern with $\alpha = 1.5$ (maps on the left hand) and absolute change (in 10^6 t/yr) for the same crops (maps on the right hand), all compared to the reference cropping period (period 1996-2005).