

Emphasis will be on three components of water productivity (World Bank, 2006)

Increasing irrigation efficiency to convey water to the plant root more efficiently

Improving yields per cubic meter of water consumed water consumed.

Increase income and employment par cubic mater of water consumed.

Increase income and employment par cubic mater of water consumed.

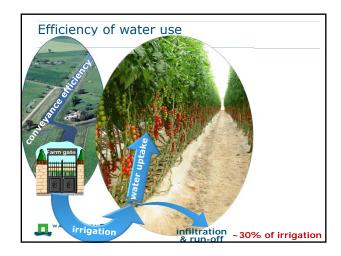
Increase income and employment par cubic mater of water consumed.

Increase income and employment par cubic mater of water consumed.

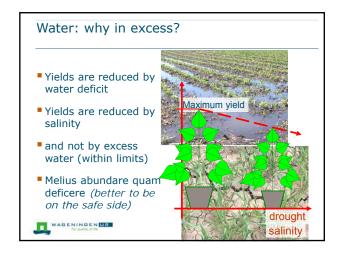
Increase income and employment par cubic mater of water consumed.

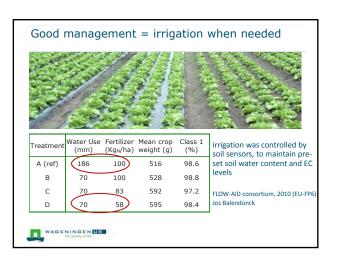
Increase income and employment par cubic mater of water consumed.

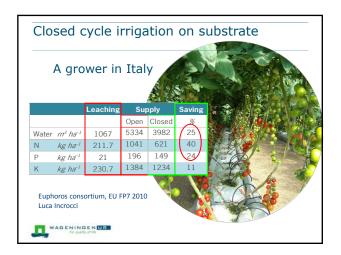
Increase income and employment par cubic mater of water consumed.





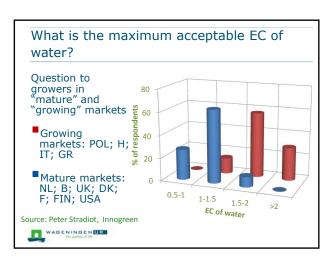




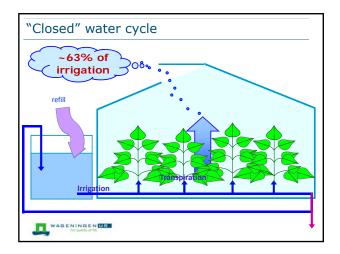






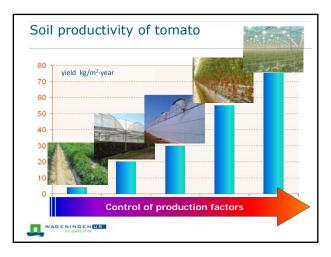


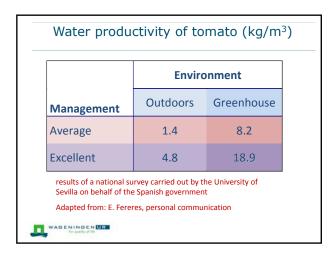


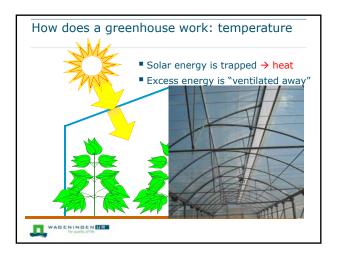


How much lea	ching is nec	essary?	
		Tomato	Rose
■ Water volume in system: ±10 L/m² ■ Concentration of irrigation water: ■ 0.5 mmol/L _{Na} ■ 1 mmol/L _{Na}	Transpiration L/m²/year	750	900
	C _{max} mmol/L	8	4
	N _{leachings} /year	5 10-11	13 30
	Water _{leaching} L/m²/year	50 110	130 300
How muc	ch N, P, K in the	environment	?

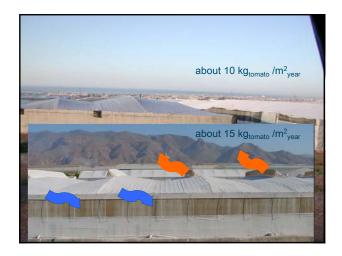


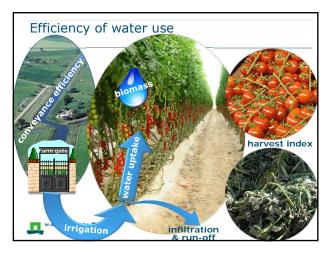












crop	harvest index	
Sorghum	0.20—0.35	
Rice, Soya	0.25—0.35	
Mais, Sunflower	0.30-0.35	
Pepper	0.20-0.40	
Legumes	~0.50	
Wheat	0.30 → 0.5	
Round tomato	~0.65	
Potatoes, Beets, Cassava	0.70-0.80	
Lettuce and leaf vegetables	0.90	

