

# Agreement: Clean and Save Agroindustry Convenant: Schone en Zuinige Agrosectoren Aims for 2020 45 % reduction of CO<sub>2</sub> emission compared to 1990 Increased energy efficiency 2 % per year 20 % sustainable energy & Climate neutral for new greenhouses Economically Supplier of heat and electricity





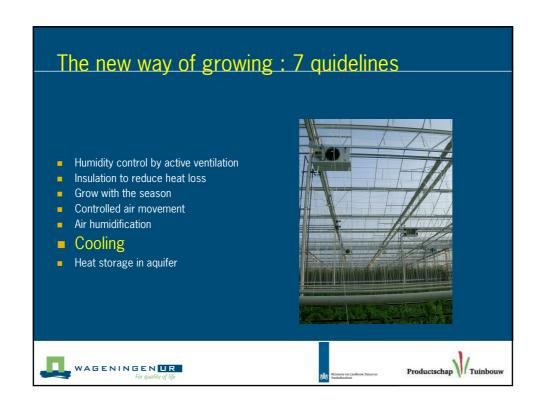


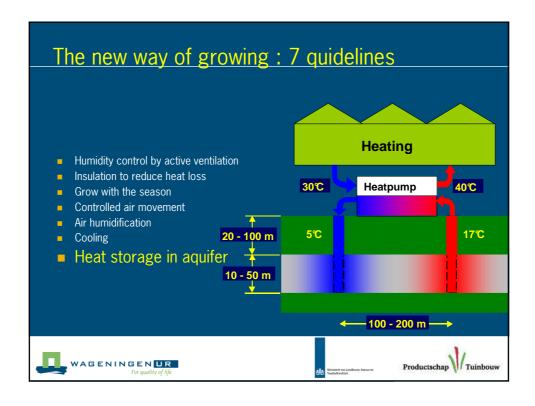


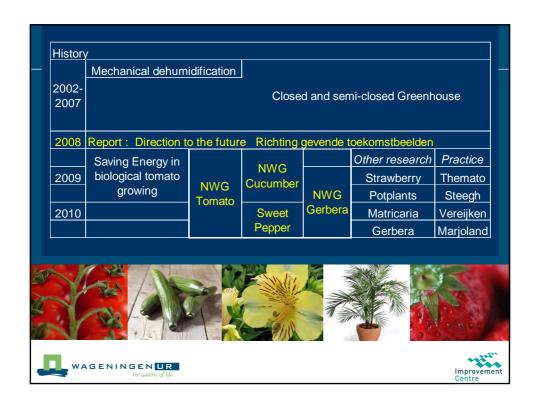












# Greenhouse equipment

### Tomato – Cucumber –Sweet Pepper

- Double/Triple energyscreens
  - XLS 18 Firebreak (72 %)
  - XLS 10 Ultra Revolux (47 %)
  - December-February AC foil (EH foil removed to AC)
- Crop ventilation with outside-air to control humidity.
- High pressure mist system

### **Tomato**

Cooling equipment



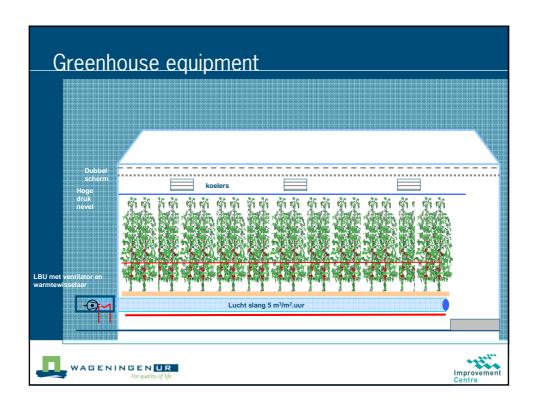


### Gerbera

- 3 screens for :Insulation , day-length, shading
  - Obscura + XLS 14 F
  - XLS 10 ultra
- Crop ventilation
  - Dehumidification
  - Aircirculation
- High Pressure mist
- Assimilation light 30 + 70 μmol (2400 + 5300 lux)









	Produc	tion of	Cucum	ber				
	Crop		7.5 cm slab					
		Kg/m²	#/m²	Fruit weight	Kg/m²	#/m²	Fruit weight	
	1	23.4	54.6	429	25.1	58.4	430	
	2	26.6	57.5	463	27.2	57.8	471	
	3	21.3	49.5	430	21.0	48.0	438	
	Total	71.3	161.6	441	73.3	164.2	446	
				23-09-09	23-09-09			
Ţ	WAGEN	INGEN UR For quality of life					Improve Centre	me



## Lessons learned 2009

- Plan energy the first step is made in normal growing.
- Use the instrument for the right purpose
- Growers feeling isn't a sensor
- Saving energy at the start of a crop can cause loss of energy at the end





# Ervaring paprika tomaat

Figuren energy paprika en tomaat 2010





