

# LED in polytunnel

Primocane raspberry

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# The experiment field

**Polka: 6 September 2012**



**Erika: 6 september 2012**



# Activation of additional light

**Polka: 7 September 2012- 300W  
(Red:blue = 8:1)**



**Polka: 7 september 2012. 400W  
SON**

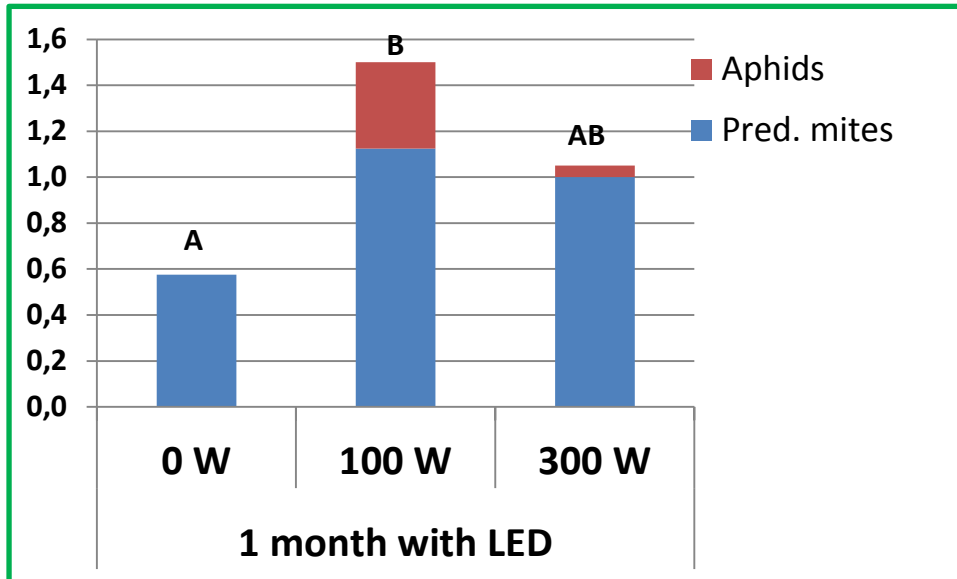


Effect of light and two cvs on fruit yield (Kg/m<sup>2</sup>), fruit weight and not salable (NS)

Light	Cultivar					
	Polka			Fallred		
	Yield m <sup>2</sup>	Fw	%NS	Yield	Fw	%NS
Control	0.58	5.5	2.6	0.15	4.2	7.2
SON 400W	0.63	5.5	2.7	0.16	4.3	1.7
LED 300W	0.71	5.5	3.3	0.23	4.5	3.1

# Arthropods in strawberry, 19 Oct. 2011

Numbers per trifoliate 'Rondo' leaf:



## RESULTS:

Significant difference between 0 and 100 W LED. 300 W intermediate.

Spider mites: 1 specimen found in each treatment (4x10 leaves sampled).

The predatory mite *N. cucumeris* was introduced in July.

Aphids were not identified to species

Arthropods were extracted by a washing method



300 W leaves had more red colouring than the other two treatments(?)



# Summary

- The methode of fruit sampling for examination of fruit firmnes and Brix was not good enough in 2011.
- New methode of fruit sampling in 2012.
- Planted 'Fallred' instead of 'Erika' in 2011. 'Erika' was a dissapointment and was removed in spring 2012.
- 'Erika' was planted in spring 2012, and they are well established
- In 2013 is expected a trial with two fully grown cultivars.