Rain covers tested on apple orchards at Ctifl (Lanxade Centre)

Braeburn 2010 - 2014 (1,40 m)

Gala Axe 2011 - 2013 (1,60 m)



Gala "fruit wall" 2011- 2013 (0,70 m)





Gala "fruit wall" 2014 (1,40 m)





Rosy Glow 2014 (2,50 m)





















Facts on rain covers in apple orchards

A reduced number of orchards with rain cover in 2016 (26 systems) **Two strategies:**

Half were covered in March. No treatment against apple scab. 2 to10 fungicides against powdery mildew.

Half were covered after flowering (mid-April to mid-May).
8 to 12 treatments against apple scab before covering.
50 % had no treatment after.

> points:

Ctifl

- 30 to 40 % TFI reduction
- Globally good results, but possible contamination on leaves and fruits

11

12

- Interesting results also against N. alba (Rosy Glow)
- Quality (sugar, firmness, acidity) seems equivalent.

Facts on rain covers in apple orchards

< points:

Ctifl

- Limited duration of the plastic (lacerations, getting green)
- Bad staying in bad weather condition (wind !)
- Incidence on yield (up to three times)
- Less luminosity (up to 30 %), less coloration (ex. Rosy Glow), more vigour and shoots, less flowers
- Bitter Pit on Golden
- Needs to adapt irrigation. Start earlier 20 days with a drip irrigation system and 10 days with microjet. Bring more: 25 % with drip irrigation, between 45 to 65 % with microjet.
- Ditches may appear because of the accumulation of rainwater.
- Noise due to the plastic covers when wind is beating
- Costs

