



# Pear: increasing fruit size with Chelal Noor

## Aim of the trial

Investigating the influence of Chelal Noor on the fruit size of Conference pear.

## General information

### Conditions of the trial:

Trial location: Belgium – Limburg  
Variety: Conference, 20 years old  
Rootstock: Quince Adams  
In cooperation with: pcfruit

### Experimental design:

Randomized design with micro-plots; 3 replicates.

## Treatments

### 2 modalities:

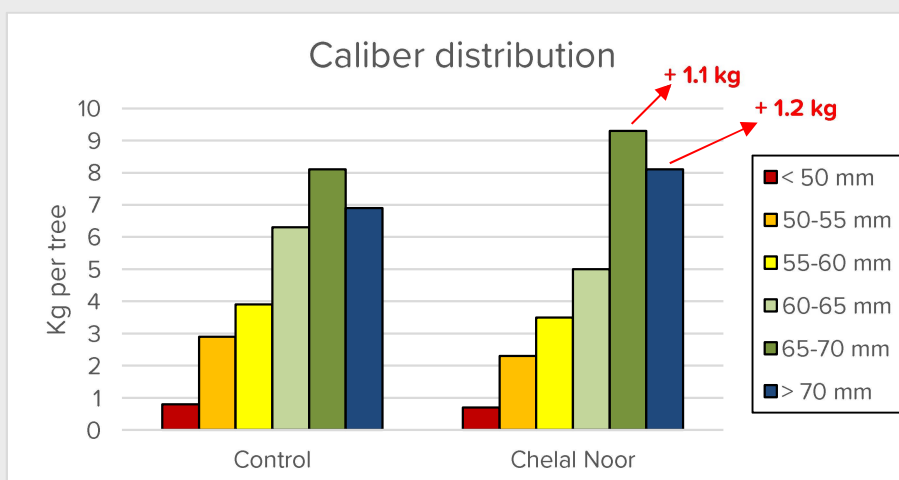
- **Untreated control**
- **Chelal Noor:**
  - o 2 kg/ha at the stage of “fruit diameter 30 mm” – 20/07/21
  - o 2 kg/ha – 18/08/21
  - o 2 kg/ha – 24/08/21

No other potassium- and zinc-containing foliar fertilizers were used on the entire trial plot.

## Results

Production figures and quality parameters:

Modality	Kg/tree	Fruit weight (g)	Number of pears/tree	Firmness (kg/0,5 cm <sup>2</sup> )	Sugar content (°Brix)	Russetting Th5-index
Control	28.9 a	221 a	133 a	5.9 a	13.4 a	53 a
Chelal Noor	29.0 a	218 a	134 a	5.7 a	13.5 a	57 a



### Conclusion:

Despite the equal average fruit weight in the 2 modalities, we observe a clear shift in the calibre distribution. Thanks to the applications with Chelal Noor, we see an increase in classes 65-70 and > 70 mm of more than 1 kg/tree each time. These are the classes with the most favourable pricing.