



Summary pear pilot Cepuna

Growing season 2021

In cooperation with Fruitmasters, First-Tree has conducted a field test at a fruit grower in the Betuwe area, treating Cepuna pears with her plant growth regulator Good for Greens®. Fruitmasters markets this pear variety under the brandname Migo®. At the same time, the fruit grower has treated a number of rows with product X.

Treatments

All rows were mechanically pollinated. In addition, the control rows were pollinated manually. A number of the mechanically pollinated rows was treated 4 times with the Good for Greens® plant growth regulator while some other rows were treated with product X.

Result

Three clusters of 5 trees each were selected in the control rows, the rows treated with Good for Greens and the rows treated with product X. The pears were harvested and weighed on 15 September.

Table 1 Harvest result Cepuna pears

Average weight per tree		
Good for Greens	Control	X
16.8	11.7	11.4

The pears were subsequently sorted in 5 categories using a fruit template having diameter (mm):

< 60; 60 – 65; 65 – 70; 70 – 75 en > 75

Furthermore the fractions of pears were determined having the most desired size range of 65 – 75.

Table 2 Results of grading Cepuna pears

Pear fraction in grading 65-75		
Good for Greens	Control	X
61.6%	39.2%	49.1%

The results of sorting are presented overleaf.

Conclusion

Treatment with the Good for Greens® plant growth regulator provides a 43% higher yield of Cepuna pears. More than 60% of the pears treated with Good for Greens® is within the size range 65 – 75.

Fig. 1 Graded weight of Cepuna pears

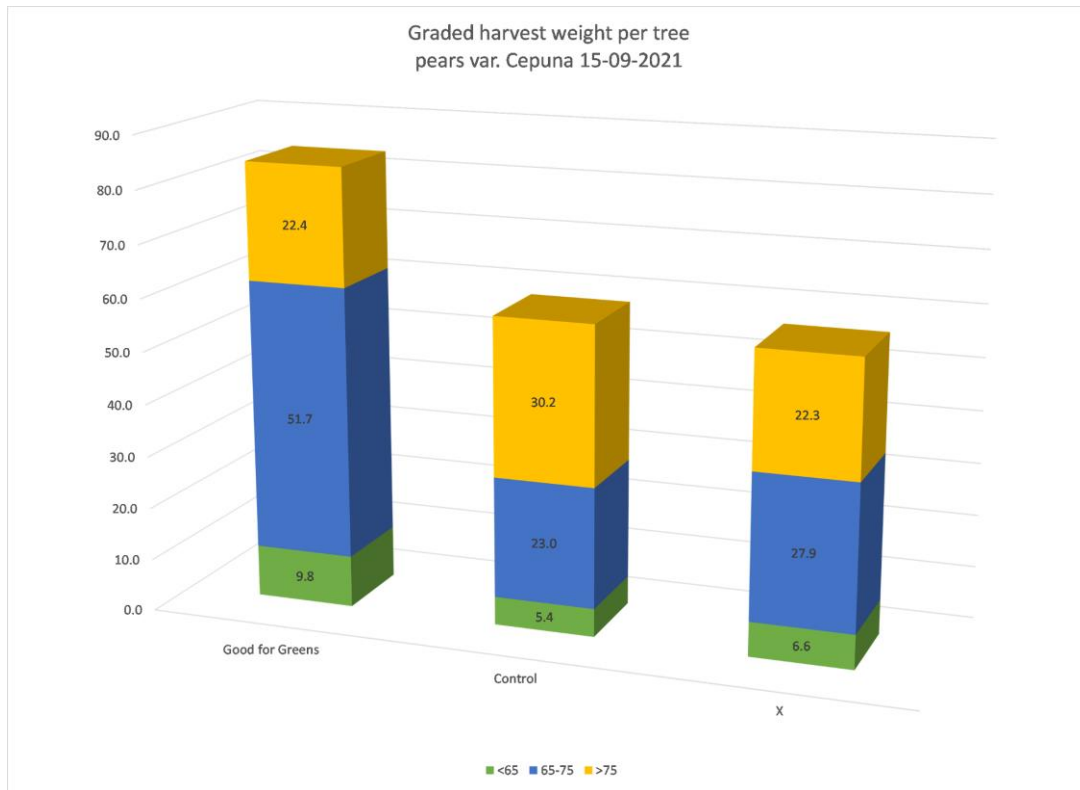


Fig. 2 Result of grading Cepuna pears

