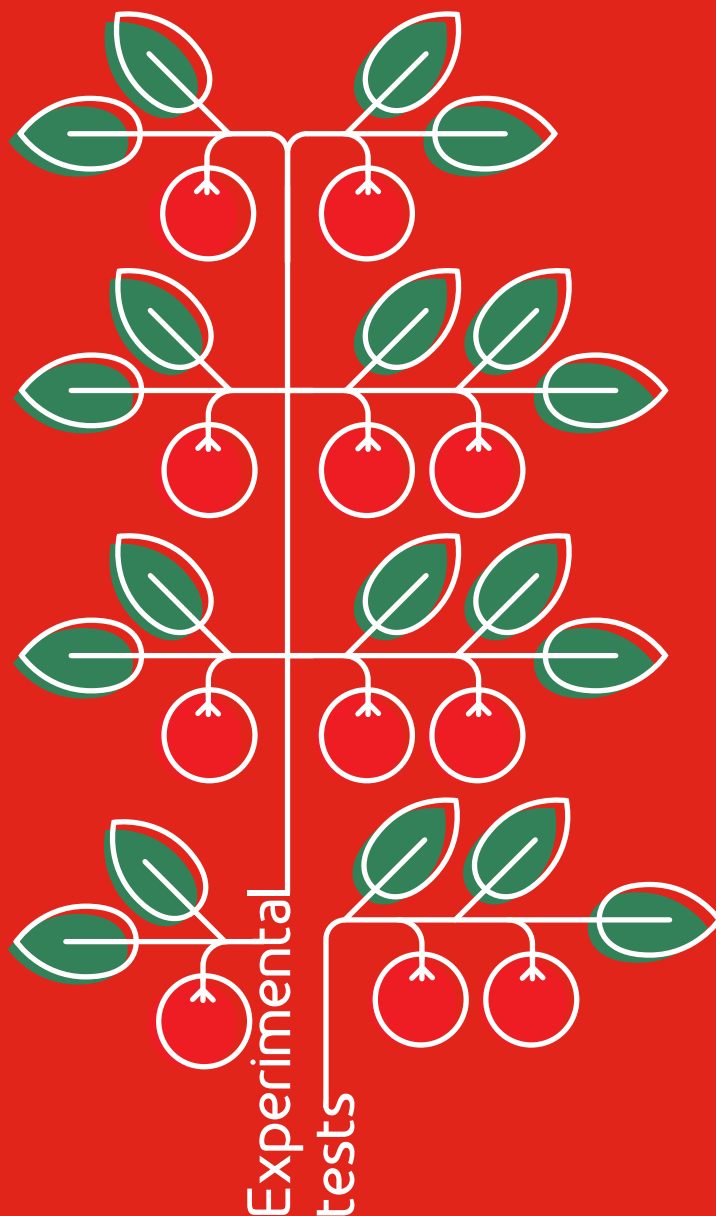


BIALGA

15

BETTER FRUIT
QUALITY



hydro fert



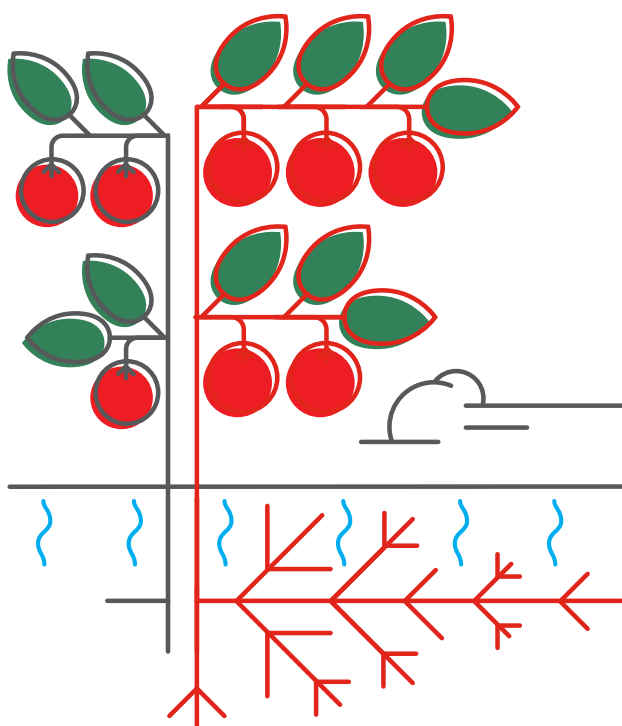
Bialga 15

1L	5 - 20 L	120 L	1000 L

A growth promoter made up of 15% seaweeds, also containing natural PGR (plant growth regulators), enzymes, proteins, vitamins, amino acids and polysaccharides.

BENEFITS

- better fruit quality
- superior root development
- stronger resistance against stress



Bialga 15 is a growth promoter with biostimulant action, made up of 15% seaweeds (*Aschophyllum nodosum*), also containing natural PGR (plant growth regulators), enzymes, proteins, vitamins, amino acids and polysaccharides. This product is apt to get many benefits, such as: better fruit setting, bigger high-quality yields, higher dry matter content, thus resulting in longer shelf life of fruits, superior root development, stronger plant resistance against stress and a significant reduction of chlorophyll degradation. It can be used both in foliar applications and fertigation.

Root biostimulation and fruit quality

A wider root system can better absorb the nutrients, which would otherwise get wasted due to leaching or runoff. As a result, we can achieve an increased fertilization efficiency.

Besides, plants with more vigorous roots have a stronger resistance against biotic and abiotic stress, leading to bigger fruits and higher-quality and more abundant yields.



Tomato crops in open fields



MATERIALS AND METHODS

Species	<i>Solanum lycopersicum</i> var. HEINZ 1538
Experimental design	Fully randomized blocks
Test duration	14 weeks: 13/05/2019 (transplanting) – 23/08/19 (end of trial)
Temperature	According to the climate trend in the countryside of Trinitapoli (Italy)
Relative humidity	According to the climate trend in the countryside of Trinitapoli (Italy)
Lights	Typical of the trial period
Substratum	Sandy and loamy soil
Methods of administration	Fertigation
Compared treatments	Control and Bialga 15 (20 l/ha)
Number of applications	3 (flowering, fruit setting, fruit growth)

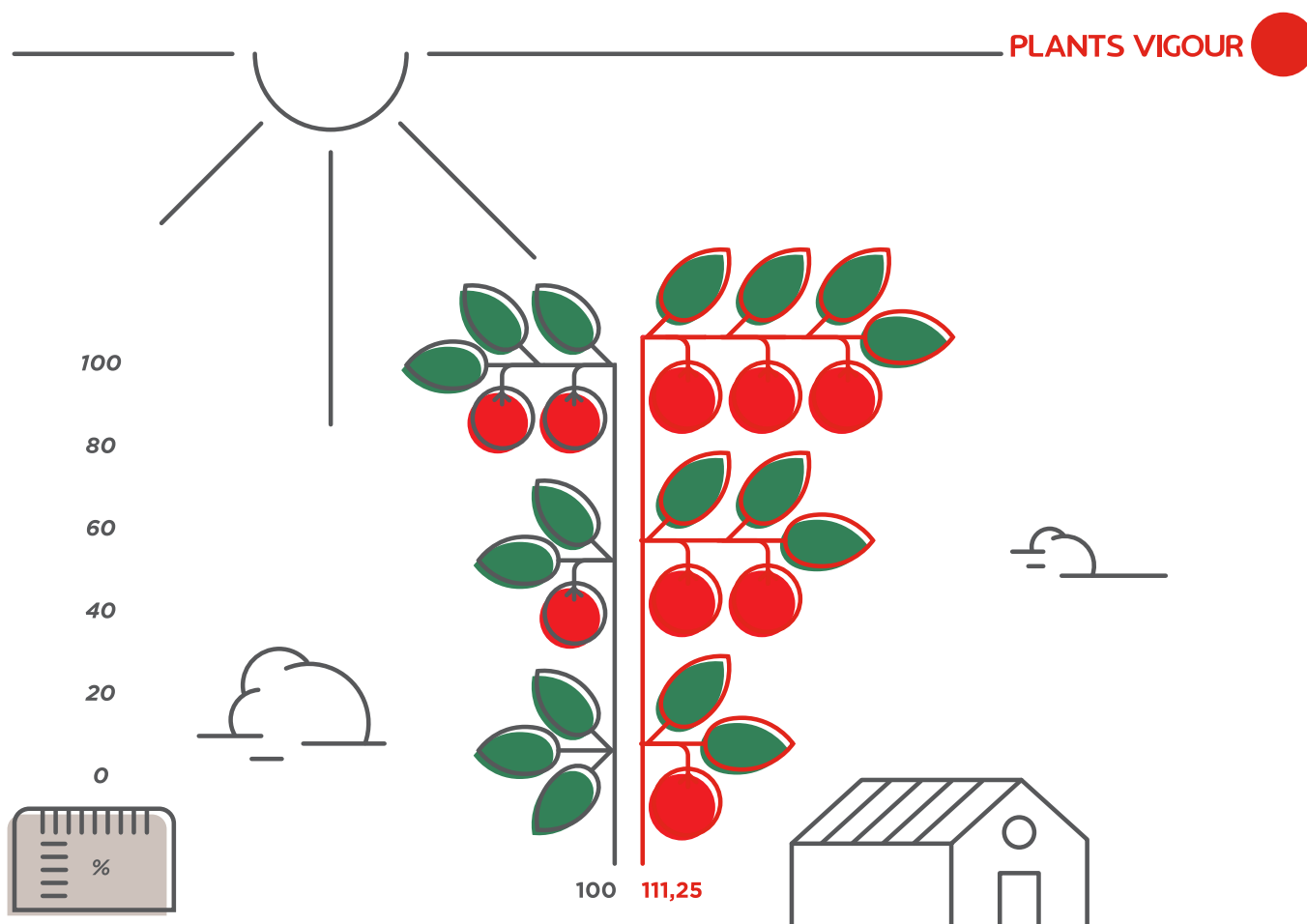


FIG 1 - Average vigour of plants in two compared treatments.

Bialga 15 increases the vigour of tomato crops, thanks to the seaweeds inside the product which promote the growth rate.

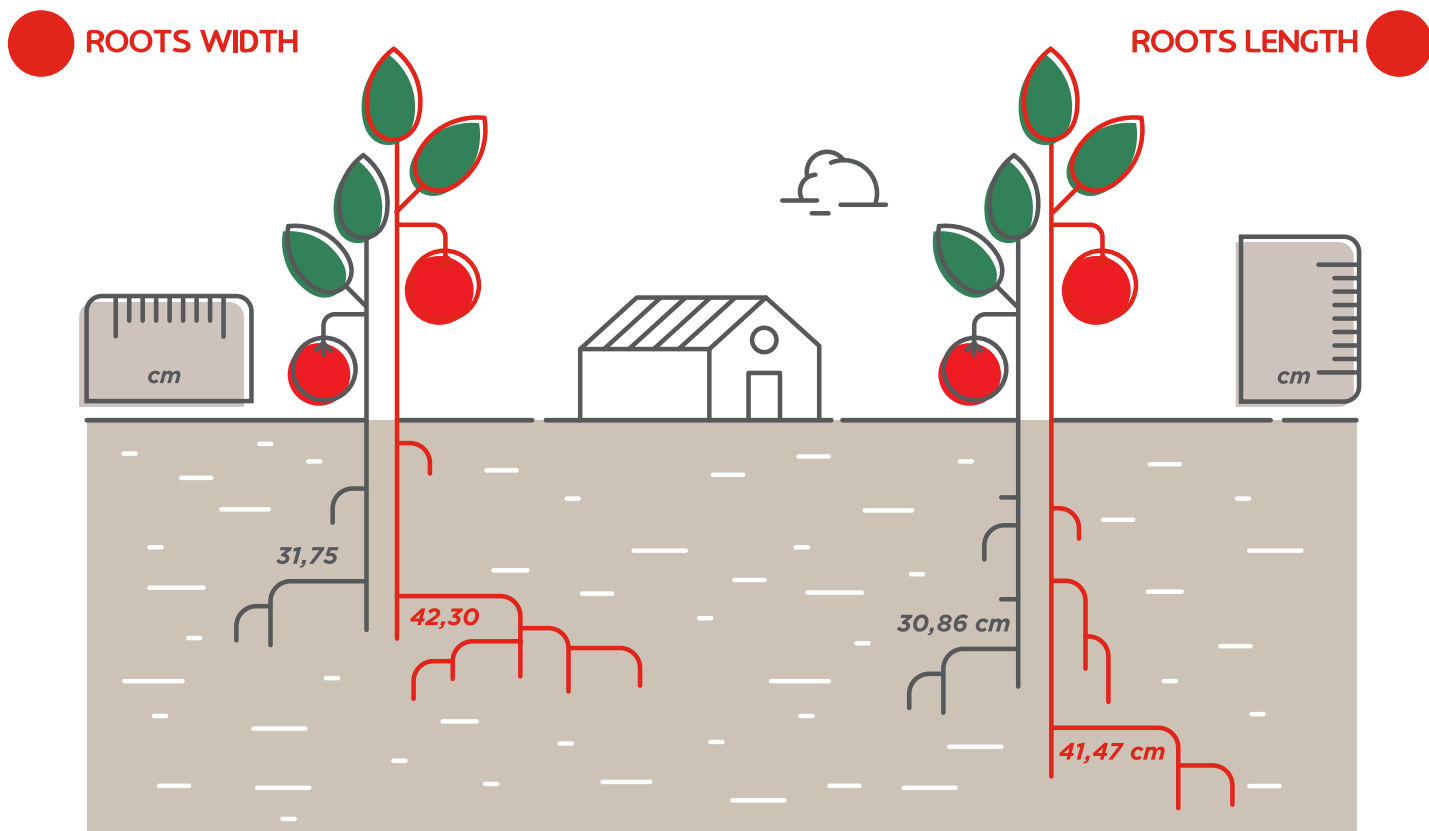


FIG 2 - Width and length of roots in two compared treatments.

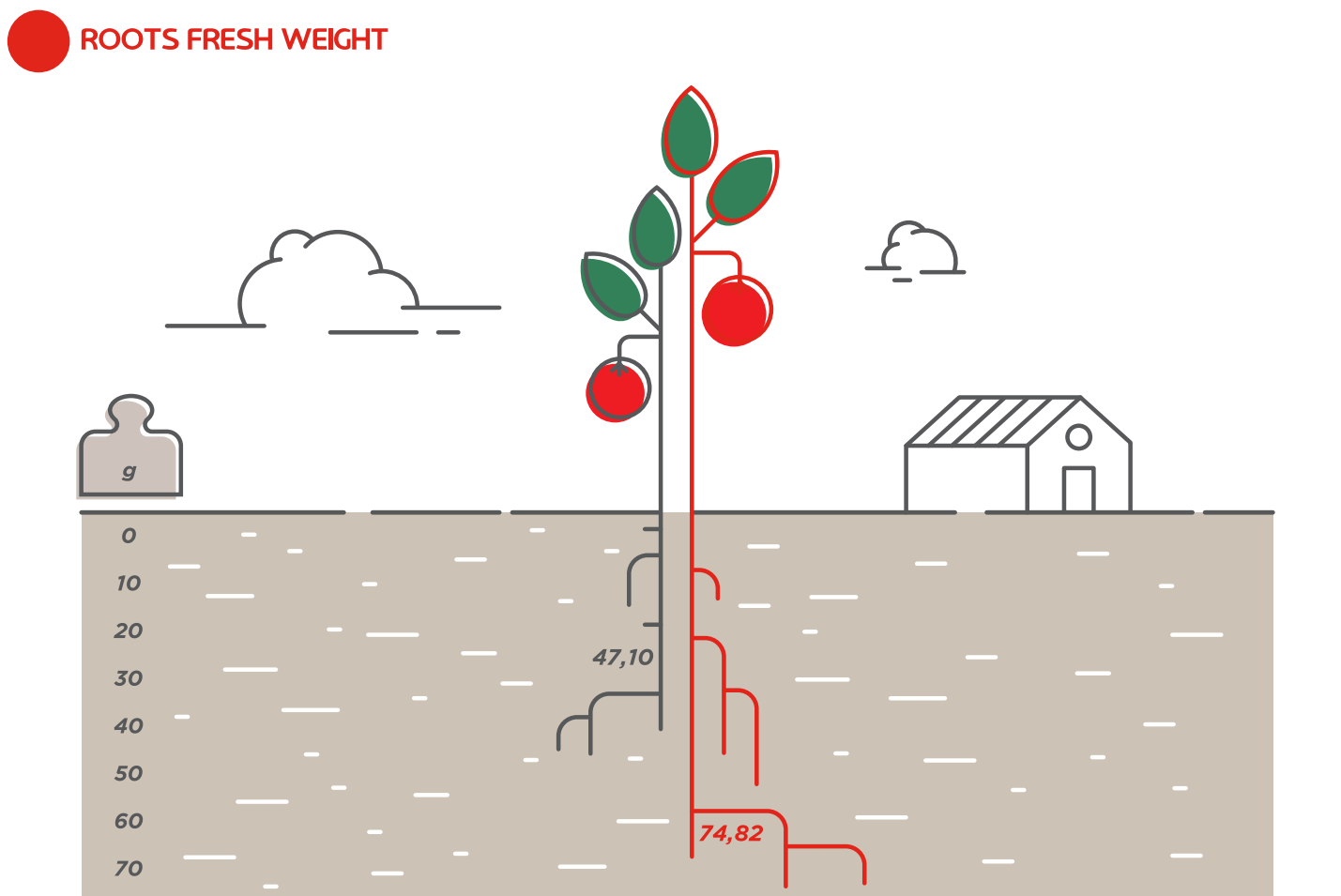


FIG 3 - Fresh weight of roots in two compared treatments.

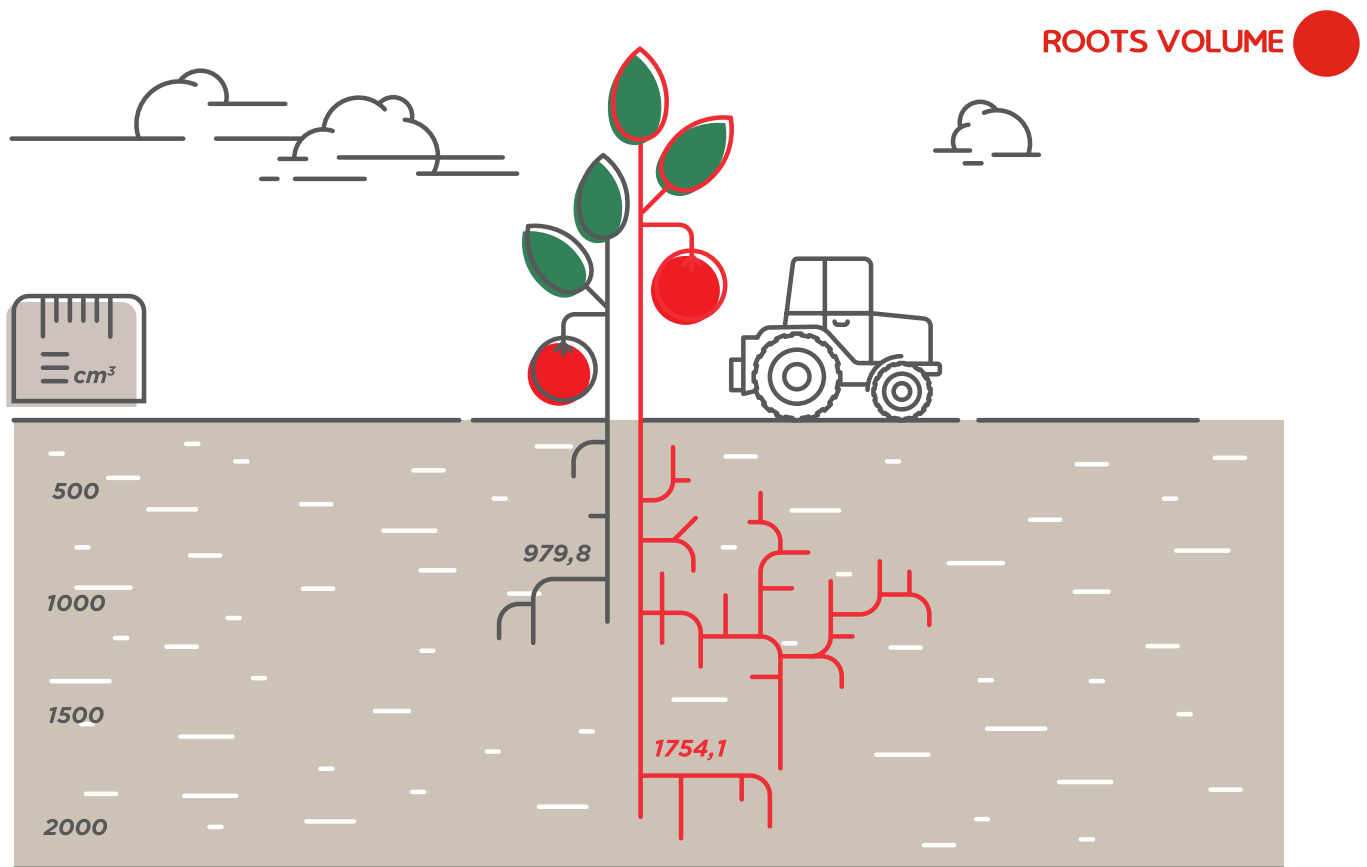


FIG 4 - Roots volume in two compared treatments.

Bialga 15 - thanks to its seaweeds content - positively influences length, width, fresh weight and volume of roots. A wider and deeper root system increases the resistance of plant against biotic and abiotic stress. Such greater soil exploration improves the absorption of nutrients, with a consequent better nutritional status of crops.

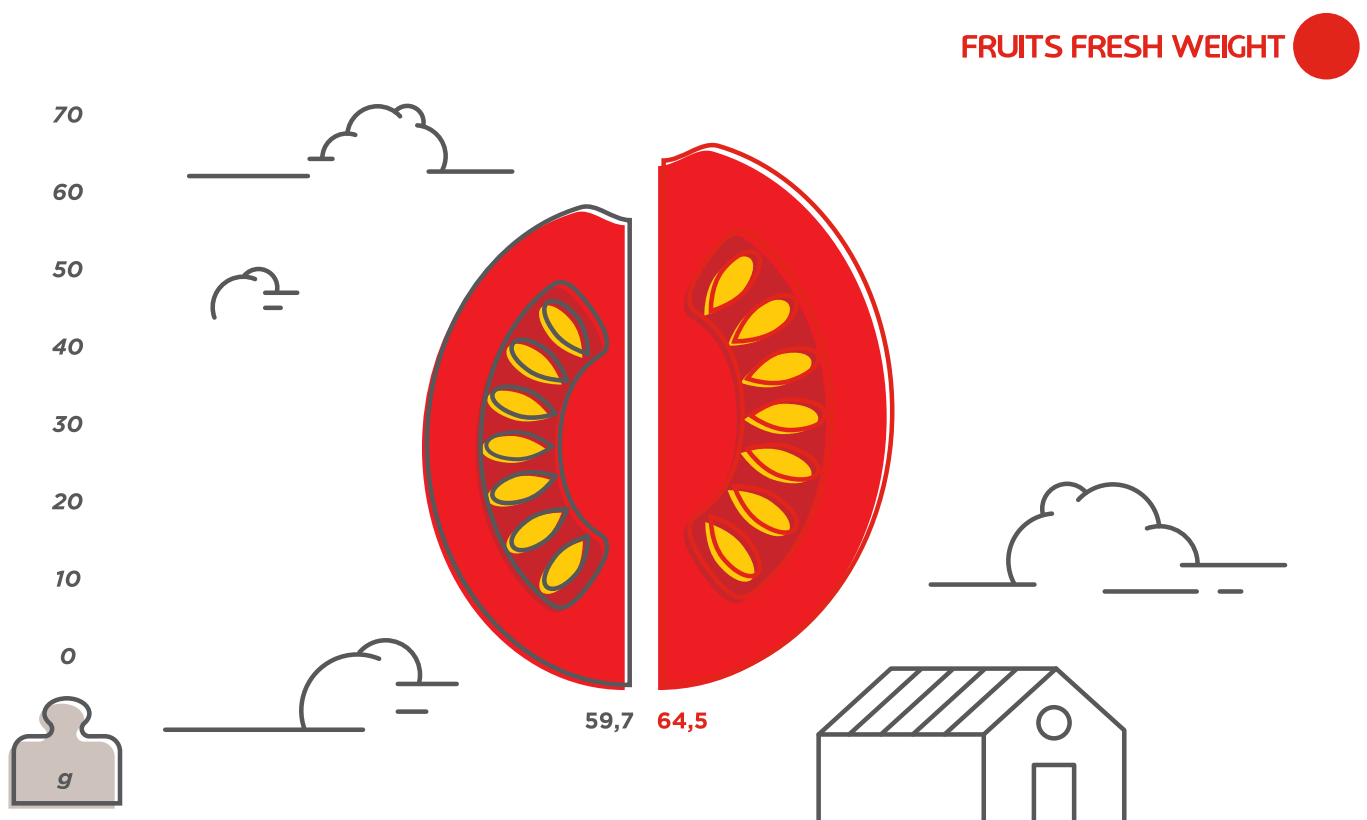


FIG 5 - Average fresh weight of fruits in two compared treatments.

FRUITS SIZE

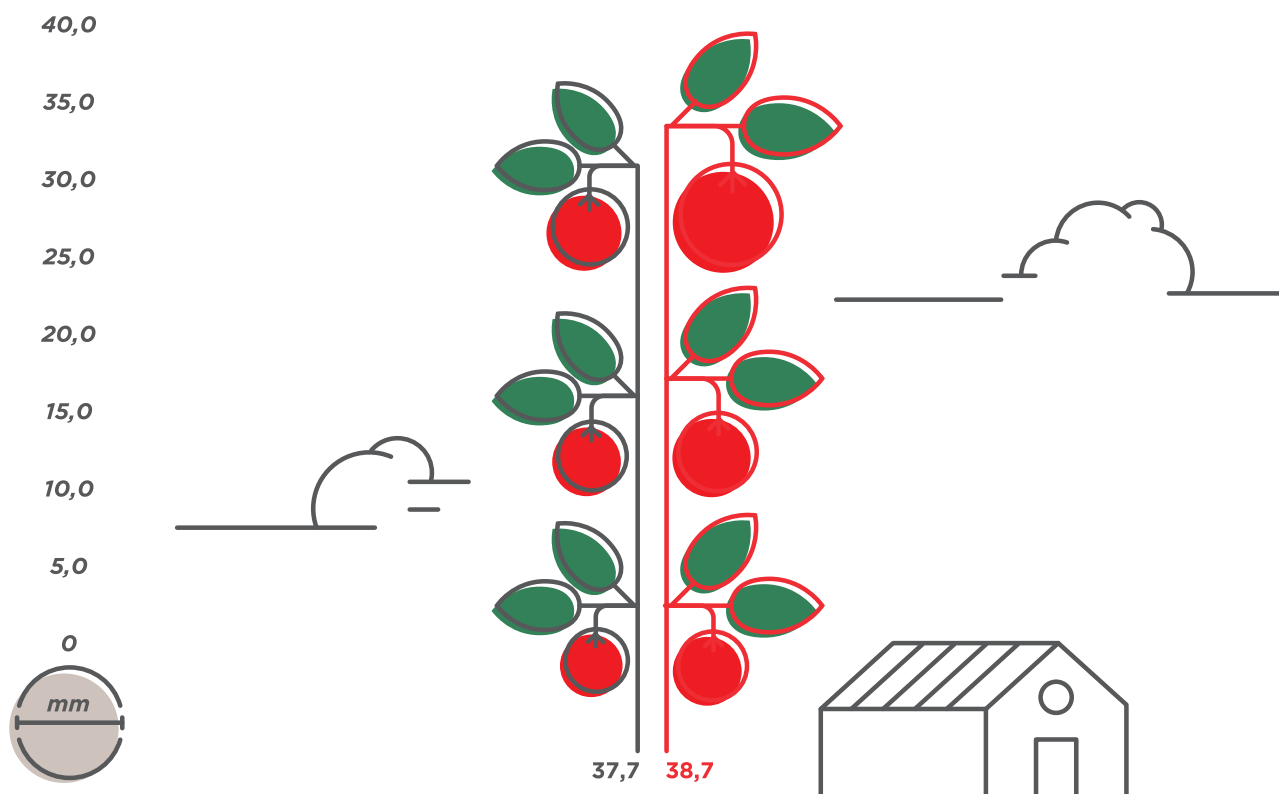


FIG 6 - Average fruits size in two compared treatments.

FRUITS DRY MATTER

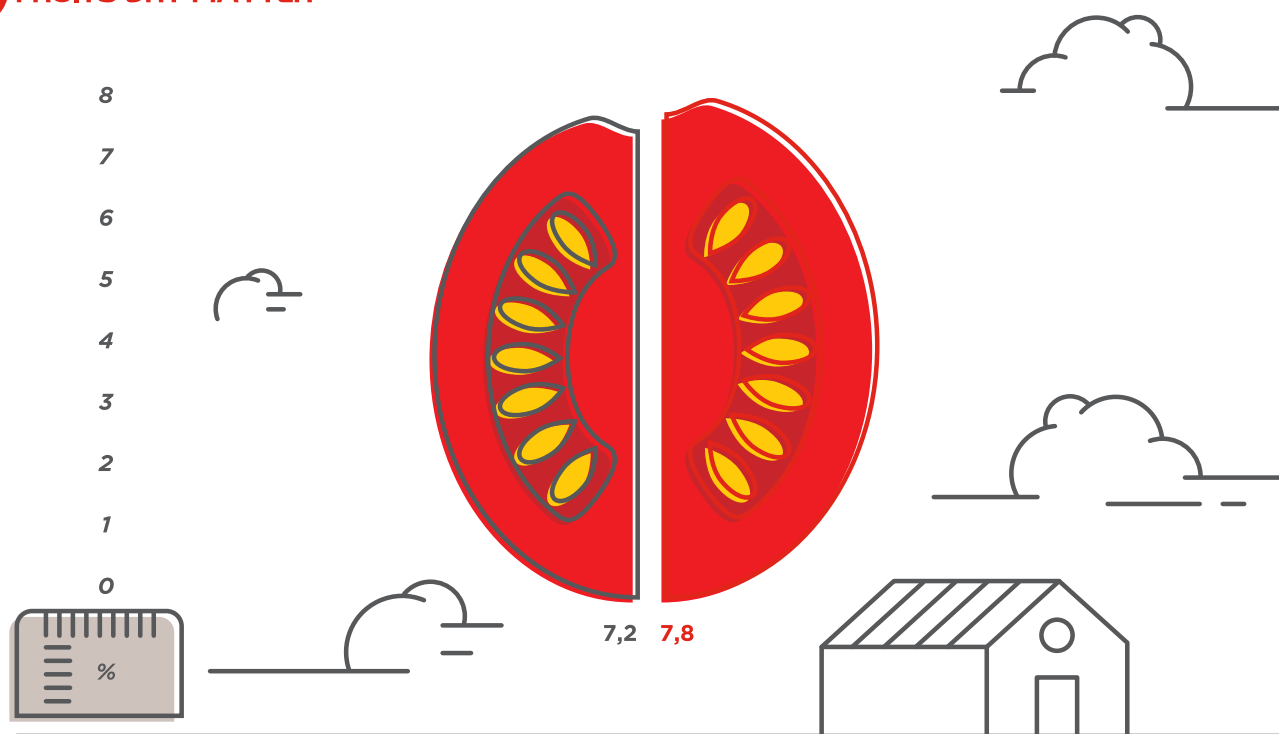


FIG 7 - Dry matter of fruits in two compared treatments.

The results confirm that Bialga 15 increases fresh weight, size and dry matter of fruits. All parameters proving the better quality and quantity of yields. Such features are a direct consequence of Bialga 15 production of hormones (cytokinins, auxins, abscisic acid), substances able to improve the photosynthetic efficiency and the growth, thus resulting in bigger, high-quality yields.

LEGEND



Bottle



Jerrycan



Foliar application



Fertigation



BIO Allowed in organic agriculture



RS Technology

