



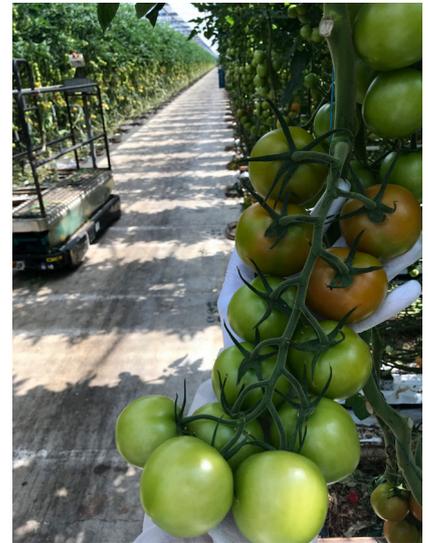
De Ruiter™

July 26th 2019

Growing tips Completo

De first crops of Completo were transplanted in the middle of June. The fifth cluster is flowering now, and within a few weeks, we expect the first ripening fruits. The first weeks were grown with a lot of speed to set the plant in balance by an increasing fruit load. This happens very well; we see a well-balanced crop with a beautiful dark green color, nice head size, regularly truss development, and good fruits.

By the vegetative impact of this variety, we see a little bit style standing trusses and big flowers, but still an excellent fruit set. This is direct then main success factor for this variety. Look at the truss development and position and at the flowers. We want to see a good curled Truss with a more horizontal position in the head of the plant. And on the trusses nice generative flowers for a good and regularly fruit set. A generative flower is not big, the calyx is curled, and the color is dark yellow. You can realize this with a proper greenhouse humidity and an "open" greenhouse climate.



Take control

With a good humidity control, you can remove moisture out of your greenhouse. You want to remove moisture, therefore, start by opening the windows. Depending on the external conditions, such as RH, wind, and temperature, mostly a small window opening is enough. By colder weather the window gap provides heating. If the opening of the windows is not enough to lower the humidity, then you can put in a minimum pipe on humidity. Preferably is this the growing pipe between the plants at fruit ripening position. Important by humidity control is that the greenhouse temperature may not rise; this gives weakness. By this method of humidity control, moisture is removed through the windows, without extra plant activity and it saves energy.

Leaf Area Index

The other point to make crop generative with sound trusses and flowers is to manage the LAI (Leaf Area Index). This starts directly by removing a leaf in the top of the plant. So you reduce the LAI and there comes more light on the developing trusses and fruits what give a better plant balance. By defolating under you can adjust the LAI into your desired LAI. And remember a high LAI provides more moisture input.





De Ruiter™

Steer on growth

The average 24h day temperature can steer the speed of growth. This temperature is dependent on the amount of available light and growing stage. With the excellent speed, we regularly see the same stem thickness of around 10 /11 mm at the flowering cluster. If we still measure look than also at the leaf length, the ideal is 40 – 45 cm (mark two weeks ago), this tells us about the plant balance. A vegetative crop gives big leafs and generative cops shorter leafs. Take care for enough growth/power for future growth and enough fruits per cluster.

In the first stage of the culture, we give more limited water. Bij giving to much water there can develop a more vegetative crop, and we see this especially in the flowers. They become bigger and pale. Drainage percentage can be low, and EC level in the slab may increase till the first harvest.

Keeping plants generative

If the energy consumption of the plants become more than the sun can give, we start with adding artificial light. We start first by putting the lamps on at day time. So we can keep the plants generative. In depend on plant demands, we ad more lighting hours at which the naturally sunset time the end of the lightning day is. We put the extra hours in the beginning. For a good light interception of the plant take care of the dividing of the plants. Lowering the plants soon and divide them carefully and look at an even high. Take extra care for the extra made head from side-shoots.



Good luck with Completo!



All information concerning the varieties and their performance given orally or in writing by Monsanto or its employees or its agents is given in good faith, but is not to be taken as a representation by Monsanto as to performance and suitability of the varieties sold. Performance may depend on local climatic and other causes. Monsanto assumes no liability for the given information.

© 2019 Bayer Group. All rights reserved. DeRuiter® is a registered trademark of Bayer Group.