



Sustainable Winter Greenhouse Strawberries with Grow Lighting

Modern consumers wish to enjoy strawberries with full flavour year-round. In wintertime there are no real flavourful strawberries around for the real strawberry lover. With the recent introduction of strawberry Delizzimo® it is possible to enjoy gourmet strawberries even in mid-winter. Thanks to the unique concept of seed propagated F1 hybrids these strawberries can be produced locally in a sustainable way.

Commercial Fruit Production

As follow up to an extended breeding program, in 2013 ABZ Seeds started production- and marketing research with ever bearing strawberry F1 hybrid Delizzimo® in a greenhouse with assimilation lighting. In subsequent years a growing protocol for production of flavourful F1 hybrid strawberries in wintertime was developed. In winter season 2015/2016 first commercial crop was produced in Holland. In a greenhouse with 14.000 Lux assimilation SON-T lighting during five months, December-April, a total yield of 10 kg/m² fruit was achieved.

Demo-trial

Nowadays seed raised plant material of day neutral strawberry F1 hybrids opens new ways in the search for sustainable strawberry production. At Trial Station Zwaagdijk a winter assessment trial is running with our latest F1 experimentals under a hybrid version with 120 micromol LED and 80 micromol Son-T. On this demo-trial we show new flavourful candidates for our Delizzimo® concept for sustainable winter production.

During production season October – April the demo-trial is open on appointment for visitors from the strawberry industry.



Production schedule Delizzimo® with grow lighting: plant-flower-fruit

Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Green	Green	Green	Grey	Red	Red	Red	Red	Red	Red	White	White
White	Green	Green	Green	Grey	Red	Red	Red	Red	Red	Red	White
White	White	Green	Green	Green	Green	Grey	Red	Red	Red	Red	Red

- Plant nursery:** seed – flowering plant
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- Glass house:** harvest period

Advices for cultural practice:

Information provided by ABZ Seeds, in any form whatsoever, is without commitment.

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