

凌源“奥黛丽”甜椒日光温室生产技术

颜 津 宁

(凌源市蔬菜花卉管理局,辽宁 凌源 122500)

摘 要:根据甜椒“奥黛丽”的品种特性和凌源产区的温室特点,总结出保护地栽培技术要点,以期生产提供理论技术指导。

关键词:“奥黛丽”;甜椒;生产技术

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凌源市地处中纬度温带大陆性季风气候区,干燥寒冷期长,春秋季节风大,雨量集中,日照充足,四季分明,全年日照时数为 2 748.1 h。近年来建设多栋日光温室用于蔬菜生产,其主要作物为黄瓜和青椒。其中青椒面积占 0.22 万 hm²,主栽的青椒品种“奥黛丽”主要种植于大王杖子、宋杖子、城关镇等乡镇,其中宋杖子镇范杖子村的甜椒栽培已形成一定规模。随着栽培面积逐年扩大,栽培模式也由个体农户向专业合作社转变,为了便于统一管理、保证产品质量,根据经验总结出“奥黛丽”甜椒栽培技术要点,为生产提供一定指导。

1 青椒特性

“奥黛丽”甜椒属早熟品种,植株节间短,侧枝少,易管理;连续坐果能力强,耐寒性好,返头快,果实大小适

中,长方形,果长约 14 cm,果径约 7.5 cm,平均单果重 220 g;果实整齐性好;青椒颜色较浅,光泽度好,硬度大,耐运输;成熟时颜色由绿转红;抗病毒;适宜早春、秋延及越冬保护地栽培。甜椒作物主根不发达,根量少,根群大多分布于 10~15 cm 的表土层中,根系不能缺水,又不能浇大水,应小水勤浇;喜温但棚温不能过高;根系再生能力比番茄、茄子弱,追肥浓度不能过大。

2 栽培技术

2.1 播种育苗

因夏季对育苗设施要求较高,一般应订购工厂化生产的优良种苗。播种期一般在 7 月中旬至下旬,苗龄 45 d 左右。苗高 15~20 cm,茎粗 0.35 cm 以上;叶片完整无缺损,叶色浓绿,6 片叶以上到显蕾,无病虫害;根系发达,亮白色、不散坨。

2.2 播前准备

定植前按每 667 m² 施腐熟猪粪 8 m³,尿素 20 kg,磷酸二铵 30 kg,硫酸钾 20 kg,饼肥 200 kg,酵素菌肥

作者简介:颜津宁(1983-),男,硕士,农艺师,现主要从事蔬菜和花卉栽培技术推广及百合种球繁育等工作。E-mail:yanjinling@163.com.

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Construction and Performance Experiment of Integrated Control Irrigation System for Remote Monitoring of Greenhouse

ZHANG Chuanshuai

(Beijing Agricultural Machinery Testing and Extension Station, Beijing 100079)

Abstract: In recent years, irrigation equipment which used in greenhouse are needed for water saving, automation and intelligent function. So a closed irrigation system was presented. The system which based on the configuration software could be used for remote control, monitoring of data, browsing and recording. The soil moisture sensor, the large temperature and humidity sensor, the electronic remote meter and the electromagnetic valve were used for monitoring and control of the information. The results showed that the yield of a closed irrigation system increased by 4.9% more than the traditional irrigation planting, along with saving 20% of the water. If the same kind of irrigation system was used, 31.2% of the water were saved with the same harvest.

Keywords: remote monitoring; solar greenhouse; water saving irrigation; intelligent irrigation