

How to Grow Hydroponic Bell Peppers in Africa

Advantages of Hydroponics

Hydroponics offers several advantages, such as saving on land space required for capsicum cultivation, efficient water usage due to recycling systems, and nutrient recycling. Additionally, labor is reduced as there is no need for weeding in hydroponics, and pest and disease control is significantly improved, reducing the need for chemical treatments. Crop rotation is also unnecessary.

Choosing colored capsicums

The choice to grow colored capsicums is based on their higher market value compared to other common vegetables suitable for trough systems. Capsicums command a higher price per kilogram and are energy-efficient to maintain.

Capsicums have distinct advantages over conventional produce, including better quality and a longer shelf life. This is attributed to hydroponics, which provides capsicums with the necessary nutrients for robust growth, resulting in more flavorful and durable fruits. To enhance shelf life further, wrapping capsicums in cling film paper helps retain moisture, preventing wrinkling.

Grandeur Africa supports farmers by assisting with market access and providing value addition training. This empowers farmers to generate additional revenue from grade three tomatoes or capsicums that may not make it to the standard market. Value-added products also enjoy extended shelf life and higher market value.

Red capsicums can be used to make pasta sauce, barbecue sauce,

meatball sauces, and other culinary creations. Yellow capsicums can be canned or processed into powder, while tomatoes can be used to make canned sauces.