

Vegetable Information

Vegetable Name: Carrots

Farm Size : 10 - 100 perches

Farm Location : Nuwara Eliya, Badulla, Kandy, Matale, Ratnapura

Soil Type: Well-drained sandy loam or loam soils

Soil pH Level: 5.8 - 6.5

Seed Source: Sri Lanka's Department of Agriculture (DOA), Ceylon Seed Corporation Ltd, International Seed Suppliers

Water Source: Rain-fed, wells, reservoirs

Irrigation Methods: Drip irrigation, sprinkler irrigation

Growth Cycle

Planting Duration : 90 - 110 days

Expected Harvest : 6.3 - 7.6 kg per perch

Actual Harvest : 5.5 - 8.0 kg per perch

Seed Details

Seed Requirement : 0.5 - 1.0 g per perch

Seed Cost : Rs.0.23 - 1.21 per gram

Water & Irrigation

Water Requirement : 10 - 15 liters per perch per day

Irrigation Schedule: Every 2-3 days

Irrigation Cost : Rs. 0.5 - 2 per liter

Fertilizer & Pesticide Usage

Fertilizer Types:

Urea, Diammonium Phosphate, Muriate of Potash, Calcium Nitrate, Compost, Cow Dung, Vermicompost, Green Manure, Zinc Sulfate, Magnesium Sulfate

Fertilizer Application Method: Basal Application, Top Dressing; Foliar Application, Fertigation, Band Placement

Fertilizer Application Frequency:

Basal application once,
top dressing 2-3 times during growth

Fertilizer Quantity 0.003 – 5kg per perch

Fertilizer Cost: Rs. 20 – 600 per kg

Pesticide Types: Insecticides, Fungicides, Nematicides, Herbicides, Biopesticides

Pesticide Application Method: Spraying, soil application

Pesticide Application Frequency: Every 10-14 days

Pesticide Quantity : 10 - 20 ml per perch

Pesticide Cost: Rs. 1000 - 3000 per liter



Labor & Economic Factors

Total Labor Hours per Perch: 10 - 15 hours

Labor Cost per Hour : Rs. 300 - 500 per hour

Market Price per kg : Rs. 80 - 150 per kg

Total Revenue : Rs. 504 - 1200 per perch

Profit/Loss (Rs.): Highly variable, dependent on input costs and market prices.