



Carrot

Soil, temperature, nutrients

Roots grow well in light, well-drained soils rich in organic matter. Fertile sandy soils allow roots to grow deep and properly. For ideal development the soil pH should be between 6,5 and 7,5.

Temperature

Carots growth is optimal between temperatures of 15° to 20°C, and the roots also develop the best color and flavor at such temperatures. At temperatures below or above the optimum, the roots are short, the color and flavor are poorer. The best quality carrots are obtained when weather conditions favour regular uninterrupted growth. Higher temperatures are necessary if we grow these plants for leaves or for seed. Roots need high amounts of potassium and calcium. The ratio of potassium, calcium and nitrogen is 2-2-1 or 3-3-1.



Base fertilizing

To satisfy the nutrition demands, we recommend using **Agromaster** partially coated fertilizers with controlled release of nutrients, which are able to supply the plants with the necessary macronutrients even up to 2-3 months after application. **Agromaster** can be applied either in a row at a distance of 10-15 cm from the plants or incorporated in a bed.



see recommendation
on the next page



Timing	Product	Fertilizer Type	Longevity	Dose rate kg/ha	No. of applications	Timing
Soil preparation	Agromaster[®] 11-11-21+14SO ₃	30% N CRF		600-800	1	Mar-Apr
	 Polysulphate 0-0-14+17CaO+6MgO+48SO ₃	BIO	-	500-1000		
	PKplus 29-5+2MgO+7S+21 CaO 20-20+2MgO+6S+15CaO 15-30+6MgO+6S+15CaO	-	-	600-800		

* The nutrient release time (longevity) is calculated at a temperature of 21 C.

** The recommendations presented in this factsheet are based on specific conditions. Choose application rates depending on soil analysis and fertilization management. For more information about our products, please visit <https://icl-sf.com/>... or contact the ICL SF representative in your area!



Polysulphate is a completely natural, multi-component fertilizer that contains sulfur, potassium, magnesium and calcium.

Method of application:

- in a row, incorporated into the soil before planting / sowing
- spreading and incorporation into the soil 2 weeks before planting or sowing.



BIO fertilization

Foliar fertilization

Foliar fertilization applied in the right phase of vegetation is the fastest and most effective way to provide nutrients that are easily assimilated by the plant. The use of **Agroleaf Power** foliar fertilizer in the appropriate development phases eliminates the negative effects of the lack of macro- and microelements.



Timing	Product	Dose rate	Frequency
5-8 leafes	Agroleaf[®] Power Total , 20-20-20+TE	low rate 3kg in 300 l/water	1-2 applications, every 7-14 days
Root development	Agroleaf[®] Power High K , 15-10-31+TE	high rate 5 kg in 500 l/water	3-6 applications, every 7-14 days

* The recommendations presented in this factsheet are based on specific conditions. Choose application rates depending on soil analysis and fertilization management. For more information about our products, please visit <https://icl-sf.com/>... or contact the ICL SF representative in your area!

- spray at a concentration of 1-1.5%, adhering to the recommended dose per hectare
- spray early in the morning or later in the afternoon if the air temperature is below 25 °C
- avoid spraying plants that are in under stress or in unfavorable climatic conditions
- add a wetting agent to the solution for better adhesion of the spray to the leaves
- Agroleaf Power products can be mixed with pesticides and other fertilizers – consult our technical consultants about specific products

Foliar application tips