

HEADLAND CARNIVAL

Soluble inorganic micronutrient

Contains calcium (22.5% w/v CaO) and magnesium as nitrates with boron and zinc.

Crops: To correct micronutrient imbalance and to prevent disorders related to calcium shortage in a wide range of agricultural, horticultural and fruit crops.

Pack size
36 x 2 x10 liters
4 x 200 liters
1 x 1000 liter (IBC)

Introduction: Headland Carnival contains calcium, magnesium, nitrogen, zinc and boron formulated to maximize uptake of calcium with additional nutrients to aid the production of quality fruit and vegetables.

Formulation:	Calcium as CaO	22.5% w/v	15.0% w/w
	Magnesium as MgO	3.0% w/v	2.0% w/w
	Total nitrogen	14.9% w/v	10.0% w/w
	Nitrate nitrogen	14.1% w/v	9.47 % w/w
	Ammoniacal nitrogen	0.8% w/v	0.53%w/w
	Zinc	300ppm w/v	200ppm w/w
	Boron	750 ppm w/v	500ppm w/w

A concentrated stable liquid formulation for easy mixing & handling.

Rates of Use:

Apples:

Low concentration of calcium increases the risk of bitter pit, russetting, skin splitting, cracking, surface rupture and can seriously affect the potential for crop storage. Applications of calcium help to condition the tree throughout the growing season.

Rates:

2 - 5 l/ha from bud burst to the beginning of flowering, repeated every 7 - 10 days.

5 - 10 l/ha from petal fall to one week before harvest, repeated every 10 - 14 days.

Water Volume:

Depending on tree size 200 - 500 l/ha, applying sufficient water to reach onset of runoff.

Timing:

The exact rates and timing can be manipulated to suit local spraying practices. Avoid spraying during high temperatures. If temperatures exceed 21°C and spraying cannot be delayed, use the lower rate and apply at frequent intervals to give the same total amount over the season.

Spraying in the late afternoon or early evening has been shown to reduce the risk of scorch.

Young foliage is more susceptible to phytotoxicity.

Strawberries:

To improve fruit firmness and prolong shelf life.

Rates:

Maintenance - 2.5 l/ha

Deficiency - 5.0 l/ha

Water Volume:
500 - 1000 l/ha

Timing:
Apply from start of flowering. Repeat at 10 – 14 day intervals as necessary.

Carrots:
For prevention of deficiency.

Rates:
5.0 l/ha

Water Volume:
At least 200 l/ha

Timing:
2 – 3 applications at 10 – 14 day intervals beginning at the pencil stage.

Celery:
Blackheart, a localized calcium deficiency usually occurs in young, immature leaves at the centre of the plant. Spray to ensure the Carnival reaches the heart of the plant.

Rates:
Up to 5.0 l/ha

Water Volume:
At least 200 l/ha

Timing:
When symptoms of deficiency are first seen.

Outdoor lettuce:
In order to prevent tip burn it is essential that Headland Carnival is applied directly to the susceptible tissue. Early treatment is essential. Do not apply to protected lettuce.

Rates:
5.0 l/ha

Water Volume:
At least 200 l/ha.

Timing:
Begin application before head formation and repeat every 10 - 14 days as necessary.

Potatoes:
For the reduction of calcium deficiency related disorders.

Rates:
5 l/ha

Water Volume:
Use sufficient water to ensure good cover of the haulm.

Timing:

When required; repeat after 10 – 14 days

Vegetable brassicas:

For the prevention of deficiency problems in cauliflower, cabbage, Brussels sprouts and chinese leaves.

Rates:
5 l/ha

Water Volume:
At least 200 l/ha

Timing:
Spray early in the growing season at 7 - 10 day intervals

Application: Half fill the spray tank with clean water, begin agitation and add the required quantity of Headland Carnival. Add the rest of the water and apply without delay. Maintain agitation whilst travelling and spraying. The use of Headland Guard 2000 at 0.1% v/v is recommended to improve rainfastness. Contact Headland Agrochemicals for more information.

Compatibility: Headland Carnival is compatible with most spray applied agricultural chemicals. Consult your supplier for the latest information. Alternatively, up-to-date compatibility information may be found at www.headland-ag.co.uk.

Headland Carnival is incompatible with the following: Headland Boron 15%, Headland Lion, Seamac PCT, Seamac Gold, Headland KudoS, Manganese sulphate, Magnesium sulphate, Headland Zinc, Zinc sulphate.

Should additional manganese/magnesium need to be applied, use a Headland nitrate formulation.

Storage: Protect from frost. Store above 5°C. Do not store in direct sunlight.

Safety Precautions / Label elements under CLP:

Hazard statements: H302: Harmful if swallowed.
H318: Causes serious eye damage.

Signal Words: Danger

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark

Precautionary Statements:

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazardous Ingredients: CALCIUM AMMONIUM NITRATE

Transport: This product is not classified as hazardous for transport.

Date of previous revision: April 2013

Date of latest revision: August 2013

Significant changes since last issue: Rates of Use for Apples and Hazardous Ingredients.