

Modern Company for Fertilizer Production



Technical
Data
Sheet
"TDS"

SuperCal 45[®]

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MCFP

1. Identification of product and manufacturer

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Product name: SuperCal 45

Manufacturer: Modern Company for Fertilizer Production (*MCFP*)

Address: P.O.Box 174 Sahab 11512

Amman – Jordan

Telephone: +962(6)4023691

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2- Fertilizer Description

SuperCal 45 is a liquid suspension fertilizer specially designed with high concentration of calcium.

3- Product composition (W/V %)

Essential elements
Calcium -CaO- 45%

4- Methods of quantitative analysis of the main components of fertilizer

- Calcium (**CaO**): Atomic AS. method.

5- Physical – chemical properties

- **Physical state:** Suspension.

- **Color:** Light brown.

- **Solubility in Water:** Miscible with water.

- **pH:** 8.5

- **E.C:** 0.04

- **Density:** 1.65 g/cm³

6- Compatibility

NOT compatible with high phosphorus and sulfate fertilizers, must make small local experiment before mixing.

7- Efficacy and specifications

SuperCal 45 is a liquid suspension fertilizer specially designed with high concentration of calcium to provide the maximum benefits and rapid taken up of calcium for plant.

Calcium plays important roles in plant growth, cell wall formation, cell division, fruit and root development.

SuperCal 45 can be used to prevent or correct deficiencies of calcium which result in poor root development, yellowing of new plant tissue and fruit and vegetable abnormalities and physiological break down such as blossom end rot.

SuperCal 45 is applicable when nitrate or sulfate is not required by the plant.

8- Product Application

It is recommended to be applied from the early stages of plant and throughout the growing cycle.

SuperCal 45 can be used by foliar application and by fertigation.

9- Mode of action

Absorb by leaf through foliar application or by root through fertigation.

10- Recommended Uses

Crops	Application Rate		Application Time
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	5 – 20 L/ha	150 – 300 ml/100 L	Throughout the growing cycle
Vegetable crops on Greenhouses	10 – 25 L/ha	150 – 300 ml/100 L	
Vegetable crops on open fields	5 – 25 L/ha	150 – 300 ml/100 L	
Nurseries	5-10 L/ha	150 – 300 ml/100 L	Throughout the propagation period
Flowers and Ornamentals	5 – 20 L/ha	150 – 250 ml/100 L	Throughout the growing cycle

*The application rates above are guidelines and relay on deficiency situation on plant, we recommend to use minimum dosage for slight deficiency, and maximum dosage for severe deficiency.

For best results, we recommend to start use **SuperCal 45 from the early stages of plant and throughout the growing cycle.

11- Precautions and storage conditions

Keep out of direct sun light, store in dry, damp free place.

When storing the product frequent temperature fluctuations should be avoided.

Keep out reach of children.

Duration of conservation: 3 years.

12- Packing

SuperCal 45 can be supplied in bottles of 1L and jerry cans of 5 L and 20 L.

13- Fertilizer Recommendation

To fertilize in an economic and environmentally friendly way, it is desirable to analyze the soil and then match the fertilizing process to the needs of the crop.

The period of fertilizing, the quantity and method of fertilizing is also important.

14- Other Information

For other information about this product or any other product manufactured by MCFP, you are kindly requested to contact sales or technical department at mcfp@agrimatco-me.com

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“SuperCal 45”
Effective Reliable Fertilizer