



Caring and Sharing

PACIFIC CAL™



PACIFIC
AGRISCIENCE

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GENERAL INFORMATION

PACIFIC CAL™ is manufactured and designed:

1. To use as a secondary fertilizer consisted of 95% natural Gypsum - Calcium Sulphate Dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) and 5% food-grade Magnesium Sulphate Heptahydrate ($\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$) to increase movable calcium, sulfur, and magnesium ions in soil
2. To promote Nitrogen Fixation and increase the efficient use of nitrogen in plant roots
3. To support Chlorophylls formation and photosynthesis
4. To correct soil surface crusting. This will enable good water penetration and improve the water and air movement in the soil
5. To use as a buffer to appropriate pH
6. To enhance the development of soil organic matter
7. To increase the efficiency of water and nutrient absorption in plant
8. To reduce water runoff and soil erosion
9. To prevent diseases which affect stem root, fruit rots, crack stem and fruit diseases

SPECIFICATION

Chemical name:	Calcium Sulphate Dihydrate
CaO:	28.5%
S:	16.3%
MgO:	0.77%
Appearance and Odor:	Green granular; low odor
Melting Point:	1450°C – decomposes
Solubility in water:	19.2%
Specific gravity ($\text{H}_2\text{O} = 1$):	2.5
pH:	7.0 – 8.0



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DIRECTION FOR USE – GERERAL

1. Application Method: soil application or water irrigation
2. Easily applied by granular mixing and hand or machine spreading, solely or together with any primary fertilizer

APPLICATION DOSAGE

Function	Application dosage
Reduce the subsoil acidity	15 – 30kg / 0.1ha
Increase calcium and sulphur content in the soil	30 – 60kg / 0.1ha
Rehabilitate and buffers soil PH to favourable condition of plant growth	60 – 120kg / 0.1ha
Rehabilitate sodic soils or alkali soils caused by salts built up in the soil*	120 – 240kg / 0.1ha

* The application rate of gypsum can be calculated from ESP and CEC value for actual gypsum requirement.

CONDITIONS OF SALE

1. Seller warrants that this product consists of the ingredients specified and is suitable for the purpose stated in this brochure when used in accordance with the directions under normal conditions of use.
2. The information contained in this brochure is believed to be accurate and is intended solely for general guidance in the use of this product; it should not be construed as a guarantee of suitability for a particular application.