



IMPROVE SOILS WITH NATURAL SUBSTANCES

# Green Cal



- Quality Gypsum
- For Sustainable Agriculture



Green Cal Ultra Fine



Local gypsum



For a quick and cost effective application through irrigation equipment, extremely fine agricultural gypsum products are crucial. They are able to disperse into solution faster than any other agricultural gypsum products.



**97% Minimum Purity**

**98% Average Purity**



# The Properties of Green Cal Gypsum

- Supplies readily available calcium and sulphur without significantly affecting soil pH.
- Improves soil structure, reduces surface crusting, and aids water penetration/absorption and aeration.
- Binds sodium ions with sulphate ions, thereby facilitating the removal of sodium through leaching from the root zone.
- Improves drought tolerance through better soil structure and better plant health.
- Encourages deep root growth promoting plant vigor.
- Effectively counter acts sodium alkaline soils.
- Can be applied in any season.



## Recommendation of Green cal for agriculture

Benefit to soil and plants.	Crops	Application rate of gypsum (kg./hectare)
-Increase calcium and sulphur content in the soil.	-Fruits crops : grapes, orange, apple, citrus, lime, pineapple, cantaloup, strawberry and tropical fruits.	300 - 650
-Correct the surface soil crusting and poor water penetration as a result of heavy rain or irrigation.	-Field crops : peanuts, soybean, mungbean, sesame, rice, corn, sugarcane, cassava, etc.	175 - 350
-Reduce the subsoil acidity.	-Tuber crops : potato, sweet potato, taro, etc.	175 - 350
-Support the balance between magnesium, potassium and micronutrients.	-Vegetables : various kind of edible leaves, pods and fruits.	175 - 350
-Reduce the toxicity of nutrients in soil and plants.		
-Reduce the plant diseases affected to stems, roots and fruits.		
-Increase yield and quality of crops		



Benefit to soil	Purpose of applying	Application rate of gypsum (kg./hectare)
-Combining effects of soil and organic matter increases the soil flocculation.	-Rehabilitate and buffers soil pH to favorable condition of plant growth	500 - 1300
-Increase the soil water absorption and infiltration rate.		
-Build up the nutrient balance between calcium and micronutrients.		
-Works together with water-soluble polymers, soil conditioners to become more effective.		
-Can enhance liming to correct soil acidity.		
-Reclaim sodic soils caused by accumulation of Sodium where the pH raised more than 8 (with exception for salt tolerant crops) in which ordinary crop cannot survive.	-Rehabilitate sodic soils or alkali soils caused by salt built up in the soil.*	500 - 1300



Derived from leonardite, calcium sulphate and lignin sulphonate (pellet binder).

Chemical Analysis	Guarantee
Gypsum (CaSO <sub>4</sub> .2H <sub>2</sub> O)	97.0 %
Calcium (Ca)	23.0 %
Sulphur (S)	18.0 %



Manufactured :

**D.K.T. CO.,LTD.**

Website : [www.dktgypsum.com](http://www.dktgypsum.com)

E-mail : [mail@dkt.co.th](mailto:mail@dkt.co.th)



Distributed by :

**SWANCORP PTY LTD.**

123 Boundary Road, Rocklea QLD4106

[www.swancorp.com.au](http://www.swancorp.com.au)

29 4 J-Building Phaholyothin 3, Phayathai, Bangkok 10400, Thailand.

TEL : 0-2272-4051-3 FAX : 0-2270-0879