

Okita GYPFLO

OKITA GYPFLO IS A SUSPENDED LIQUID "TECHNICAL GRADE CALCIUM AND SULPHUR". THE OTHER IMPORTANT FUNCTION OF OKITA GYPFLO IS BEING AN EXCELLENT CALCIUM SOURCE FOR BOTH SOIL AND PLANT.

PURPOSE AND SOIL ADVANTAGES OF OKITA GYPFLO

- Lowers the salt content like Sodium with Calcium as replacement and with drainage of the salt
- Can also be applied to decrease Aluminium (Al) toxicity and Sodium Chloride (NaCl) as well as heavy metal effects
- Is an important nutrient source of Calcium and Sulphur to both the soil and plants
- Where imbalances between Ca:Mg in the soil content appear (high Mg vs low Ca) content can normally be rectified with Okita Gypflo applications
- Improve the soil structure by creating more soil porosity which contribute to:
 - Better uptake fertilizers like N,P,K,Ca,S,Cu and Mn
 - Better seed emergence rate because of a softer surface crust
 - The creation of more soil porosity therefore lessen the problem of a hard or crusted soil, making it "softer", more production friendly, and as porosity improves, compaction decrease
 - Water absorption and air penetration improve with greater porosity which is necessary for root development
 - Seed and plant growth ability as well as nutrient uptake improve considerably with less Sodium in the soil (Preferable < 3%)
 - Improve production efficiency and immediate nutrient availability to soil and plants
 - Improved soil structure (from 2 - 8 weeks after application)
 - Salt content can start decreasing from 4 weeks onward
 - No till
 - Post-harvest application is not necessary to work into the soil
 - Contribute to stabilizing of humus in the soil
 - Okita Gypflo softens the negative effect of brackish water on irrigated soil
 - Improve favorable soil conditions for micro-organisms and mesofauna (earthworms)
 - Okita Gypflo has an average size of 5 micron. Efficiency increase with increased fineness of the particle meaning that up to 80% quicker results can be obtained

FINANCIAL ADVANTAGES

- It does not need a mechanical spreader to be distributed
- Intensive crops and orchard can be served easily with irrigation
- Application of orchard and intensive crops can be done from a mounted liquid tank
- Differentiate between soil correction and maintenance application. Maintenance applications is lower (≤ 1 / year)
- Much less transport cost (± 25 L Gypflo = 1 Ton bulk Gypsum)
- Cost saving by using existing irrigation equipment
- Regular flushing of the pipe system prevents blocking

PLANT ADVANTAGES

- Improve seed germination if applied with soil preparation, or with planting
- Strengthen and improve plant health following insect or other disease damage
- Strengthen plant resistance against diseases and mites
- Increase Brix content which hardens fruit skin and cell skin, resulting in stronger resistance to bruising
- Improve cell skin structure
- Increase the uptake of other nutrients like Phosphate, Molybdenum and Boron
- Crop applications can be done without expensive implements
- Improve uptake of Calcium in fruit and vegetable crops
- Improve prevention of problems like bitter pit in apples, internal fruit rot, phytophthora and "hollow hart" in vegetables
- Improve shelf life of products
- Improve yield / Ha
- For application with irrigation the dilution with more water can be done provided the recommended volume / Ha is applied

OTHER ADVANTAGES

- Serve as a soil conditioner
- No logistical problems with regards to trucks or external contractors
- No problems with regards to product storage
- Can be applied any time of the year
- Non-toxic to animals or humans
- Contain no heavy metals or toxic ingredients
- No withholding conditions
- Easy applications leave more leniency on time management
- Sustainable improvement from a single application

APPLICATION

It is extremely easy to apply single applications on a regular basis if compared to the inefficient and expensive way of applying the bigger sized bulk lime. Okita Gypflo can be applied through boom spray, drip systems, pivot point, micro-jets, overhead systems or air application. It can also be applied under pressure with a "flood nozzle jet" into the soil.

A) Apply concentrate / Ha diluted as directed underneath:

- Shake well before application (fixed solids drain to bottom)
- B) **Dilution:** 1 part Okita Gypflo with 5 parts water
 - The dilution is fit to apply with spray pumps
 - Application through irrigation can be done with more parts of water, but care must be taken that the required volume / Ha will be applied

CONTENT		APPLICATION TABLE FOR SOILS		
Calcium	- 16%	Sodium	Sand/Loam	Clay
Sulphur	- 12%	%	L/Ha	L/Ha
		5.0 - 7.0	25 - 50	50 - 75
		7.5 - 10.0	50 - 75	75 - 100
		10.0 - 15.0	75 - 100	100 - 125
		15.0+	100 - 125	125 - 150

Note: Mixtures must be used on the same day that it was made



Reg. No. B 4642 (Act 36/1947)

AGENT DETAILS:

For specific crop fertilizers recommendations please contact the office or agent:

OFFICE: 086 100 5051
www.eco-fert.co.za

