



20 MULE TEAM

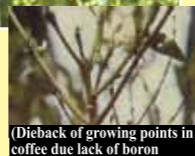
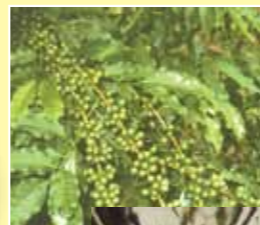
SOLUBOR®

Disodium octaborate Tetrahydrate $\text{Na}_2\text{B}_4\text{O}_{13} \cdot 4\text{H}_2\text{O}$
20.9% Boron

Solubor® is a highly soluble borate micronutrient fertiliser to correct boron deficiency in crops and soils



Severe symptoms and missing kernels on cobs



(Dieback of growing points in coffee due lack of boron)

DESCRIPTION

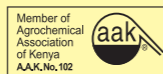
SOLUBOR is a highly soluble borate fertilizer for soil and foliar application to correct boron deficiencies in a wide range of crops. It contains boron, one of the seven essential elemental plant micronutrients for good crop yields and quality even when all the other nutrients are present in the right quantities.

Boron's primary role in plants is to act as a key component in processes such as cell division, fertilization and seed set, cell wall formation and integrity, sugar transport and calcium uptake. Deficiency of boron in the soil and therefore in the plant results in abnormal growth such as apical shoot abnormalities and deformed leaves, stunted growth, poor fertilization and seedset, reduced yields and poor yield quality especially in fruits and vegetables.



TWIGA CHEMICALS

DISTRIBUTED IN KENYA BY:
TWIGA AGRICULTURE,
A Division of Twiga Chemical Industries Ltd.
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TEL: 254-020-530020, FAX: 530022



Manufactured by:

U.S. Borax Inc. California, USA



Net Content: 1KG

RECOMMENDATION

CROP	EFFECTS OF BORON DEFICIENCY	RECOMMENDATION	
		Soil application	Foliar application
Coffee	- die back/death of growing points - flower abortion/berry drop - loss of yield	-	2-3kg/ha(40-60gm/20L of water for 20-25 trees - Two applications per year, before initiation of flowering.
Brassicas	- browning of the curd - cracking of leaves - breakdown of pith - reduced quality of harvest	5-10 kg/ha in 200 litres of water	5-10kg/ha in 200 litres of water
Maize	- Poor filling of the cob - deformed cobs - reduced yields (both quality and quantity)	-0-15% clay-4kg/ha -16-30%clay-8kg/ha >30% clay-10kg/ha	1-2kg/ha-apply between 8 leaf stage and silking
Carrots	- skin blemishes - skin roughening with darkening of the flesh "five o'clock shadow" - splitting of the roots	4-6kg/ha in 200litres of water	4-6kg/ha in 500 litres of water
Other vegetables eg-french beans, tomatoes	- Flower abortion - reduced yields - poor quality of produce	-	2-3kg/ha (40-60gm/20litres of water. Apply prior to flowering
Fruits	-Dieback and death of growing points -Flower abortion -Fruit drop -Reduced yields	-	2-3 kg/ha(40-60 gm/20 L water Apply before flowering and fruit set
Flowers / carnation	-reduced internode length -increased calyx splitting -pale yellow zone along the midribs which later turns purple. -Failure of flower buds to reach anthesis	-	Apply after leaf analysis-adequate levels should be 25-100ppm
Roses	-Leaves distorted-elongated with irregular serration -loss of apical dominance leading to multiple branching -petals with serrated margins and show irregular pigmentation	-	Routine foliar sprays,2-3kg/ha
Chrysanthemum	- Brittle and down curled leaves - Tips pale green and turning upwards - Petals become quilled or fail to unroll properly	-	Routine foliar sprays-2to 3 kg/ha