PRODUCT INFO & DATASHEET

SICALNIT-BOR

CALCIUM AMMONIUM NITRATE + BOR

- Made in China -

2/6/2020

1. INTRODUCTION

From our Chinese plant we offer,
next to our : - **SICALNIT-EXCEL**, superior soluble Calcium ammonium nitrate for horticulture & drip & foliar & fertigation
- **SICALNIT-TROPIC** agricultural & strew grade Calcium ammonium nitrate
now also : - **SICALNIT-BOR**, Calcium ammonium nitrates with Boron in 2 grades :

SICALNIT-BOR EXCEL
Calcium ammonium nitrate + Boron
Min. 15.5 % N + 19 % Ca + 0.3 % B (granular 2-4 mm)
Suitable for use in fertigation and foliar & drip applications

SICALNIT-BOR TROPIC Calcium ammonium nitrate + Boron + S Coating
Min. 15.5 % N + 19 % Ca + 0.3 % B (also exists with 0.2% B)
Only suitable as basic fertiliser and topdressing.

2. CALCULATED % ANALYSES & SPECIFICATIONS

	SICALNIT-BOR EXCEL		SICALNIT-BOR TROPIC	
	Standards	Test results	Standards	Test results
Nitrogen (N) total	min. 15.5 %	15.59 %	min. 15.5 %	15.59 %
of which Nitric N (N-NO3)	min. 14.4 %	14.46 %	min. 14.4 %	14.46 %
Ammoniacal N (N-NH4)	min. 1.1 %	1.13 %	min. 1.1 %	1.13 %
Calcium (Ca)	min. 19 %	19.40 %	min. 19 %	19.06 %
Boron (B)	min. 0.3 %	0.34 %	min. 0.3 %	0.34 %
Iron (Fe)	max. 0.005 %	0.004 %	max. 0.005 %	0.004 %
Chlorides	max. 0.02 %	0.017 %	max. 0.02 %	0.017 %
Water insolubles	max. 0.1 %	0.07 %	max. 0.1 %	0.05 %
pH value	5 – 7	5.7	5 – 7	5.7
Sieve Analysis/Particle Size	2 – 4 mm			

Heavy metals analysis: results of test made (on 23/9/2013) by independent lab.

Hg	0.0002 %
Pb	0.001 %
Cr	-
Cd	0.00005 %
As	0.000008 %

3. ADVANTAGES

Boron deficiency is the most common nutrient disorder worldwide and can reduce crop yields because of poor flowering and fruit set or poor growth.
The need for boron in flowering crops is highest during flowering as it is involved in the growth of pollen tubes and when fruits are set, due to the high boron content in reproductive organs.
The addition of boron in calcium ammonium nitrate provides another essential nutrient, required for quality in horticultural crops.

4. USAGE & APPLICATIONS

SICALNIT™ BOR is ideal and fits in most regions of the world, but especially in soils with a higher pH or in sandy soils or in high rainfall areas, where boron is in more limited supply.
SICALNIT™ BOR is suitable for use throughout the duration of the crop, beginning during the very-early stages of the season or crop development.
SICALNIT™ BOR is also used as a post harvest application on stone fruit, pome fruit and vines, where it is important to achieve the best flower quality, fruit set and early fruitlet development the following season.

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5. GENERAL RECOMMENDATION RATES

SICALNIT BOR TROPIC

- For broadcasting (dry spread): 80 to 250 kg/ha for horticultural crops.

SICALNIT BOR EXCEL:

- Fertigation: 25 to 70 kg/ha.
- General foliar application rates: at a concentration of 1-2%

The actual rates, number of applications and their timing will vary considerably for different crops and for different soils. Before application, seek advice from your local SICO distributor or your local agronomist.

6. PACKING

25 kg net wpp + pe SICO bags, about 26 MT/20ft container. (Made in China)

P.S.: For your BORON needs, please also see :
- our BORON general fertilisers
- our specialty BORON formulations

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