

# Duetto®

## Calcium

### CALCIUM NITRATE SOLUTION

GUARANTEED CONTENT	%w/w
Total Nitrogen (N)	8,1
Nitrate Nitrogen (NO <sub>3</sub> -N)	8,0
Ammonia Nitrogen (NH <sub>4</sub> -N)	0,1
<b>Additional declaration:</b>	
Water soluble Calcium Oxide (CaO)	16,0

- Calcium resides mainly in plant leaves. Calcium is an important constituent of cell walls.
- Calcium is required for chromosome stability and cell division.
- Calcium activates several enzyme systems and neutralizes organic acids in plants.
- Plant growth and fruit yield can be reduced by inadequate Ca supply long before deficiency symptoms become evident.
- For the Calcium deficiency of all crops, you can use DUETTO CALCIUM.



EC FERTILIZER

20 lt  
5 lt  
1 lt

# Duetto®

## Zinc

### NITROGEN FERTILIZER SOLUTION

GUARANTEED CONTENT	%w/w
Total Nitrogen (N)	15,1
Nitrate Nitrogen (NO <sub>3</sub> -N)	7,8
Ammonia Nitrogen (NH <sub>4</sub> -N)	5,8
Urea Nitrogen (NH <sub>2</sub> -N)	1,5
<b>Additional declaration:</b>	
Water soluble Zinc (Zn)	5,0

- Zinc involved in plant carbon metabolism.
- Zinc is a necessary component of several enzyme systems that regulate various metabolic activities within plants.
- As a part of an enzyme that regulates the equilibrium among carbon dioxide, water and carbonic acid.
- Has a role in protein metabolism.
- Essential for the formation of chlorophyll and function of normal photosynthesis.
- Needed to form auxins, which are growth-promoting substances in plants.
- Associated with water relations in plants and improve water uptake.
- Zinc deficiency has traditionally been the most widespread deficiency in citrus (Rosette).

**The best way to prevent the Zinc deficiency, to use DUETTO ZINC.**



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## Zinc-Up

### NP FERTILIZER SOLUTION

5-20-0+5 Zn

GUARANTEED CONTENT	%w/w
Total Nitrogen (N)	5
Urea Nitrogen (NH <sub>2</sub> -N)	5
Water soluble Phosphorus Penta Oxide (P <sub>2</sub> O <sub>5</sub> )	20
Water soluble Zinc (Zn)	5
Water soluble Zinc (EDTA chelated)	1

pH interval for EDTA .....2,5-7,5

This fertilizer contains Phosphorus and Zinc at the same solution.

#### The functions :

- Phosphorus is present in all living tissue. It is particularly concentrated in the flowers, and seeds.
- Phosphorus is necessary for many life process such as photosynthesis, synthesis and breakdown of carbohydrates and the transfer of energy within the plant roots, speed maturity and reduce stress.
- Phosphorus is involved in nutrient uptake and translocation.
- It is a major part of the cytoplasm and the nucleus of cells, where it is involved in the organization of cells and the transfer of heredity characteristics.
- Phosphorus is also important for cell division and enlargement, thus plant growth is reduced when the supply of P is not sufficient.
- Zinc involved in plant carbon metabolism.
- Zinc is a necessary component of several enzyme systems that regulate various metabolic activities within plants.
- As a part of an enzyme that regulates the equilibrium among carbon dioxide, water and carbonic acid.
- As a part of two enzymes that play a role in protein metabolism.
- Essential for the formation of chlorophyll and function of normal photosynthesis.



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## Potasol

### POTASSIUM SOLUTION

0-0-40

Garanti Edilen İçerik	%w/w
Water soluble Potassium Oxide (K <sub>2</sub> O)	40
Water soluble Chlor (Cl)	0,1
pH	1:10
	13,9

Potassium is most important element for plant,

#### The functions :

- Potassium moves from leaves to fruit and seeds as they develop.
- Potassium is necessary for several basic physiological functions like the formation of sugars and starch, synthesis of proteins, normal cell division and growth, and neutralization of organic acids.
- It is important in fruit formation and enhances fruit size, flavor and color.
- It helps reduce the influence of adverse weather conditions like drought, cold and flooding.
- It improves the efficiency of plant water and sugar use for maintenance and normal growth functions.
- It improves plant health and resistance to disease and tolerance to nematodes and insects.



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## CalBor

### Yapraktan Uygulama için ;

Garanti Edilen İçerik	%w/w
Suda çözünür Kalsiyumoksit (CaO)	12
Suda çözünür Bor (B)	0,5

**ÖZELLİKLERİ :**  
Yapraktan düzenli aralıklarla kullanıldığında, etilen oluşumunu azaltır. Ayrıca hücre duvarlarında görülen Kalsiyum eksikliğini giderir. Bu etkiler sayesinde, meyve,koza,tohum kabuğu, tohumcuk tutumu artar, dokularda görülen depolama zararları azalır.

**KULLANILIŞI :**  
Insektisit ve fungisitlerle karıştırılabilir fakat bitki gelişim düzenleyicilerle veya hormonlarla ya da diğer yaprak gübreleri ile karıştırmayınız.Uygulamadan önce kavanoz testi yapılması önerilir. İçeriğinde Bor olduğu için , etikette yazmayan bitkilerde yapılacak uygulamaya dikkat verebilir.

**1. Pamuk,soya,baklagiller,domates,biber,kavun,yarfatığı...**  
Çiçeklenme ile uygulama başlar.Yeterli miktarda su ile bitkinin tamamının kaplanması sağlanır. Meyve,koza veya tohum kabuğunda sona doğru sprey uygulamasına ara verilir.

Sprey aralığı	Miktar
7 gün	0,250 lt/da
10 gün	0,400 lt/da
14 gün	0,525 lt/da

**2. Kereviz,karnabahar,havuç,şeker pancarı,patates,tatlı patates,yeşill,brokoli,marul...**  
Eklili alanlar hızlı büyüme dönemine geçtiği zaman veya dokuları gelişmeye başladığı zaman uygulamaya yapılır. Yeterli miktarda su ile bitkinin tamamının kaplanması sağlanır. Hızlı büyüme kesildiği zaman veya depo dokuları kütleleşmeyi bitirdiği zaman sprey uygulamasına ara verilir.

Sprey aralığı	Miktar
7 gün	0,250 lt/da
10 gün	0,400 lt/da
14 gün	0,525 lt/da

**3. Ağaçlık alanlar: Turuncgiller,ıncık,elma,şeftali,armut,kiraz,badem,tropikal meyveler...**  
Tomuruklanma ile birlikte uygulamaya başlar. Yeterli miktarda su ile bitkinin tamamının kaplanması sağlanır.Meyveler normal boyutlarına geldiği zaman spreye ara verilir.

Sprey aralığı	Miktar
10-14 gün	0,525 lt/da

Eğer düzenli sprey aralıklarına dikkat edilmişse , maksimum meyve tutumu için 2,4 lt/da uygulanır ya da sadece dökülme öncesi periyotta verilir.

**4. Bağlar...** İlk meyveler şekillenmeye başlayınca uygulama da başlar. Yeterli miktarda su ile bitkinin tamamının kaplanması sağlanır.Meyveler normal boyutlarına geldiği zaman spreye ara verilir.

Sprey aralığı	Miktar
7 gün	0,250 lt/da
10 gün	0,400 lt/da
14 gün	0,525 lt/da



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# Duetto®

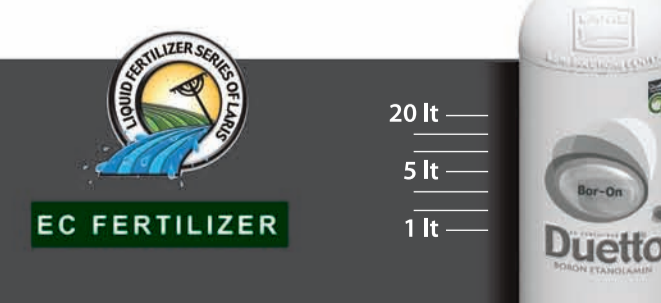
## Bor-On

### BORON ETANOLAMINE

GUARANTEED CONTENT	%w/w
Water soluble Boron (B)	11

- Boron is the only nonmetal among the micronutrients.
- It is essential micronutrient for plants.
- It plays several roles within the plant cell: in cell division, in the metabolism and in the cell membrane.
- Boron deficiency occurs when Boron leaches out of the soil, particularly in humid regions with light-textured, acidic soils.
- The first visual symptoms of B deficiency are generally the death of the terminal growing point of the main stem. Further symptoms are a slight thickening of the leaves, a tendency for the leaves to curl downward and sometimes chlorosis.

**The BOR-ON is a quality solution and it is the right answer for B deficiency...**



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## Humic-Acid

### ORGANIC SOIL CONDITIONER

GUARANTEED CONTENT	%w/w
Total Organic Material	15
Total (Humic + Fulvic Acid)	15
Water soluble Potassium Oxide (K <sub>2</sub> O)	1
pH	9-11

Benefits include:

- Addition of organic matter to organically-deficient soils.
- Increase root vitality
- Improved nutrient uptake
- Increased chlorophyll synthesis
- Better seed germination
- Increased fertilizer retention
- Stimulate beneficial microbial activity
- Healthier plants and improved yields

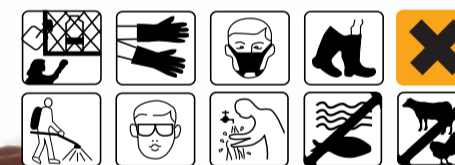


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#### SECURITY PRECAUTIONS :

- KEEP AWAY FROM THE CHILDREN AND FOODS.
- NEVER OVERDOSE PLEASE. USE ONLY FOR AGRICULTURAL PURPOSE.
- During the application, do not breath the product, swallow. If you touch the product wash with water. If it stick out eye or swallowed apply to the nearest health clinic.
- During the application wear protective glove, eye-glasses, mask and shoes.



AGRI-SOLUTIONS CENTER



# Duetto®

## series



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# Animation

## your Plant...