Defender **Fe**®

IRON DEFICIENCY CORRECTOR

Benefits of its use

DEFENDER Fe® is a product developed to prevent and correct iron (Fe) deficiencies for all kind of crops. **DEFENDER Fe®** contains amino acids, which increase the absorption of iron and increase its assimilation and efficacy. In addition, these amino acids activate metabolic pathways promoting plant growth and development. Despite iron is one of the most extensive elements in soils, most of the times iron chlorosis is caused mainly by its low solubility in soils due to high pH conditions, typical form chalky soils. This is why exogenous iron applications are essential for those crop species, which are sensitive to suffer iron chlorosis.

Iron deficeincy symptoms

Composition

	(%w/w)
L-Free amino acids	16,0
Total nitrogen	2,2
Organic nitrogen	2,0
Iron (Fe) soluble in water	5,2

Guaranteed content	% p/p	% p/v
L free amino acids *	16,0	21,3
Total Nitrogen	2,2	3,0
Organic Nitrogen	2,0	2,6
Iron (Fe) soluble in water	5,2	6,9
pH	4,5	

* Amino acids proceeding from bacterial fermentation of *Brevibacterium* genus and from enzymatic hydrolysis of vegetal proteins.

Standard aminogram: Glutamic acid (39%), L-Aspartic acid, L-Alanine, L-Arginine, L-Cistine, l- Fenilalanine, Glicine (32%), L-hidroxiproline, L-Histidine, L-Isoleucine, L-Lisine, L-Metionine, L-Proline, L-Serine, L-Tirosine, L-Treonine, L-Triptofan, L-Valine.

Fertilizer group "A": Content in heavy metals below the limits authorized for this classification

Application system

DEFENDER Fe® is applied by foliar spray, irrigation or hydroponic. It is highly recommended for those crops that manifest iron nutritional deficiencies or for those that are specially sensitives to this deficiency. In soils with pH higher than 7.5 must be applied exclusively by foliar spray.

Stability and storage

DEFENDER Fe® is stable during at least 3 years from manufacturing date.

Keep in a fresh and ventilated place with temperatures below 50ºC.

Do not store for prolonged periods under direct sunlight.

Keep away from children.

Do not eat, drink or smoke while handling this product.

Dosage

<table>
<tr><th rowspan="2">CROP</th><th rowspan="2">APPLICATIONS</th><th colspan="2">DOSIS</th></tr>
<tr><th>cc/100 L</th><th>L/Ha</th></tr>
<tr><td>Vegetables</td><td rowspan="16">When iron deficiency symptoms are observed or at moments of maximum necessity of this microelement.</td><td>200-300</td><td>2-4</td></tr>
<tr><td>Stone fruit trees</td><td rowspan="2">200-400</td><td rowspan="2">3-4</td></tr>
<tr><td>Pome fruit trees</td></tr>
<tr><td>Citric, avocado</td><td rowspan="8">200-300</td><td rowspan="4">2-4</td></tr>
<tr><td>Grapevine</td></tr>
<tr><td>Kiwi</td></tr>
<tr><td>Corn</td></tr>
<tr><td>Wheat</td><td rowspan="5">1-2</td></tr>
<tr><td>Berries</td></tr>
<tr><td>Cucurbits</td></tr>
<tr><td>Potato</td></tr>
<tr><td>Onion, garlic</td></tr>
<tr><td>Cabbage, cauliflower, broccoli</td><td rowspan="3">2-4</td></tr>
<tr><td>Sunflower</td></tr>
<tr><td>Mango</td></tr>
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Compatibility

DEFENDER Fe® is compatible with most of plant protection products and nutritional correctors. It is recommended to perform a test in a small volume to assess compatibility. For any doubt, please contact your local distributor for technical advice.