DUAL CHELATE
FERTILIZER
THE SCIENCE IN PLANT NUTRITION

DUAL FORCE IRON

9% Fe (Chelated with 100% biodegradable IDHA chelate)

New patented IDHA chelate technology which is the only environmentally-friendly, synthetically produced chelate on the market.

Dual Force Fe is a 100% biodegradable IDHA chelated product which highly beneficial for chlorophyll formation, whilst also improving plant respiration through the activation of enzymes.

Benefits of Dual Force Fe

- Assists chlorophyll production by creating precursors and transporting elements necessary for chlorophyll biosynthesis
- Improves plant photosynthesis by aiding in the electron transfer reactions and is an activator for metabolic reactions
- **IDHA chelate** is a state-of-the-art chelation technology which is **100% biodegradable** and environmentally friendly for plants and humans
- Dual Force Fe will greatly improve plant respiration capabilities which will increase energy production to maximize cell functions

The Importance of Iron

Chlorophyll production greatly depends on the availability of iron as it is a chlorophyll production cofactor. Dual Force Fe will improve the symptoms of interveinal chlorosis where there is a deficiency in iron.

Iron also plays roles in protein production, improving cell respiration and enzyme activation through premium chelating technology

Benefits of IDHA Chelate

IDHA (Iminodisuccinic acid) is a new patented biodegradable chelating agent which is highly soluble and improves nutrient uptake compared to other traditional chelating agents.

It is a fully biodegradable chelating agent making it the only environmentally-friendly synthetically produced chelate on the market and leaves zero residue.

DUAL FORCE IRON

Physical Properties - pH: @1% solution: 5.0±1.0, bulk density: 0.80±0.1g/cm3

Analysis W/W%: **9% Fe (100% IDHA Chelated) Iminodisuccinic acid**

Application Rates

Crop	Foliar	Fertigation	Comments
Broadacre: Wheat, Barley, Canola, Cotton, Maize, Rice, Sorghum, Triticale, Pasture	1 – 3 kg/ha diluted in 50-100L of water	N/A	Apply as required when deficiencies present
Pulses: Field Peas, Broad Beans, Lentils	1 – 3 kg/ha diluted in 50-100L of water	N/A	Apply as required when deficiencies present
Tree Crops - Deciduous: Almond, Stone fruit, Pome fruit, Pistachio, Walnut, Hazelnut	1.5 - 4 kg/ha diluted in 500-1000L of water	5 - 15 kg/ha	Apply at the end of winter/early spring with subsequent applications when deficiencies appear
Tree Crops - Evergreen: Avocado, Citrus, Macadamia, Lychee, Mango, Olives	1.5 - 4 kg/ha diluted in 500-1000L of water	5 - 15 kg/ha	Apply at the end of winter/early spring with subsequent applications when deficiencies appear
Fruiting Vegetables: Tomatoes, Capsicum, Cucurbits, Eggplant	0.5 - 2 kg/ha diluted in 500-1000L of water	5 - 10 kg/ha	Apply at the beginning of plant growth and as required
Leafy Vegetables: Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	0.5 - 2 kg/ha diluted in 500-1000L of water	5 - 10 kg/ha	Apply at the beginning of plant growth and as required
Root Vegetables: Potato, Sweet Potato, Carrot, Beetroot, Leek, Onion, Radish	1 – 3 kg/ha diluted in 500-1000 L of water	10 - 20 kg/ha	Apply as required when deficiencies present
Vine and Berry Crops: Wine and Table Grapes, Blueberry	1 – 2.5 kg/ha diluted in 500 -1000L of water	10 - 20 kg/ha	Apply at the end of winter/early spring with subsequent application prior and post flowering, DO NOT Maximum rate

HYDROPONICS

FERTIGATION

FOLIAR

Disclaimer: Please be aware that fertilizer can burn and or damage crops and pasture. Visible nutrient deficiency symptoms, analytical results and nutrient removals are the most commonly used criteria to determine the appropriate application rate. There are a number of factors including (but not limited to) weather, soil conditions, application methods, irrigation and management practices which are beyond the control of Dual Chelate Fertilizer and cannot be foreseen. Therefore, Dual Chelate Fertilizer accepts no responsibility whatsoever for any damage, loss or other consequences following the use of this guide or product.

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