



ICI[®]
Ionic Concentrated Iron 

Ionic Iron

Checkmate move

with ICI[®] 

Agro  re

Iron Fertilizer



Checkmate move...

with ICI[®]

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Ionic Concentrated Iron



ICI is a **liquid, acidic formulated product of concentrated heptahydrated iron sulfate** ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) in a hydrated ionic Fe^{++} form, **highly effective** against iron deficiency of plants, which causes chlorosis of young leaves.

UNIQUE CANADIAN TECHNOLOGY

It is produced via an **innovative technology** which results in the creation of **active iron ions** complexed and surrounded by water molecule dipoles. These ions **penetrate easily into the plant tissues, translocate within the plant**, pass through the cell membranes and deliver iron to plants effectively and quickly.

PROPERTIES ADVANTAGES

Preventative action. When temperatures are high and young vegetation grows fast, iron which is an immobile element cannot reach young leaves. So, leaves become chlorotic lacking their typical intense green color, as they are not able to produce enough chlorophyll. By spraying ICI directly to foliage, leaves are getting iron effectively and quickly, so they keep producing chlorophyll and retain their deep green color.

Curative action. In case iron's deficiency symptoms have already occurred, leaves which will be shaped after foliar application of ICI will not be chlorotic, since stems and leaf buds will receive iron effectively. It must be stressed that it is possible for iron-deficient chlorotic plants to also suffer from shortage of other nutrient elements that influence chlorophyll synthesis, therefore integrated plant nutrition must be ensured.

Due to the **excellent penetration ability** of ICI into plant tissues, iron concentration in leaves increases quickly and significantly, **even at low dose rates**. So, plants produce adequate chlorophyll, photosynthesize and grow intensely, eventually **reaching high yields**.

In foliar applications, **it does not stain** treated plants, while in soil applications it **cleans** drip irrigation system by removing limescale.

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Liquid, acidic and fully water-soluble formulated product, thus **easily diluted and compatible with other products**. It **quickly absorbed by plants**.

It forms **homogenous and stable aqueous solution**, without agglomerates and sediments, which is sprayed to plants. ICI is evenly distributed in the whole volume of the solution so there is no risk of nozzle clogging.

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USE OF ICI ON IMPORTANT CROPS

KIWI, GRAPEVINE & POMEGRANATE

Indicative doses: 150 to 200 mL ICI per 100 L of water at each application, according to crop needs.

Indicative spray volume: 800 to 1300 L/ha according to the growth stage and age of crop, the spraying equipment, and the training system of plants.

POME FRUIT

Indicative doses: 150 to 200 mL ICI per 100 L of water at each application, according to crop needs

Indicative spray volume: 1000 to 1500 L/ha according to the growth stage and age of crop, the spraying equipment, and the training system of plants.

STONE FRUIT & NUT TREES

Indicative doses: 150 to 200 mL ICI per 100 L of water at each application, according to crop needs.

Indicative spray volume: 1000 to 1500 L/ha according to the growth stage and age of crop, the spraying equipment, and the training system of plants.

CITRUS

Indicative doses: 150 to 200 mL ICI per 100 L of water at each application, according to crop needs.

Indicative spray volume: 1000 to 2000 L/ha according to the growth stage and age of crop, the spraying equipment, and the training system of plants.

POTATO & STRAWBERRY

Indicative doses: 100 to 150 mL ICI per 100 L of water at each application, according to crop needs

Indicative spray volume: 300 to 700 L/ha according to the growth stage of crop and the spraying equipment.

SOLANACEAE & CUCURBITACEAE

Indicative doses: 100 to 150 mL ICI per 100 L of water at each application, according to crop needs.

Indicative spray volume: 400 to 1000 L/ha according to the growth stage of crop and the spraying equipment.

LEAF VEGETABLES, ARABLE CROPS & TURF

Indicative doses: 100 to 150 mL ICI per 100 L of water at each application, according to crop needs

Indicative spray volume: 300 to 800 L/ha according to the growth stage of crop and the spraying equipment.



ICI CAN BE USED IN ORGANIC FARMING. IT COMPLIES WITH EU REGULATIONS 834/07 AND 889/08




Unique
Canadian
Technology




“
FROM THE
IRON ERA...
TO THE HYDRATED
IONIC IRON ERA
”

NEW
TECHNOLOGY
2018

 www.agrocure.com

 info@agrocure.com

 Agrocure

 +30 23930 21004

CROPS, APPLICATION METHOD, TIMING AND DOSE

It is applied to **ALL crops**, preventively or curatively, by **foliar spray during vegetative growth**.

Doses: 100 to 200 mL ICI per 100 L of water at each application, according to the needs of each crop and area. There is no restriction for the number of treatments during the growing season although applications should start with the onset of vegetative growth and be repeated at 20-30 day intervals according to crop needs and availability of iron in soil. Recommended doses must not be exceeded. It does not cause phytotoxicity when applied at recommended doses.

It can be applied to soil through **drip irrigation** at rates 2 - 8 L/ha depending on crop type, stage and requirements. In case multiple applications are made throughout the crop cycle, rates above can be lowered accordingly.

MIXING INSTRUCTIONS

Since it is acidic has good compatibility with the most agrochemicals. It must not be mixed with mineral oils or very acidic products.

STORAGE CONDITIONS

ICI should be stored at **temperatures above 0° C** in its sealed package in a secured warehouse protected from

LOCAL AGRONOMIST'S STAMP

CAUTION

PLEASE READ CAREFULLY THE LABEL BEFORE THE USE OF THE PRODUCT



CAUTION

EMERGENCY
CALL CENTER:
+30 210- 7793777

CANADIAN TECHNOLOGY

It is manufactured by ENVIRO SAFE SOLUTIONS Sdn Bhd.

REPRESENTATIVE

AgroCure

Gerakarou - Thessaloniki, Greece