ICC®

Ionic Copper Concentrate

Make the definite move...

Now you have ICC®

AgroCure

Copper Fertilizer

ESS

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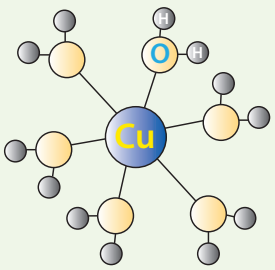
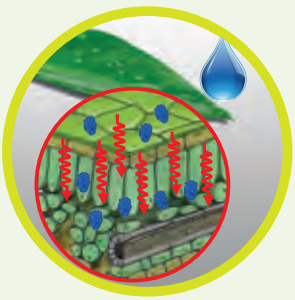
ICC is produced via an innovative technology of copper treatment which results in the creation of natural and stable hydrated copper ions $[Cu(H_2O)_6]^{2+}$.

The pentahydated Cu^{++} ion forms an octahedral complex with a quadratic deformation, which enables copper to act in a unique and more effective way. This is due to the increased penetration ability of copper in its ionized form, amplifies the nourishment and defense of plants drastically.



MODE OF ICC ACTION

Because of its high penetration ability, ICC crosses plant cuticle and cellular membranes easily and translocates throughout the plant tissues and cellular structures quickly where it provides its nourishing and protective attributes. Copper plays a significant role in photosynthesis and electron transfer via plant respiration, cell wall metabolic processes, detoxification of drastic radicals of oxygen, ethylene sensing and synthesis of polyphenols. In addition, it contributes to the absorption activation of other trace elements and metals due to its ability to break down their salt complexes and thus facilitate their availability.



ADVANTAGES OF ICC

- Ionized Concentrated Copper, ICC, is the most active form of copper, from a biological point of view, at water pH regimes higher than 5. All other copper forms lose their activity at high pH regimes. ICC can be used at all pH rates.
- Whn diluted in water ICC does not precipitate and it does not create deposit layers with progress of time. It remains evenly distributed within the whole volume of the spray solution.
- Because of its high ionic load and penetration ability, lower rates of copper are used per ha or hL, in contrast to other forms of copper. These low rates do not cause phytotoxicity to plants and allow for multiple applications of ICC at all plant growth stages.
- While the low concentration of copper in its ionic form increases its effectiveness and speed of action, it does not cause any residue issues.

FROM THE BRONZE AGE

USE OF ICC ON VARIOUS CROPS

GRAPEVINE

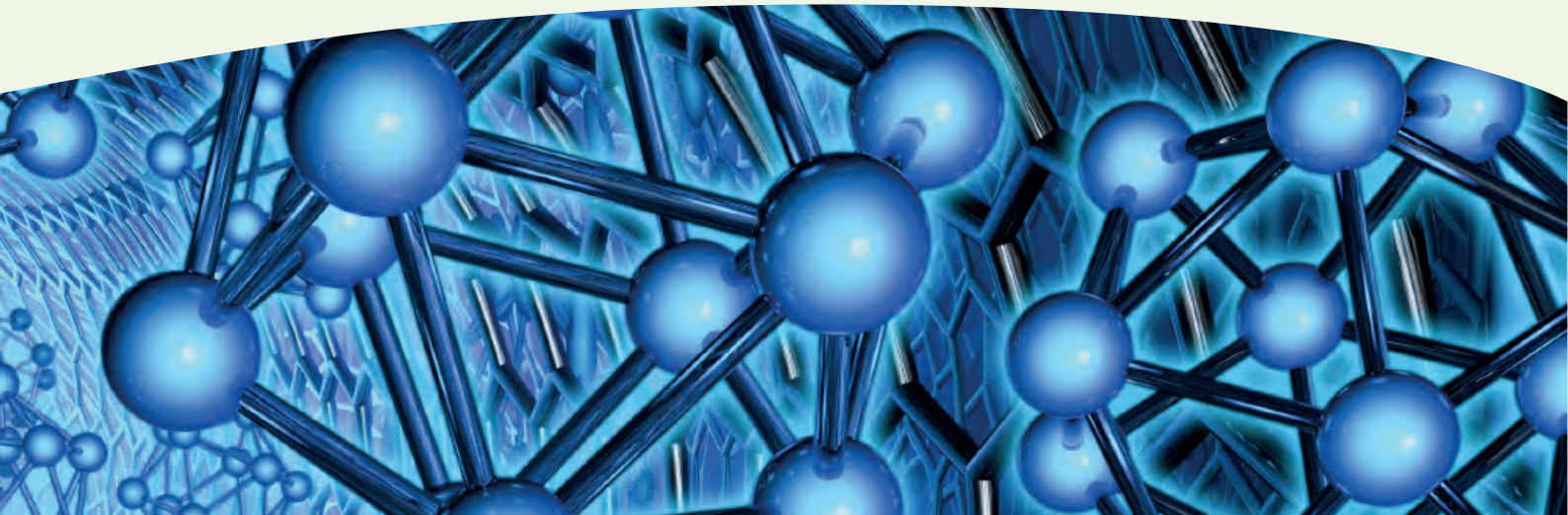
ICC NOURISHES PLANTS AND REINFORCES THEIR DEFENCE MECHANISMS

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**100-150 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive or curative applications from the onset of vegetative growth until the stage of grape closure.	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

OLIVE TREES

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**100-170 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive or curative applications before autumn rains and during winter. Applications can also be made in spring and early summer.	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

TO THE ERA OF IONIC COPPER



USE OF ICC ON VARIOUS CROPS

POME FRUITS APPLES-PEARS-QUINCE

ICC NOURISHES PLANTS AND REINFORCES THEIR DEFENCE MECHANISMS

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**100-150 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive or curative applications for the nurishement and the reinforcement of plant defence during the vegetative growth until petal fall	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

STONE FRUITS PEACHES-APRICOTS-CHERRIES

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**100-150 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive or curative applications for the nurishement and the reinforcement of plant defence during the vegetative growth until petal fall	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

CITRUS FRUITS

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**100-150 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive or curative applications before the rainfalls in October and on a monthly basis until fruit set	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

USE OF ICC ON VARIOUS CROPS

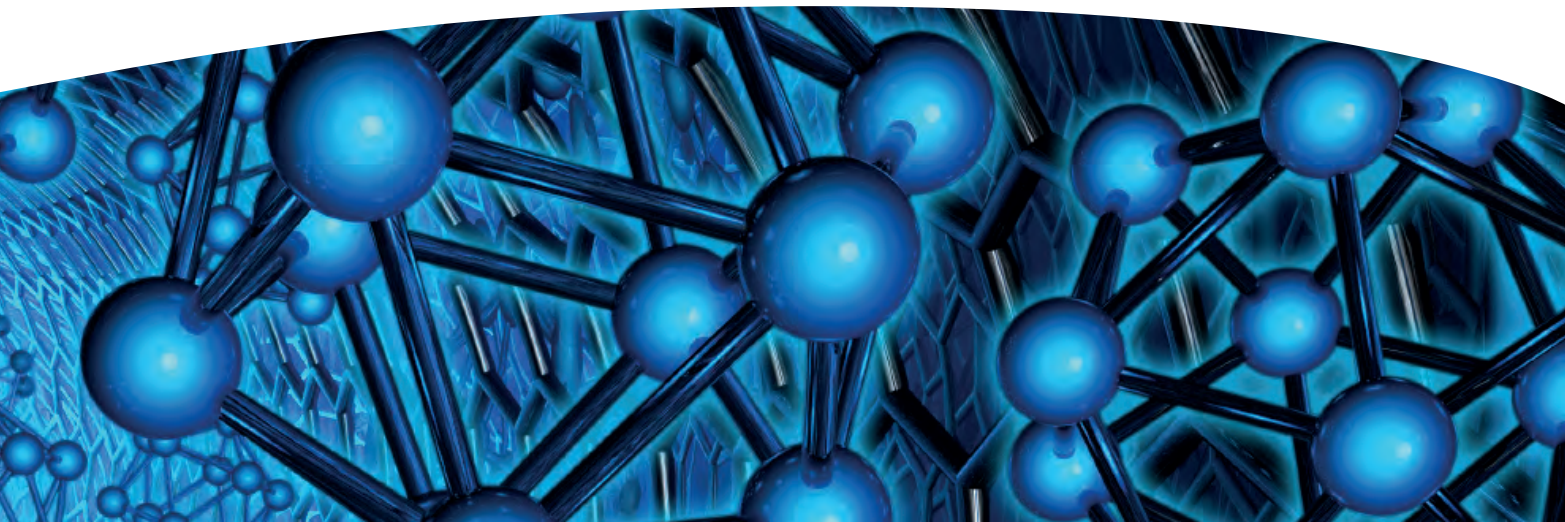
OPEN-AIR AND GREENHOUSE FRUITING VEGETABLES

ICC NOURISHES PLANTS AND REINFORCES THEIR DEFENCE MECHANISMS

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**40-100 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
METHOD AND TIME OF APPLICATION Preventive sprays during the whole farming period	
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**

LEAF VEGETABLES LETTUCE-GABBAGE-SPINACH-CELERY-ROCKET

APPLICATION DOSAGE FOR FOLIAR SPRAYS	**40-100 mL/100L water**
APPLICATION DOSAGE FOR DRIP IRRIGATION (depending on crop needs and Nr of applications during the crop cycle)	**2-8 L/ha**
MAXIMUM NUMBER OF APPLICATIONS IN A CROP CYCLE	**4**
LAST APPLICATION BEFORE HARVEST	**3 days**



THE BENEFITS OF ICC®

- The Ionized Concentrated form of Copper allows its faster penetration into plant tissues and the maintenance of its action regardless of weather conditions
- ICC does not stain leaves, fruits and other plant surfaces
- ICC can be applied with safety during all plant growth stages as it does not cause any phytotoxicity symptoms even at sensitive stages (i.e. blossom).
- ICC reinforces plant tolerance against winter and spring freezing weather conditions
- Decreased Pre Harvest Interval due to the low dosages and the low residue levels on plant surfaces
- Compatibility with Oganic Farming System production (according to the EU regulations 834/07 and 889/08)
- It is fully water-soluble, it does not create sediment or deposits in water solutions, and it does not block the piping and nozzles of application equipment
- Guaranteed effectiveness via foliar, as well as soil applications such as in hydroponic or drip irrigation systems

MIXABILITY INSTRUCTIONS

ICC is not combined with amino acids or oils. In any occasion, a small scale test is abvisable before application of any mixtures.

PLANT SAFETY

ICC does not cause plant toxicity at the recommended application dosages.

Local representative signature

Fertilizer in compliance with E.U specifications

Exclusive distribution for EMEA:

DANGER

AgroCure

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