



**Fortify Cu** is an advanced copper formulation designed specifically to maintain the established yield of crops.

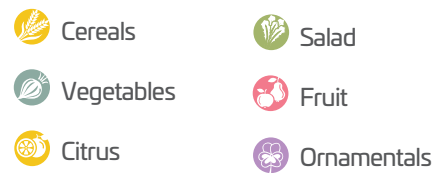
Fortify Cu is a unique formulation of  $PO_4$ ,  $PO_3$ , copper and halide ions which complement each other to support plant bio-fortification and reduce yield loss in field crops, vegetables, fruit, citrus, and ornamentals.

Fortify Cu provides superior nutrient delivery to the plant and addresses both plant health and abiotic stresses.

The robust formula of Fortify Cu stimulates vascular flow and root activity to mobilise copper in crops to maintain vigour and growth which in turn results in the maintenance of yield and quality.

### CROPS

While Copper is an essential element for all plants, the following crops have been found to be especially responsive:

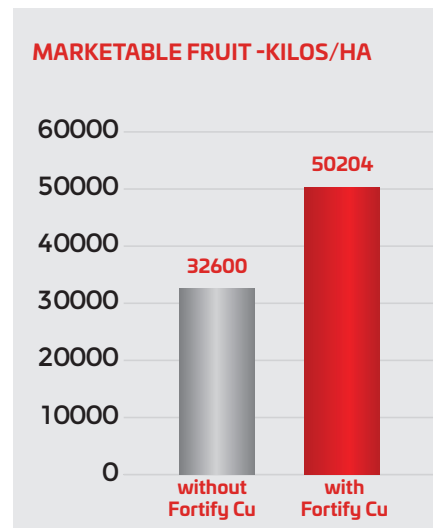


### The Role of Copper

- ▶ Copper is a trace element which is involved in several enzyme systems and also in photosynthesis. It is not very mobile within the plant particularly in deficient crops.
- ▶ Copper is held strongly by soil organic matter and this can determine whether adequate copper is available for crop growth. Copper deficiency can have a serious effect on crop growth, quality and yield.
- ▶ Copper plays a major function as a catalyst in photosynthesis (converting light to energy) and restoration within the plant. It is a constituent of several enzyme systems involved in building and converting amino acids to proteins.
- ▶ Copper is important to the formation of lignin in plant cells which contributes to the structural strength of the cell and the plant.
- ▶ Copper also affects the flavour, the storage ability and the sugar content of fruits.
- ▶ In the soil copper is the most immobile micronutrient, therefore anything that inhibits new growth will restrict copper uptake. Soils and plants with a high phosphate level use more copper due to reduced soil exploration by mycorrhizas associated with plant roots.

### Trials data

In season 2015 trials with Casi in Almeria Spain illustrated the support Fortify Cu can give. Plum tomato species under pressure from botrytis showed a marked increase in yield retention when Fortify Cu was regularly applied.



without Fortify Cu



with Fortify Cu



## Crop timings and Application rates

Crop	No of applications	Timings	Rate litres/ha
<b>Cereals</b>	As required	As necessary from 2-6 leaf stage to GS32	<b>2.0-4.0</b>
<b>Sugar beet</b>	2	<b>1st</b> 4-6 leaf stage <b>2nd</b> 8-12 leaf stage	<b>2.0-4.0</b>
<b>Brassicas</b>	1-2	Apply only where known deficiency exists	<b>2.0-3.0</b>
<b>Leafy salads</b>	As required	As required from tissue analysis Repeat at 10-14 day intervals	<b>1.0-2.0</b>
<b>Potatoes</b>	As required	As required from tissue analysis Repeat at 10-14 day intervals	<b>2.0-3.0</b>
<b>Root Crops</b>	As required	As required from tissue analysis Repeat at 10-14 day intervals	<b>2.0-3.0</b>
<b>Legumes</b>	As required	Repeat as necessary at 14 day spray interval	<b>2.0-3.0</b>
<b>Top fruit</b>	As required	Apply in 400-800 litres of water depending upon tree size Apply after petal fall repeat at 10-14 day intervals	<b>2.0-3.0</b>
<b>Citrus</b>	3-6	Apply in 400-800 litres of water depending upon tree size Repeat in line with growth flushes every 3 months	<b>2.0-4.0</b>
<b>Soft fruit</b>	2-4	As required from tissue analysis Repeat at 10-14 day intervals	<b>2.0-3.0</b>
<b>Ornamentals</b>	As required	As required from tissue analysis Repeat at 10-14 day intervals	<b>1.0-3.0</b>

Fortify Cu is compatible with most known fertilisers and pesticides but it is advisable to conduct a jar test with new mixes or products. Never mix in a concentrated form with other fertilisers and pesticides such as a pre-mix tank etc. Apply in 400-800 litres of water for optimum coverage and in a minimum of 200 litres.

Avoid spraying in sunlight hours if air temperature is above 30°C

Fortify Cu contains 1.5% copper, so should only be used as recommended. It can prove harmful if not used correctly. Information about specific applications can be obtained from your Engage advisor.

**For more detailed application rates per crop, please visit [engagecropsolutions.com](https://engagecropsolutions.com) or speak to an Engage advisor.**

**Always read the label before use.**

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