

Zincsol

Zinc sulphate solution

Zincsol is ideal for correcting or preventing zinc deficiency in grain and horticultural crops, pastures and vines.

It is a highly available liquid form of zinc and sulphur.

It is a colourless to slightly green liquid. It is quite acidic, with a pH of 2.5 – 3.5.

Zincsol can be applied alone or mixed with other fertilisers (refer to compatibility section).

It can be applied to the soil or as a foliar spray.

Zincsol is a Hazardous Substance. Refer to the MSDS for details.

ANALYSIS (weight/volume)

16 %	Zinc (Zn) w/v	(160 g/L Zn)
8.4 %	Sulphate Sulphur (S) w/v	(84 g/L S)

SPECIFIC GRAVITY

Zincsol has a specific gravity of 1.38.

This gives Zincsol an analysis on a weight/weight basis of:

11.6 %	Zinc (Zn) w/w	(116 g/kg Zn)
6.1 %	Sulphate Sulphur (S) w/w	(61 g/kg S)

“SALTING OUT” AT LOW TEMPERATURE

Most liquids have a ‘salt out’ temperature. This is the temperature at which crystal precipitation and growth occurs because the solution is over-saturated and the water can no longer keep the salts in a dissolved state. With Zincsol this ‘salt out’ temperature is at or below 5°C. If other soluble salts or solutions containing salts are added to Zincsol, the ‘salt out’ temperature will change.

DIRECTIONS FOR USE

Soil application

Zincsol can be applied to the soil by boom spray or with the seed in water injections in crops such as sorghum and cotton.

In annual crops and sugarcane, incorporate by cultivation after application as zinc applied to the soil surface may not be properly utilised by crop roots. In pastures, withhold stock after application until rain or irrigation moves the fertiliser into the soil.

Consider rates of 5 to 10 L/ha. For soil application, the water volume used with Zincsol is not critical.

Fertigation

Fertigation of Zincsol is suited to tree crops or vegetable crops where sub-surface irrigation emitters are used for irrigation.

Foliar sprays

Foliar sprays are a very effective way to apply Zincsol.

Apply to new growth or early in the life of the crop using fine droplet spray application equipment.

In cereals, dilute Zincsol with at least 75 litres of water before foliar spraying and apply at early to mid tillering.

There are limits to the amount of Zincsol that can be applied in foliar sprays without burning the leaves. Crops and varieties vary in their susceptibility to leaf burn. Use the following dilution rates as a guide:

- Vines – 1.5 L/600 L water/ha
- Cereals, pasture legumes, grain legumes, summer fodder crops, oilseed crops – 2 L/80 L water/ha
- Pome fruits – 6 L/100 L water/ha
- Stone fruits – 3 L/100 L water/ha
- Pine plantations (aerial spray) – 5 L/10 to 25 L water/ha

Avoid applying Zincsol in hot weather or when the crop is under moisture stress. Spray early in the morning or late in the afternoon.

For maximum absorption, apply when rain is not expected for at least four hours. Using a wetting agent will improve coverage and absorption.

For more information on using Zincsol in specific crops, see the Crop Guides section.

COMPATIBILITY

Zincsol is compatible with EASY ATS, Coppersol and Mangasol.

Dilute EASY N, EASY U Sol and EASY NS with an equal quantity of water before mixing with Zincsol.

Zincsol should not be mixed with EASY NP, EASY NP + Zn, EASY PK, EASY NPK 27, Topfoliar, EASY KS or EASY Cal.

STORAGE AND CARE OF EQUIPMENT

Store in a cool place, away from direct sunlight.

Zincsol is corrosive to many metals.

Appropriate materials for storing Zincsol include High-Density Polyethylene (HDPE), stainless steel and fibreglass.

Do not store Zincsol in tanks of mild steel, aluminium, brass or copper alloys, concrete or galvanised steel.

Flush application and fertigation equipment after use with water only.

Where applied through fixed irrigation lines, discontinue use towards the end of the shift to flush fertiliser from the lines and off crop foliage. This minimises corrosion and the risk of leaf burn.

Refer to the Handling, Storage and Transport section of the EASY Liquids manual for further details, including appropriate materials for pumps, pipes, plumbing, valves and fittings.

SAFETY DIRECTIONS

Avoid contact with eyes or skin.

Avoid inhaling mist.

Wash hands after use.

Refer to the Zincsol MSDS (Material Safety Data Sheet) for more specific instructions.

WARNING

Before using fertiliser seek appropriate agronomic advice. Fertiliser may burn and/or damage crop roots or foliage. Foliar burn to the leaves, fruit or other plant parts is most likely to occur when different products are mixed and sprayed together, the water is of poor quality, or the spray is applied under hot dry conditions, eg. in the heat of the day. Because climatic and soil conditions, application methods, irrigation and agricultural practices are beyond the control of Incitec Pivot Limited and cannot be foreseen, Incitec Pivot Limited accepts no responsibility whatsoever for any commercial damage, loss or other result following the use of this product whether used in accordance with directions or not, subject to any overriding statutory provision and provided that such liability under those provisions shall be limited to the replacement of the goods as supplied or the rendering again of the services that are provided. The buyer accepts and uses this product subject to these conditions.

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