

Zinc is a catalytic cofactor in a wide range of enzymes, particularly those involved in carbohydrate metabolism, protein synthesis and membrane integrity. During germination, the seed transitions from reliance on stored reserves to active metabolism. The presence of zinc at the seed supports faster mobilisation of starch and proteins, improved energy generation and more efficient cell division, resulting in quicker and more uniform emergence.

Seed treatments are routinely applied directly to cereal seeds to protect against seed-borne and soil-borne diseases, as well as early insect pests. However, because seed treatments are applied with very low water volumes, highly soluble zinc salts can disrupt formulation stability. Elevated ionic strength may interfere with surfactant systems and promote aggregation or separation of active ingredients, potentially reducing treatment efficacy.

Seedzinc has been specifically formulated to provide an available, soluble source of Zn^{2+} while maintaining compatibility with commonly used seed treatments products.

APPLICATION RATE: 5 - 7.5L per tonne of seed - wheat, barley, oats, maize, sorghum, rice, canola, peas, lupins, beans

Seedzinc tested to be compatible at typical rates with the following treatments	
Product	**Active ingredient(s)**
Arrow Plus	Tebuconazole + Imidacloprid
Baytan T	Triadimenol + Thiram
Confidor Guard	Imidacloprid
Cruiser 600 FS	Thiamethoxam
Dividend M	Difenoconazole + Metalaxyl-M
EverGol Energy	Penflufen + Prothioconazole + Metalaxyl
EverGol Prime	Penflufen
Gaucho	Imidacloprid
Jockey Stayer	Fluquinconazole + Prochloraz
Poncho Plus	Clothianidin + Imidacloprid
Premis Protect	Triticonazole + Imidacloprid
Raxil T	Tebuconazole + Thiram
Veteran C	Flutriafol + Cypremethrin
Vibrance	Difenoconazole + Metalaxyl-M + Sedaxane

Note: As all seed treatment products evaluated were shown to be compatible. It is likely other products not listed above will be compatible as well.

Zinc efficacy vs compatibility by type		
Form of Zinc	**Zn^{2+} Availability**	**Compatibility with seed treatment**
Sulfate	Good	Poor
EDTA	Conditionally	Poor
Lignosulfonate	Good	Limited
Oxide	Poor	Good
Acetate (Seedzinc)	Good	Good

ANALYSIS	w/v%
Zinc (Zn) as acetate	6.5
Zinc (Zn) as lignosulfonate	1.0
Zinc (Zn) total	7.5

Specific Gravity 1.13
pH 5 to 6

Impurities
Mo < 0.001%
Se < 0.001%
Cd < 1mg/kg
Pb < 2mg/kg
Hg < 0.2mg/kg

WARNING

Hazards: Harmful if swallowed. Harmful in contact with skin. Toxic to aquatic life. Harmful to aquatic life with long-lasting effects.

Prevention: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Disposal: Dispose of the empty container according to approved local practices, contact primary industries for information.

SPRAYGRO LIQUID FERTILIZERS
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PRODUCED AND MANUFACTURED IN AUSTRALIA

NOT APPLICABLE 1000 LITRE CONTAINERS

drumMUSTER eligible container

CAUTION

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Batch:

The following conditions must be observed to apply Spraygro product blends successfully. Failure to follow these instructions may result in damage to the plant.

- Use Spraygro product under conditions of optimum plant growth including moderate humidity, moderate temperatures and adequate soil moisture. Early morning or late afternoon spraying is most effective as evaporation can occur during hotter parts of the day. When mixing with other chemicals, always test a small quantity (e.g., bucket test) and check for precipitate (fall out) in mixture. If precipitation occurs, do not proceed further.
- Add wettable or soluble powders, emulsifiers or flowables to water in the mix and wet, dissolve or disperse before adding Spraygro product.
- Use the correct label spray rates of any pesticide used with Spraygro product.
- **DO NOT** use when crop is under heavy stress from pests or inadequate moisture levels.
- **DO NOT** apply by aircraft if surface wind is greater than 8 kph to assure adequate crop coverage and droplet deposition.
- **DO NOT** spray to run off. **DO NOT** spray to visible droplet coalescence. **DO NOT** allow concentrated spray mist to run on fruit or leaves.
- **DO NOT** apply during the heat of the day when temperature exceeds 28^{O}C, high humidity situations or when rain or frost is imminent.

Note: We recommend that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total crop spray.

DISCLAIMER/CONDITIONS OF SALE: 1) Foliar Fertilizers Pty Ltd trading as Spraygro Liquid Fertilizers and its servants and agents ("Spraygro") shall be under no liability to the purchaser and or user of Spraygro products ("customer") in respect to any loss or damage including consequential loss or damage which may be suffered incurred or arise directly or indirectly in respect of such products, or the use thereof, in accordance with the Spraygro Product Profile or not. 2) The customer warrants that there has been no reliance by the customer upon any representation made by Spraygro or upon any descriptions, illustrations or specifications contained Spraygro's Product Profile or any other document produced by Spraygro. 3) The customer understands that any representation of the type set out above is on the basis that the customer independently verify the accuracy thereof. 4) the customer shall at all times indemnify and hold harmless Spraygro from and against all loss (including reasonable legal costs and expenses) or liability incurred of suffered by Spraygro arising from any proceedings or threatened proceedings against Spraygro by or involving the customer. 5) Spraygro warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one other than an authorised officer of Spraygro is authorised to make any warranty, guarantee or direction concerning this product. 6) Before using please obtain a current Product Profile which is available from Spraygro or our distributor.

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