

# Agri-Paste Zn



Reg. No. B5850 Act No. 36 of 1947

**FERTILIZER GROUP 2**

**READ LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.**

Agri-Paste Zn is a highly concentrated zinc containing fertilizer, dispersible in water, for use as a foliar fertilizer to maintain or correct zinc deficiencies in plants.



## WARNING

Zinc (Zn) 1414 g/ℓ

SG: 2.48 @20 °C

### HAZARD STATEMENTS:

May cause an allergic skin reaction.  
Causes serious eye irritation.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long-lasting effects.

### PRECAUTIONARY STATEMENTS:

Wear eye protection/face protection/ protective gloves.  
Avoid release to the environment.

Registered, Manufactured and Distributed by : Rolfes Agri (Pty) Ltd.  
(Reg. No. 1998/013411/07) • 288 Mundt Street, Walthoo, 0184  
Gauteng, RSA. • Tel: (012) 803-0145

### Emergency contact details

Office Hour Poisoning Helpline  
Rolfes Agri (Pty) Ltd.  
Tel: +27 (12) 803 0145

**Rolfes**  
Agri

### Spill Response and Transport incidents

Spill Tech, Oil and chemical pollution control  
Tel: +27 (86) 100 0366 / +27 (83) 253 6618  
[www.spilltech.co.za](http://www.spilltech.co.za)

Store at room temperature  
Keep out of direct sunlight • Keep container closed when not in use



## PRECAUTIONS:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Avoid breathing dust/fumes/gas/mist/vapours/spray.
- Wash hands and affected area thoroughly after handling. Do **NOT** touch eyes.
- Contaminated work clothing should **NOT** be allowed out of the workplace.
- Avoid release to the environment.
- Wear eye protection/face protection/protective gloves.
- IF ON SKIN: Wash with plenty of water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see first aid on this label).
- If skin irritation or a rash occurs: Get medical help.
- If eye irritation persists: Get medical help.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Empty all contents from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds. Puncture the rinsed container to render it useless and send to a recycler.

## RELEVANT HAZAROUS SUBSTANCES:

Zinc Oxide < 80 %, Acrylic Polymer Sodium Salt < 10 %, and Benzisothiazolinone < 10 %.

## FIRST AID TREATMENT:

- **General Advice:** The symptoms resulting from direct exposure to the product could appear a while after exposure. If there is persistent discomfort, seek medical attention.
- **Eye contact:** Flush eyes immediately with large amounts of flowing cold water for at least 15 - 20 minutes, until no evidence of chemical remains. If irritation persists, get medical help immediately.

## APPLICATION RATES

CROP	Maximum Application Rate per Hectare	Application Rate per 100ℓ Water*	RECOMMENDATIONS
<b>POME FRUIT:</b> Apples, Pears	5 ℓ	25 – 100 mℓ	Apply as a full cover spray at bud burst and repeat 10 – 14 days later if necessary. Apply a last application after harvest, but before leaf fall. Avoid treatment during flowering.
<b>STONE FRUIT:</b> Peaches, Plums, Apricots, Olives	5 ℓ	25 – 100 mℓ	Apply as a full cover spray at winter bud and repeat at pink bud. Apply again after harvest, but before leaf fall.
<b>SUBTROPICAL FRUIT</b> Avocados, Mangoes, Citrus	5 ℓ	25 – 100 mℓ	Start application at 2/3 shoot elongation. Repeat 2 – 3 times with 10 day intervals.
<b>BANANAS</b>	5 ℓ	50 – 100 mℓ	Spray as required in 30 – 300 ℓ / ha water. Repeat if necessary.
<b>GRAPES</b>	5 ℓ	25 – 100 mℓ	Start application when the flower buds are visible. Repeat 2 – 3 times from 10 cm shoot growth until onset of flowering. Apply in 500 -1000 ℓ water per hectare.
<b>PERSIMMONS</b>	5 ℓ	25 – 100 mℓ	Start application when the flower buds are visible and repeat 2 – 3 times from 10 cm shoot growth until onset of flowering. Apply in 500 – 1000 ℓ per hectare.
<b>VEGETABLES</b> (except Brassicæ)	1 ℓ	50 – 100 mℓ	Apply at 4 – 8 leaf stage in 50 – 500 ℓ water / ha.

- **Skin contact:** Remove all contaminated clothing and shoes. Gently wipe off residual chemical and wash skin thoroughly with non-abrasive soap. If irritation persists, get medical help.
- **Inhalation:** Remove the affected victim from exposure to an area with fresh air. If breathing has stopped, administer artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If irritation persists, get medical help.
- **Ingestion:** If exposed or concerned, rinse mouth thoroughly with large amounts of water and get medical advice.

## DIRECTIONS FOR USE:

- Use only as directed.
- **AGRI-PASTE Zn** is highly concentrated, so it needs to be “dispersed” before being added to the spray tank. For example, add 5 ℓ of product to 10 ℓ of clean water and stir until dissolved and then add to the spray tank.
- **AGRI-PASTE Zn** is a highly concentrated paste with uniform particle sizes smaller than 5 µm so it can be used for fertigation, pivot, drip, and micro applications.
- Do **NOT** apply to plants that are undergoing a period of moisture or heat stress.
- Avoid applications under adverse climatic conditions. **AGRI-PASTE Zn** should preferably be applied early in the morning or late afternoon.
- Make sure all equipment is clean before use, and there are no residues in the tank.
- It is advisable to do a miscibility test prior to mixing **AGRI-PASTE Zn** with other chemicals.
- Ensure good agitation once the mixture is added to the spray tank.
- Consult with your chemical distributor should crop specific programs or any other information be required about the use of **AGRI-PASTE Zn**.
- For optimum results, **AGRI-PASTE Zn** should be used in a program with balanced fertilizers and in combination with foliar fertilizers.
- Contact your **Rolfes Agri** distributor or a **Rolfes Agri (Pty) Ltd** representative to develop a crop specific program in conjunction with the **Absolute Agri Crop Technology**, which is based on leaf and soil analysis.
- In all cases the optimal rates should be determined by soil fertility and soil type as well as crop type and the age of the crop.

CROP	Maximum Rate per Hectare	Rate per 100ℓ Water	REMARKS
BRASSICAS	1 ℓ	200 mℓ	Apply at 4 – 8 leaf stage in 50 – 500 ℓ / ha water.
POTATOES	1 ℓ	50 – 100 mℓ	Apply once 7 days after 100 % emergence in 200 – 500 ℓ / ha water.
MAIZE	1 ℓ	50 – 100 mℓ	Apply at 4 – 8 leaf stage in 200 – 500 ℓ / ha water.
CANOLA	1 ℓ	50 – 100 mℓ	Apply in 200 – 500 ℓ water as needed or as leaf analysis indicate.
CEREALS	1 ℓ	50 – 100 mℓ	Apply from tillering to when first node is detectable (Zadok's G.S. 20-31) in 200 – 500 ℓ /ha water.
PASTURES	1 ℓ	50 – 100 mℓ	Apply 10 – 14 days prior to turnout in 200 ℓ / ha water. Keep animals out of treated pastures 10 days after application to allow for nutrient uptake.
SILAGE & HAY	1 ℓ	50 – 100 mℓ	Apply when grass growth is sufficient to absorb the spray ( $\pm$ 15 cm high) in 500 ℓ / ha water.
TREE NUTS: Macadamia	1.5 ℓ	50 – 100 mℓ	Spray when leaves are about 2/3 expanded, and if required also during periods of flowering.
Pecans	1.5 ℓ	100 – 150 mℓ	Spray when leaf buds are 5 cm long. Repeat at least 3 times at intervals of 2 to 3 weeks. In some cases, it might be necessary to spray more times.
SOYBEANS	1 ℓ	500 mℓ	Apply in 200 – 500 ℓ water as needed or as indicated by a leaf analysis.
SUNFLOWER	1 ℓ	500 mℓ	Apply in 200 – 500 ℓ water as needed or as indicated by a leaf analysis.
DRY BEANS, PEAS	1 ℓ	500 mℓ	Apply in 200 – 500 ℓ water as needed or as indicated by a leaf analysis.

\* **Important Note:** Never exceed the maximum rate per hectare per crop, as indicated above, irrespective of the water volume per hectare.