

# Instinct®

Optinyte™ technology

**NITROGEN STABILISER**

™ ® Trademarks of Corteva Agriscience and its affiliated companies.

Contains 300 g/L nitrpyrin in a water based microencapsulated formulation.

Use to minimise the loss of nitrogen fertilizer compositions in the soil by inhibiting the nitrification process.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**READ THE LABEL AND BOOKLET BEFORE USING  
PROTECT FROM FROST  
SHAKE BOTTLE WELL BEFORE USE**

**Authorisation Holder**

**Corteva Agriscience UK Limited**

Unit H4, Building H, Melbourn Science Park, Cambridge Road,  
Melbourn, Cambridgeshire, SG8 6HB, UK  
For Technical Enquiries Call: +44 (0)800 6898899 or  
email: ukhotline@corteva.com

**24 Hour Emergency Telephone Number: 0161 884 1235**

National Poisons Information Service: 111

## Instinct

Contains Decyl alcohol, ethoxylated, phosphated, potassium salt; Polyoxyethylene octyl ether phosphate potassium salt; 1,2-Benzisothiazol-3-one



## DANGER

**May cause an allergic skin reaction**

**Causes serious eye damage**

**Toxic to aquatic life with long lasting effects**

Wear protective gloves/protective clothing / eye protection / face protection.

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. Immediately call a POISON CENTRE / doctor.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains isocyanates. May produce an allergic reaction.

**To avoid risks to human health and the environment, comply with the instructions for use.**

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## SAFETY PRECAUTIONS

### Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, AND FACE PROTECTION (FACESHIELD)** when handling the concentrate and contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

**WASH ALL PROTECTIVE CLOTHING** thoroughly after use, especially the insides of gloves.

**WASH HANDS/EXPOSED SKIN** before eating and drinking/smoking/after work.

**WHEN USING DO NOT EAT, DRINK OR SMOKE.**

### Environmental protection:

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/ Avoid contamination via drains from farmyards and roads.)

### Storage and disposal:

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

## DIRECTIONS FOR USE

### GENERAL INFORMATION

Instinct is a nitrification inhibitor for use with nitrogen based fertilizers. When used as directed Instinct will reduce the loss of nitrogen from the soil by leaching and de-nitrification. Instinct is not a substitute for fertilizer.

Instinct may be applied to Potatoes, Sugar Beet, Maize, Winter Wheat, Winter Barley, Winter Oats, Spring barley, Spring Wheat, Spring Oats, Winter Oil Seed Rape, Spring Oil Seed Rape or land intended for these crops. Advice should be sought where Barley crops are intended for malting.

Instinct may be applied before or after the application of ammonium nitrate or urea based fertilisers. It may also be applied to land where manure or slurry has been, or is going to be, applied. Instinct may also be mixed with liquid fertilizer.

Instinct should be incorporated into the soil mechanically, or by rainfall or irrigation. For optimum performance 12mm of rain or irrigation is required within 10 days of application.

### RESTRICTIONS

- Do not apply more than a total of 3.4 L of Instinct per hectare per year.
- 125 days must elapse between applications.

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**(on the back of 2D code area**  
**printed on the front page)**  
**65 mm x 20 mm**

## RATE OF APPLICATION

### Liquid Fertilizers

Apply Instinct at a rate of 1.7 L/ha.

Add the required amount of Instinct to the fertilizer, continuously agitating as the product is added to the fertilizer. This will ensure a uniform mixing of Instinct and fertilizer and ensure a stable emulsion of Instinct in liquid fertilizer is formed.

### Water

Instinct should be applied via a conventional sprayer in 100-300 L of water at a rate of 1.7 L/ha. Add half the required volume of water to the spray tank and begin agitation, pour the required amount of Instinct into the partially filled spray tank. Continue agitation while topping up the tank and during spraying and transport operations.

### Sprayer Clean-Out Instructions

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

2. First rinse:

- Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
- Agitate and circulate for 15 minutes, and flush through booms and hoses.
- Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
- Drain tank completely.

3. Second rinse:

- Fill the tank with clean water.
- Add a commercial tank cleaning agent as per manufacturer's recommendations while filling the tank with clean water.
- Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
- If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
- After flushing the boom and hoses, drain tank completely.
- Remove nozzles and screens and clean separately with a cleaning agent.

4. Third rinse:

- Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
- Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
- Drain tank completely.

**Do not use chlorine bleach** with ammonia containing products. Mixing ammonia with chlorine bleach will release a gas with a musty odour which may cause eye, nose, throat and lung irritation. Do not clean equipment in an enclosed area.

## TRADEMARK ACKNOWLEDGEMENTS

Instinct is a trademark of Corteva Agriscience and its affiliated companies.

All other brand names are trademarks of other manufacturers for which proprietary rights may exist

## **Corteva Agriscience Conditions of Supply**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

For further information please contact Corteva Agriscience.

**To access the Safety Data Sheet for this product scan the QR code or use the weblink below:**



<https://www.corteva.co.uk/content/dam/dpagco/corteva/eu/gb/en/files/sds/INSTINCT-SDS.pdf>

Alternatively contact your supplier

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