

Instinct®

Optinyte™ technology

NITROGEN STABILISER

BEST MANAGEMENT PRACTICES WITH ORGANIC FERTILISERS

Instinct® nitrogen stabiliser uses a unique micro-encapsulation technology to create a water-based, non-corrosive formulation that can be safely used with all types of agricultural machinery. Here are a few tips for using Instinct with slurry and biogas digestate.

As well as applying Instinct through a crop sprayer, Instinct can be applied with organic manure and biogas digestate.

MIXING INSTINCT PRIOR TO USE

This provides a consistent viscosity and improves pumping and measuring.

MIXING WITH SLURRY OR BIOGAS DIGESTATE

- Instinct mixes well with slurry and biogas digestate.
- Be sure to use the correct dose rate of 1.7 l/ha of Instinct – independently of slurry or digestate rate per ha.
- Mix slurry or digestate before pumping it out to the tanker to ensure uniform distribution of solid fraction.
- If adding Instinct to the slurry/digestate lagoon on the farm, ensure constant agitation during pumping out slurry to the tanker. Instinct microcapsules are heavy and therefore they accumulate on the bottom of the lagoon.
- If adding Instinct to the slurry/digestate during tanker filling, there is no need for agitation as long as the slurry/digestate was mixed in the pit/lagoon.



USING INSTINCT WITH APPLICATORS (e.g., NITRATOP)

1. Each device should be calibrated before first use of Instinct due to its viscosity which might be different from products used previously.
2. Calibration means running a couple of filling cycles while adjusting pump speed to the correct amount within a given time. Instinct can then be pumped into the device tank or a bucket. This product can then be used for slurry/digestate application.
3. After calibrating, the device is ready to fill with Instinct while pumping slurry/digestate, it is worth frequently checking the pump to ensure it is pumping the correct amount of Instinct. If the amount is different – recalibration is recommended.
4. Nitrator and any other nitrification applicators should be maintained and serviced according to the instruction provided by the equipment manufacturer or distributor.

GOOD PRACTICE ADVICE



Mix and apply slurry/digestate with Instinct on the same day.



Use agitation before pumping slurry/digestate into the tanker to ensure uniform distribution of solid and liquid fraction as well as availability of nutrients.



It is highly recommended to check nutrient content in slurry/digestate and use only the rate per ha that is required by the crop.



Keep your machinery clean after use including nitrification inhibitor applicator device to ensure longevity.

INSTINCT USE IN AIR-SCRUBBERS

- Instinct is an excellent product for use in biologically driven air-scrubbers installed on animal buildings.
- Instinct keeps water pH in air-scrubbers on a neutral level (around 7) with minimal input for a long period of time.
- Waste water from air-scrubbers can be utilised together with slurry or biogas digestate for fertilising crops in the field.



FOR MORE INFORMATION ABOUT INSTINCT VISIT
WWW.CORTEVA.CO.UK/INSTINCT