

RELDAN 22

For Control of Insects and Mites in Stored Cereal Grains and Grain Stores

Key Facts

Product Registration Number:	PCS03623
Active Ingredients:	225 g/litre chlorpyrifos-methyl
Pack Size:	1.0 Litre
Formulation:	Emulsifiable Concentrate
Maximum Individual Dose:	Grain store – 200 ml Reldan 22 /10.0 litres water / 100 m ² Treated grain (immediate eradication) - 10 ml Reldan 22 /1.5 litres water/tonne of grain (see below) Treated grain (long term storage protection) - 20 ml Reldan 22 /1.5 litres water/tonne of grain (see below)
Maximum Total Dose:	One application per batch
Latest Timing:	Grain store – no withholding period Treated grain: 10 ml per tonne of grain – no withholding period Treated grain: 20 ml per tonne of grain – 90 days before processing
Water Volume:	Grain store – 200 ml Reldan 22 / 5.0 litres water/100 m ² Treated grain – Max. Concentration 20 ml Reldan 22 / 0.75 litres water/tonne of grain (see below)

Key Benefits

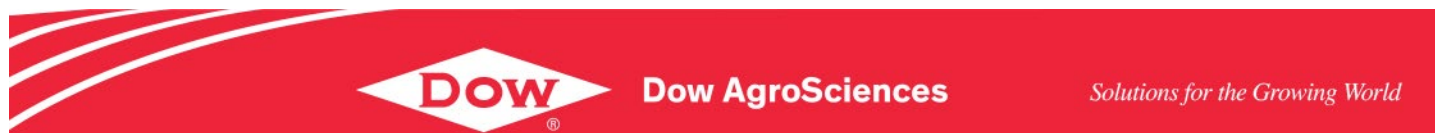
- Mite and insect infestation in Irish stored grain causes annual losses of 5 -10%
- Presence of mites can give rise to opportunistic mould infestation as a result of increased heat
- Reldan 22 will control all major mite and insect pests of stored grain including:
 - Copra mite, Common flour mite*, Cosmopolitan food mite, Saw-toothed grain beetle*, Rust-red grain beetle, Foreign grain beetle, Rust-red flour beetle*, Confused flour beetle, Merchant grain beetle, Indian meal moth, Warehouse moth, Mediterranean flour moth, Grain weevil, Rice weevil
 - * OP resistant strains exist
- Reldan 22 is the ONLY grain store fabric treatment to control mites
- Works by contact, ingestion and fumigant activity
- A single pre-harvest grain store application offers 6 months protection
- Accepted by the BBPA and BRI for use on grain intended for malting and brewing

Best Use Advice - Grain Stores

- Can be used to treat stores destined for wheat, barley, oats, rye and triticale
- Apply 200 ml of Reldan 22 in 5.0 L water to treat an area of 100 m²
 - If surfaces are porous, increase the water volume to 10.0 L per 100 m²
- Applications can be made using a knapsack sprayer or tractor operated spray lance
- Use only one application
- Applications should be made to a clean store/clean equipment – no debris and certainly no grain should be present
- Treat all surfaces including crevices and joints, and grain handling equipment
- Ideally, apply 1 month before grain filling begins
- Reldan treatments will persist for 6 months offering long-term storage peace of mind

Best Use Advice - Harvested Grain

- Can be used to treat wheat, barley, oats, rye and triticale
- For immediate eradication of grain store pests, use at 10 ml in 0.75 to 1.5 L water per tonne of grain – No withholding period at this rate
- For long term storage protection use at 20 ml in 0.75 to 1.5 L water per tonne of grain. After treatment grain should not be processed for 90 days.
- Treated grain should not be used for seed
- Applications should be made via a suitable insecticide applicator to grain that has been dried (or is below 14% moisture), cooled and cleaned
- Application rates are based on grain conveyer throughput:
 - < 5 tonnes per hour apply 20 ml Reldan 22 in 1.5 L water per tonne of grain
 - > 5 tonnes per hour apply 20 ml Reldan 22 in 0.75 L water per tonne of grain
- The spray solution should be constantly agitated until application is complete



Use plant protection products safely. Always read the label and product information before use. **PAY ATTENTION TO THE RISK INDICATIONS AND FOLLOW THE SAFETY PRECAUTIONS ON THE LABEL.** Triple Rinse Containers and Invert to Dry at Time of Use. Reldan® 22 contains chlorpyrifos-methyl. Authorisation Holder: Dow AgroSciences Limited, CPC2 Capital Park, Fulbourn, Cambridge CB21 5XE. www.dowagro.com/ie/ Marketing Company: Whelehan Crop Protection, Suite 11/12 Bunkilla Plaza, Bracetown Business Park, Clonee, Dublin 15, Ireland. Tel: 00 353 1 4688900 Email: cropprotection@tpwhelehan.ie ©TM Trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow. All other brand names are trademarks of other manufacturers for which proprietary rights may exist.

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Reldan 22

Even after harvest 10% of grain yield can still be lost to insect damage



- Mite and insect infestation in Irish stored grain causes annual losses of 5 -10%.

- Mite and insect feeding results in direct yield losses but can also have a detrimental effect on the quality of stored grain. Grain store pests can affect the nutritional value and act as a source of allergens which can lead to serious gastric problems in feeding animals. Whether intended for milling, malting or feed, infested grain runs the risk of being rejected.

- Reldan 22 is a broad spectrum acaricide and insecticide that will control all major pests of stored grain including Acarus, Lepidoglyphus and Tyrophagus, the three main mite species found in grain stores.

- Reldan 22 is the only pre-harvest grain store treatment effective on these common pests. It also controls many other common beetle and moth pests of grain.

- Reldan 22 is the ONLY grain store fabric treatment to control mites



Top Left

Acarus or Flour mite



Bottom Left

Lepidoglyphus or Cosmopolitan Food Mite

(both on wheat kernels)

What pests will it control?

It will control ALL major mite and insect pests of stored grain including:

Copra mite	Confused flour beetle
Common flour mite	Merchant grain beetle
Cosmopolitan food mite	Indian meal moth
Saw-toothed grain beetle	Warehouse moth
Rust-red grain beetle	Mediterranean flour moth
Foreign grain beetle	Grain weevil
Rust-red flour beetle	Rice weevil

