

Key Facts

Product Registration Number:	MAPP 16710
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
Withholding Period:	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 / 5-10 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 UK 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 – Cereal and Oilseed Rape Stores

- For treating empty storage structures and crop handling equipment
- Apply 200 ml of Reldan 22 in 5 to 10 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
- Apply 4 weeks before grain filling begins
 - For stores intended for oilseed rape: If the store is metal bins allow 4 weeks minimum before loading with oilseed rape. If concrete, this can be reduced to 1 day, but ideally leave 4 weeks between treatment and filling, to allow treatment to work
- 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 (NOT oilseed rape)
- 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 Reldan 22 in 1.5 L water per tonne of grain
 - > 5 tonnes per hour apply Reldan 22 in 0.75 L water per tonne of grain
- The spray solution should be constantly agitated until application is complete



Reldan 22

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



- Mite and insect infestation in UK 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



Dow AgroSciences

Solutions for the Growing World