Summary of label claims

SITUATION	PEST	RATE	CRITICAL COMMENTS
In and around domestic, commercial and institutional buildings: (eg. hospitals, health and aged care facilities, food processing areas, offices, houses and schools).	Nuisance ants, including; Black house ant *(Ochetellus glaber)* Ghost ant *(Tapinoma - melanocephalum)* Argentine ant *(Linepithema humile)* Pharoah's ant *(Monomorium pharaonis)* White footed house ant *(Technomyrmex albipes)*	0.2 g or 200 mg/m² (equivalent to one pea-sized drop or a number of smaller drops). Use sufficient number of baiting points to maximise bait uptake. The greater the number of baiting points the greater the chance of control since more ants will be able to access the bait. The number of bait locations and actual volume of bait required will depend on the level of infestation. Maintain sufficient bait levels until ant activity has ceased. Since Maxforce Quantum has been shown to remain palatable to ants for eight weeks after treatment replenishment of bait may not be necessary if adequate quantities are placed at the first visit.	Place bait on non-porous horizontal surfaces or in bait stations at intervals along ant trails and/or where ants are seen. Place securely in areas where bait will not be disturbed or contaminated by cleaning or work activities. Bait effectiveness will be optimised if other possible sources of food are eliminated. Use sufficient number of baiting points to maximise bait uptake. The greater the number of baiting points, the greater the chance of control since more ants will be able to access the bait. Refer to General Instructions on the label for additional information.

Value for money

One bottle of Maxforce Quantum provides double the number of bait placements compared to current competitor gel baits in 30g cartridges (when used as directed).



= 600 BAIT PLACEMENTS



= 300 BAIT PLACEMENTS

MAXFORCE QUANTUM

Maxforce Quantum...

- Provides faster control than Maxforce Liquid Ant Bait.
- Has demonstrated longer lasting palatability compared to other gel baits.
- Provides better value for money than other available ant gel baits.
- Has the best safety profile of any of the currently available gel-like ant baits.
- Contains >99.9% naturally derived ingredients.

It lasts. Ants don't.



Bayer Environmental Science is committed to sustainable development

Bayer is committed to sustainable development. Maxforce branded products were some of the first ant baiting systems introduced into the market. This helped change pest management practices, moving away from broad spectrum indoor sprays towards more targetted (and safer) use of specific bait products. Maxforce Quantum is a viscous liquid bait made up almost entirely (>99.9%) from naturally derived ingredients.

Bayer is a leader in sustainable development within the industry and has been included in the Dow Jones Sustainability World Index on a number of occasions and is the first European Chemical company to be listed in the Carbon Disclosure Leadership Index.

PROTECTING TOMORROW ...TODAY

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ALWAYS READ AND FOLLOW THE REGISTERED PRODUCT LABEL PRIOR TO USE

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Bayer Environmental Science

MAXFORCE QUANTUM IT LASTS. ANTS DON'T.

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MAXFORCE QUANTUM IT LASTS. ANTS DON'T.

Up the anti.



HVL TECHNOLOGY

The quantum leap in ant control is here.

Bayer Environmental Science

Maxforce Quantum

It lasts. Ants don't.

Key features and benefits

Feature	Benefit
Broad spectrum appeal to many ant species	Controls sugar feeding species as well as certain protein feeding ant species.
A completely homogeneous viscous liquid bait	Ants are liquid feeders. Maxforce Quantum is in a physical state which matches the natural feeding preference of the target pest.
Contains 0.03% imidacloprid	Higher concentration compared to earlier Maxforce liquid baits (0.005%) provides faster elimination of the ant colony.
Utilises patented HVL Technology™	Extended bait life. Place enough bait at first visit and have confidence of ongoing palatability to ants for a minimum of eight weeks after application. Bait is also completely stable under a range of temperature extremes.
Non-scheduled	Non-toxic formulation provides greater level of confidence of safety in use compared to other competitor products classified as poisons.
Contains >99.9% naturally derived ingredients	Low level of synthetic ingredients means greater attractiveness to ants (Customers will also appreciate this feature).
Low application rate (0.2 g per bait placement)	One 120 g bottle contains 600 bait placements. This is a highly cost effective product.

Maxforce Quantum Liquid Ant Bait (with HVL Technology)

Maxforce Quantum is a viscous liquid bait made up almost entirely (>99.9%) from naturally derived ingredients. It has been specifically developed with a patented formulation system (HVL Technology) which utilises the unique properties of the ingredients to naturally preserve the bait and ensure long term attractiveness to ants without artificial preservatives. Ants are attracted to the bait and then take it back to the nest where the active ingredient kills the queen, workers and the rest of the nest.

Broad spectrum control

Maxforce Quantum has been scientifically tested in Australia against Australian ant species and has shown a high level of effectiveness against a range of pest ants. Maxforce Quantum is effective against sugar feeding species as well as protein feeding species*

The registered label carries claims for the following species:

- ***Ochetellus glaber*** (Black house ant)
- ***Tapinoma melanocephalum*** (Ghost ant)
- ***Technomyrmex albipes*** (White-footed ant)
- ***Monomorium pharaonis*** (Pharaoh's ant)
- ***Linepithema humile*** (Argentine ant)

Trials around the world reinforce the results found here in Australia. Testing against additional species in other countries has also shown palatability and attractiveness to species such as Odorous house ants, Crazy ants, Thief ants, Acrobat ants, Pavement ants and Rover ants. Not all of these species are found in Australia but these results illustrate the broad spectrum appeal of this product.

**NOTE: Whilst certain protein feeders will feed on sugary liquids there are other protein-feeding ants for which granular protein based baits are still the best choice for control, especially in outdoor areas.*

The importance of a liquid bait

Worker ants are liquid feeders. They have features called buccal filters which prevents them from ingesting solid baits. They are naturally more attracted to liquid based baits which are easy to imbibe and carry back to their nests. Maxforce Quantum is therefore in a physical state which completely matches their preference. This can be readily observed by the high level of attractiveness and rapid uptake of this bait to target pest ants. (Note that granular baits usually contain a proportion of oil in which the toxicant is distributed.)

Worker ants must therefore either take oil from the granules or carry the granules back to the nest for the juvenile stages (that can ingest solid food).

The Maxforce Quantum advantage – HVL Technology

Conventional liquid baits (and even some gel products) can dry out relatively quickly when exposed to the environment and therefore lose their attractiveness to ants. Maxforce Quantum utilizes HVL (Hygroscopic Viscous Liquid) Technology to extend the life of the bait and ensure long-lasting effectiveness.

HVL Technology utilises the unique properties of a naturally derived ingredient to not only function as a preservative (eliminating the need for artificial preservatives which can impact on palatability to ants) but also to result in a product which exhibits hygroscopic properties. (Hygroscopic means to attract or readily absorb moisture from the air - in other words this means 'non-drying').

As a result, the liquid nature of Maxforce Quantum is maintained over an extended period and the bait remains attractive to ants virtually indefinitely. Trials show that Maxforce Quantum palatability significantly outlasts other competitor gels.

Aged bait placements at 3 months old



Maxforce Quantum



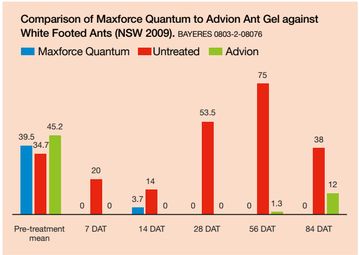
Advion®

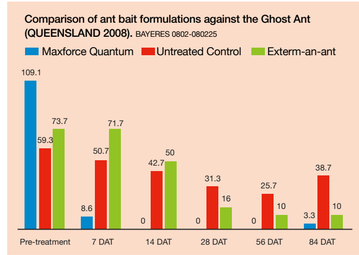
The safer choice

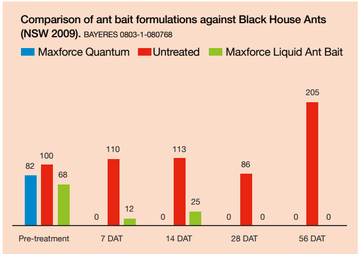
Maxforce Quantum is not classified as a poison and is completely non-hazardous. It is also odourless, non-irritating and non-sensitising. The non-toxic profile makes it an ideal product to use in indoor situations where the potential for accidental contact with children or domestic pets can sometimes be a risk.

Biological performance:

The results observed from a selection of Australian field trials are summarised below. (Graphs indicate counts of numbers of ants at various intervals after treatment).







As can be seen from this small selection of field trial results with Maxforce Quantum, rapid elimination of ant activity can be expected within a week with complete elimination of the infestation usually achieved within two weeks.

These were not laboratory based trials conducted with overseas species but local trials carried out under Australian field conditions.

MAXFORCE® QUANTUM

