

PRECISION

DELIVERY SYSTEM

Featuring Doxem[®] Precise Dry Flowable Cockroach Bait

Doxem[®] Precise - Research Summary Longevity Snell

Doxem[®] Precise Dry Flowable Cockroach Bait

OBJECTIVE

CSI entomologists wanted to determine how long an application of Doxem Precise would be effective once applied.

NON-CHOICE TEST - LABORATORY STUDY OF COCKROACH BAIT

Doxem Precise Dry Flowable bait was encountered when cockroaches left preferred harborage to find food and water sources.

METHODS FOR COMPLETING THE TEST

This was a non-choice test conducted in arenas consisting of 2-20 oz plastic cups connected with a piece of PVC pipe measuring approximately 15 cm long by 1.25 cm in diameter. Each arena contained, on one side, a preferred cockroach harborage and on the other side, connected by the PVC pipe, lab diet and a water source. The interior of the PVC pipe was treated with Doxem Precise Dry Flowable Cockroach Bait. The treatments were applied so that the entire inner pipe surface was treated as evenly as possible.

Ten adult, mixed sex German cockroaches (*Blattella germanica*) were placed into each arena, on the harborage side. Five replications of each treatment were completed.

After bait introduction, mortality was assessed daily for up to 12 days.

The same arenas were used for 3 separate evaluations, aged at ambient laboratory conditions at the following times:

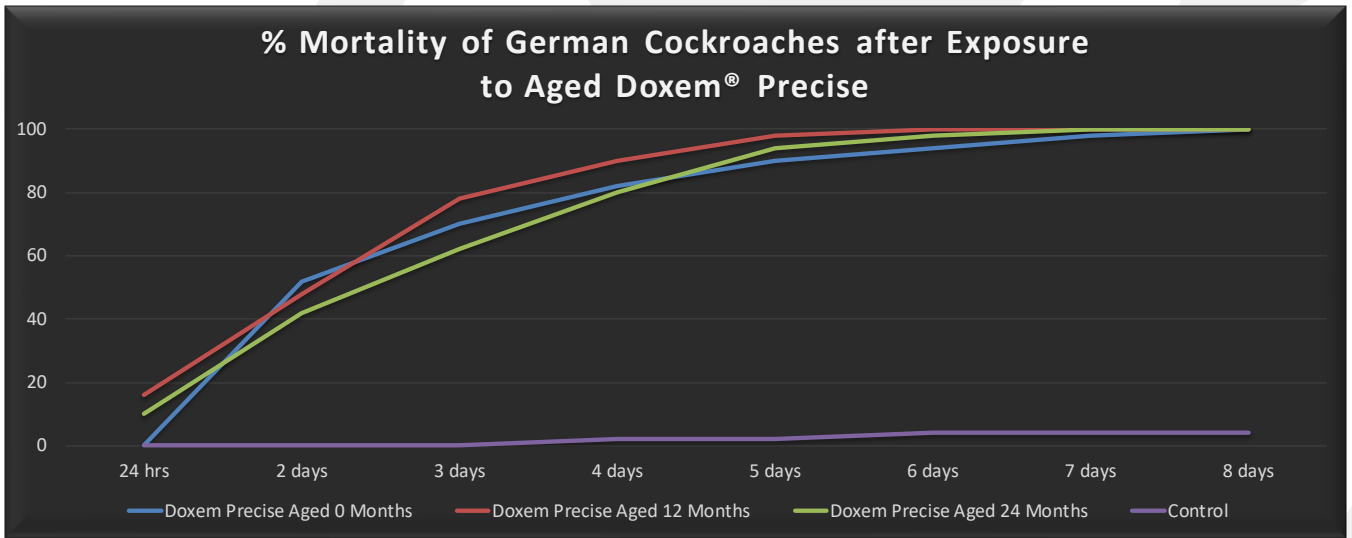
- 0 months aged
- 12 months aged
- 24 months aged

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EFFICACY RESULTS

PRODUCT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8
Doxem [®] Precise Aged 0 mths	24 a	73 a	94 a	97 a	97 a	97 a	100 a	100 a
Doxem Precise Aged 0 mths	21 a	76 a	94 a	96 a	96 a	96 a	99 a	100 a
Doxem Precise Aged 0 mths	20 a	71 a	94 a	99 a	99 a	99 a	100 a	100 a
Control	1 b	1 b	16 b	29 b	31 b	31 b	54 b	79 b



CONCLUSIONS

1. Doxem Precise is highly effective against German cockroaches.
2. Doxem Precise remains highly effective, up to 2 years after application.
3. Significant control of all species was reported. Greater than 90% mortality was achieved for all three aging times by day 5.
4. Doxem Precise remains effective after cockroaches potentially remove some of the applied bait.

For More Information:

CSI-PDS.com



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