

BAIT OVERVIEW

CRICKOFF PRO Advanced has been specifically developed for superior and sustained control of the introduced Black Field Cricket (*Teleogryllus commodus*) in all New Zealand environments.

Its superior palatability and efficacy will result in rapid knock down and control of the target pest ensuring maximum pasture survival and growth.

CRICKOFF PRO Advanced is a malathion-formulated ready-to-apply whole wheat bait that can be spread mechanically or aerially depending on the situation.

The recommended application rate is 11kg per hectare and the product is supplied in convenient 2 hectare, 22kg treatment bags.

PALATABILITY, EFFICACY & MORTALITY COMPARATIVE TRIALS

CRICKOFF PRO Advanced has undergone rigorous testing to ensure highly effective target species knockdown in all conditions and environments, whilst being safe and suitable where beneficial insects are present, or near crops or where stock graze.

The withholding period for grazing stock on treated areas is 7 days, however further trials are aiming to assess if it is safe to reduce this period.

Bait palatability and efficacy trials undertaken have consisted of standard two-choice tests as well as individual consumption and mortality testing comparing CRICKOFF PRO with the presently available 'Incumbent Bait'.

Daily consumption of the two bait types was recorded and compared. A paired t-test was used to determine whether there was a significant difference between the two bait types.

Research studies were conducted appropriately following Animal Ethics and ACVM research standards as well as Landcare Research Standard Operating Procedures for animal acclimatization.

The studies were conducted on a statistically robust sample of 200 healthy, mixed - sex, late stage nymph and adult black field crickets – 100 used for the paired two-choice palatability and mortality trials and 100 for individual bait consumption and mortality testing.

RESULTS

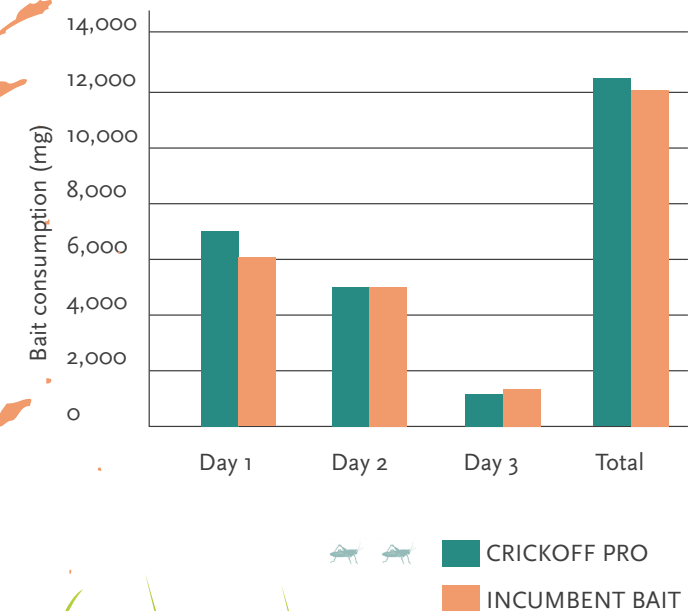
Results have shown that CRICKOFF PRO Advanced has higher but not statistically significant preferred consumption to the presently available 'Incumbent Bait'.

Total bait consumption of CRICKOFF PRO was 12.557 + 1.603g compared to 12.272 + 1.874g for the 'Incumbent Bait'.

Although slightly more CRICKOFF PRO was consumed compared to the 'Incumbent Bait', the difference was not statistically significant for the two bait types ($p = 0.39$).

Presentation of both baits in the trials achieved 100% mortality of late stage nymphs and adults over 0-3 days. No sub-lethal doses were present.

BLACK FIELD CRICKET PALATABILITY CRICKOFF PRO & INCUMBENT BAIT.



BAIT STABILITY, TOXICITY & WEATHERING

Bait stability testing was undertaken by Hill Laboratories in Hamilton with results highlighting that the stability of CRICKOFF PRO exceeds ERMA and ACVM standards.

CRICKOFF PRO remains stable and within its regulatory expiry specifications for at least 12 months if stored as recommended in a cool, dry environment in its original packaging.

Bait weathering tests as part of the efficacy trials have indicated that, once applied, CRICKOFF PRO remains suitably toxic despite slowly degrading over two weeks in the field, including after a period of 10mm of rainfall.

The stock withholding period of 7 days following application has been proven safe & suitable.

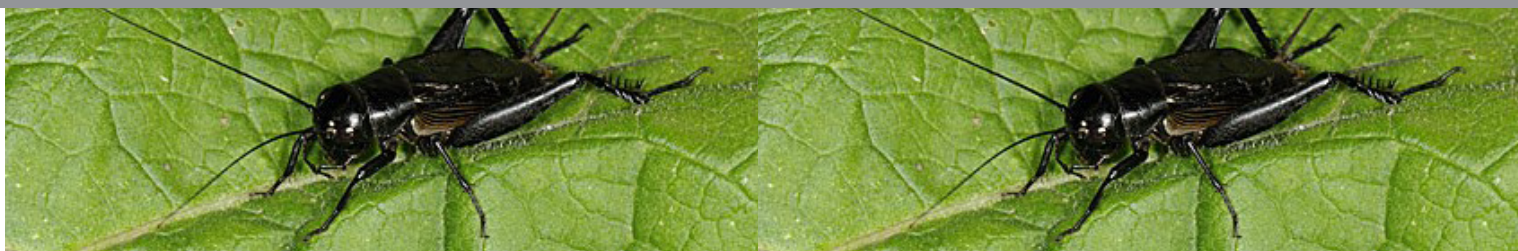
BAIT DEVELOPMENT & MANUFACTURE

CRICKOFF PRO Advanced has been developed over a period of 3 years by a dedicated team of animal pest ecologists, toxicologists and agricultural technicians. We pride ourselves on actively researching, developing and deploying highly effective, humane, environmentally and socially acceptable tools for our pest control and environmental management industries.

The manufacture of CRICKOFF PRO is undertaken to the highest standards using fresh active ingredient and screened whole-wheat to ensure the finest quality bait on the market, guaranteed.

Registered pursuant to the ACVM Act 1997, P7974.
Registered and manufactured under ERMA HSNO regulations.
Approval HSR100407.

CRICKOFF PRO Advanced – giving you the confidence & ability to grow the pasture you need, in all conditions and all environments.



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CrickOff Pro

Advanced

Superior Control of Black Field Crickets

Highly palatable malathion-treated whole wheat bait for the most effective control of black field crickets in all environments.

EPA & MPI APPROVED