

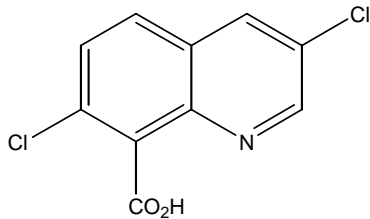
NOTICE

Quinclorac

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application for the approval of a new active constituent, quinclorac. Quinclorac is a quinoline carboxylic acid that has weak auxin activity, as determined in various elongation tests, with uptake *via* the foliage and root system, with systemic acropetal translocation *via* phloem and has been developed as a post emergence herbicide.

In accordance with section 12 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for approval of quinclorac should be granted. Submissions should state the grounds on which they are based. Such grounds should relate only to the matters that the APVMA is required to take into account in deciding whether to grant the approval. Comments must be received by the APVMA within 28 days of the date of this Gazette.

Particulars of the Active Constituent

Common Name:	Quinclorac
IUPAC Name:	3,7-Dichloroquinoline-8-carboxylic acid
CA Name:	3,7-Dichloro-8-quinolinecarboxylic acid
CAS Number:	84087-01-4
Manufacturer's Codes:	LAB 150 732; BAS 514 H
Minimum Purity:	960 g/kg
Molecular Formula:	C ₁₀ H ₅ Cl ₂ NO ₂
Molecular Weight:	242.07
Structure:	

Chemical Family:	Quinoline carboxylic acid
Mode of Action:	Auxin activity

Summary of the APVMA's Evaluation of Quinclorac Active Constituent

The Chemistry and Residues Program of the APVMA has evaluated the chemistry aspects of quinclorac active constituent (manufacturing process, quality control procedures, batch analysis results and analytical methods) and found them to be acceptable.

On the basis of the data provided, it is proposed that the following APVMA Active Constituent Standard be established for quinclorac active constituent:

Constituent	Specification	Level
Quinclorac	Quinclorac	Not less than 960 g/kg

Other compounds of toxicological significance are not expected to occur in quinclorac as a result of the raw materials and the synthetic route used.

The Office of Chemical Safety of the Therapeutic Goods Administration has considered the toxicological aspects of quinclorac, and advised that there are no toxicological objections to the approval of this chemical.

An acceptable daily intake (ADI) of 0.3 mg/kg bw/d is recommended based on no observed effect levels (NOEL) of 35 mg/kg bw/d in a 12-month dog study, and applying a 100-fold safety factor. The acute reference dose (ARfD) is 2 mg/kg bw/d based on the absence of effects in an acute toxicity study in mice at 200 mg/kg bw and applying a 100-fold safety factor.

The National Drugs and Poisons Schedule Committee (NDPSC) has included quinclorac into Schedule 5 of the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

The APVMA accepts the findings and recommendations of its advisers on these criteria.

The APVMA is satisfied that the proposed importation and use of quinclorac would not be an undue toxicological hazard to the safety of people exposed to it during its handling and use.

Written submissions on the APVMA's proposal to grant approval for quinclorac should be addressed in writing to:

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