



**Australian Government**  
**Australian Pesticides and  
Veterinary Medicines Authority**

**PERMIT TO ALLOW MINOR USE OF AN AGVET CHEMICAL PRODUCT**

**FOR CONTROL OF Bt SUSCEPTIBLE LEPIDOPTERAN PESTS IN GINGER**

**PERMIT NUMBER – PER87743**

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows any person to claim that the product can be used in the manner specified in this permit.

**THIS PERMIT IS IN FORCE FROM 8 JULY 2019 to 31 JULY 2024**

**Permit Holder:**

AUSTRALIAN GINGER INDUSTRY ASSOCIATION INCORPORATED  
c/o AgAware Consulting Pty Ltd  
21 Rosella Avenue  
STRATHFIELDSAYE VIC 3551

**Persons who can use the product under this permit:**

Persons generally.

## CONDITIONS OF USE

### Products to be used:

DIPEL DF BIOLOGICAL INSECTICIDE DRY FLOWABLE [APVMA No. 53431]  
PLUS OTHER REGISTERED PRODUCTS

Containing: *Bacillus thuringiensis* subspecies. *kurstaki* as the only active constituent.

### Directions for Use:

Crop Type	Target Pest	Rate
Ginger	Lepidopteran larvae susceptible to <i>Bacillus thuringiensis</i> , incl. <i>Helicoverpa</i> spp., and loopers.	0.5 – 2 kg/ha

### Critical Use Comments:

- Apply a maximum four (4) applications per crop, with a seven (7) day minimum retreatment interval. Application is to be made via calibrated airblast, air shear sprayer, backpack or equivalent.
- DO NOT use if rain is forecast to occur within 8 hours of application.
- Crops must be monitored regularly for lepidopteran eggs or first star larvae. Time the commencement of spraying to coincide with egg hatch or first instar larvae activity and before damage to plants.
- Ensure uniform, thorough coverage of the upper and under surfaces of foliage. Apply as a dilute spray application to the point of run-off. DO NOT spray past the point of run-off.
- Use higher application rates for higher egg laying activity, longer residual effectiveness, or larger first instar larvae. Higher rates should be used against *Helicoverpa* (Heliiothis) species. Control of *Helicoverpa* is most effective if larvae are less than 8mm long.
- Spray late in the afternoon or early evening (before dew begins to settle) when larvae are actively feeding.
- Larval control is only achieved when the larvae ingest DiPel DF and activation begins in the alkaline gut. Feeding ceases once the larvae ingest DiPel DF and death of treated larvae may take up to 3-5 days. Under lower temperatures, when larvae are less actively feeding, control may be slower.
- Refer to the *Direction for Use* and *General Instructions* on mixing, application and compatibility on the product label.
- Use in accordance with existing insecticide resistance management strategies and in accordance with best practice.
- DiPel DF is safe to beneficial arthropods and is best used in conjunction with these beneficial species as part of an integrated pest management program.
- Refer to the product label for *Safety Directions* and *First-aid Instructions*.

### Withholding Period:

Not required when used as directed.

### Jurisdiction:

All States and Territories except VIC.

Note: Victoria is not included in this permit as their *Control-of-Use* legislation means that an APVMA permit is not required to legalise this off-label use in that state.

**Additional Conditions:**

This PERMIT provides for the use of a product in a manner other than specified on the approved label of the product. Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label.

PERSONS who wish to prepare for use and/or use the products for the purposes specified in this permit must read, or have read to them, the permit particularly the information included in Details of Permit and Conditions of Permit.

Issued by the Australian Pesticides and Veterinary Medicines Authority.