

# **Renewal Assessment Report**

***Bacillus thuringiensis*  
subsp. *aizawai* strain GC-  
91**

**- Agree 50 WG -**

**Volume 3 – B.4 Further information**

**July 2018**

**Rapporteur Member State: The Netherlands**

**Co-Rapporteur Member State: Germany**

## Version history

When	What
July 2018	Initial RAR

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## **Introduction**

*Bacillus thuringiensis* subsp. *aizawai* GC-91 (in the following abbreviated as Bta GC-91) is a trans-conjugant strain originating from a Bta and a Bt subsp. *kurstaki* strain. Bta in general occurs ubiquitous in soils on plants as well as in infested insects. Bta acts highly specific against insect species of the order Lepidoptera and is not expected to have any harmful effects on beneficials and other non-target species of other insect orders. The insecticidal activity of Bta is mainly attributed to spore bound insecticidal pro-toxins (Cry toxins) which are ingested by the target pests and activated under alkaline conditions in the midgut of the larvae.

As the manufacturing process of Bta GC-91 has not been changed since original approval, all data submitted for the original approval of the strain are considered fully applicable for the current evaluation.

Besides new information, the submitted dossier includes all data, which have been presented in the DAR (Jan 2008) and DAR addendum (Nov 2012). This information is marked grey with a clear indication where the information is originating from.

## **B.4 Further information on the plant protection product**

### **B.4.1 Packaging and compatibility of the preparation with proposed packaging materials**

#### **Packaging professional uses**

PACKAGING DECLARATION: primary packaging (1 kg formulated product)

Material:	48 gauge polyester/0.003 PE laminate
Weight:	17 g
Length:	16.5 cm
Width:	7.6 cm
Height:	33 cm
Content:	1 kg Agree 50 WG

PACKAGING DECLARATION: secondary packaging (box containing one primary packaging)

Material:	28 gauge solid unbleached sulphate (SUS)
Weight:	94 g
Length:	16.8 cm
Width:	7.6 cm
Height:	26 cm

PACKAGING DECLARATION: Agree 50 WG master shipping carton (cardboard box with 10 units of the primary packaging)

Material:	ECT (edge crush test) 48 double wall fibreboard
Weight:	650 g
Length:	38.9 cm
Width:	34.4 cm
Height:	26.8 cm

#### **Packaging non-professional uses**

With the renewal of the strain Bta GC-91 it is also applied for use of the product Agree 50 WG by non-professionals. For this particular area of use specific packaging information is provided below:

<b>Agree 50 WG 25 g packaging (can in outer cardboard box with measuring spoon)</b>	
Product code	Specification
1350000001 (can)	PET-Can 622, 40 M-Snap, transparent, weight: 14 g
1300000000 (can)	hinged lid white, 40 m-snap
33053 (spoon)	measuring spoon polystyrene, clear as glass, quantity of fill: 3 ml, total length: 94,5 mm
1100000006 (box)	folding box, 4-color, 400 g/qm chrome duplex board GD2 64x47x95 mm

<b>Agree 50 WG 3 g packaging (sac in outer cardboard box)</b>	
Product Code	Specification
1400000021 (sac)	clay-coated craft paper / PE 60/40
1100000340 (box)	Chrome duplex board 350 g/qm, 4-color + lacquer, 106x21x136 mm

## **B.4.2 Procedures for cleaning application equipment**

**Procedures for cleaning application equipment:** Rinse the application equipment thoroughly with water. Distribute the cleaning water on the treated area.

**Procedures for cleaning protective clothing:** Protective clothing shall be washed according to manufacturer's instruction. If no such instructions for washables exist, use detergent and hot water. Keep and wash protective clothing separately from other laundry.

### **B.4.2.1 Effectiveness of the cleaning procedures**

No information provided by applicant.

## **B.4.3 Re-entry periods, necessary waiting periods or other precautions to protect man, livestock and the environment**

### **B.4.3.1 Pre-harvest intervals, re-entry or withholding periods to minimise residues in crops, plants, plant products, treated areas or spaces**

Agree 50 WG is based on a micro-organism that is already commonly found in the phylloplane of plants and in soils. *Bacillus thuringiensis* is not considered a plant pathogen or to exhibit any adverse effects on treated crops or non-target plants. Due to the absence of toxicity and active growth in soils, no adverse effects on succeeding crops are to be expected and therefore, no minimum waiting periods between the last application and the sowing or planting of succeeding crops are required.

#### **B.4.3.2 Information on any specific agricultural, plant health or environmental conditions under which the preparation may or may not be used**

None of the test results obtained or observations made were such that restrictions should be imposed.

#### **B.4.4 Recommended methods and precautions concerning: handling, storage, transport or fire**

**Handling:**

**Warehouse storage:**

**User level storage:**

**Transport:**

**Fire:**

#### **B.4.5 Measures in the case of an accident**

##### Containment of spillages:

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved dust or pesticide respirator with dust prefilters. For small spills, sweep up, keeping dust to a minimum and place in an approved chemical container. Wash the spill with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

##### Decontamination of areas, vehicles and buildings:

Refer to the above statement on spillages.

##### Disposal of damaged packaging, adsorbents and other materials:

Refer to the above statement on spillages.

##### Protection of emergency workers:

Refer to the above statement on spillages.

##### First aid measures:

- Eye contact: Immediately wash eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agent except on the advice of a physician.

- Skin contact: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agent except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

- Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

- Ingestion: If victim is fully conscious, immediately give large amounts of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.

## **B.4.6            Procedures for destruction or decontamination of the plant protection product and its packaging**

The disposal of product has to be performed in accordance with all applicable federal, state and local environmental regulations. Wastes resulting from the use of Agree 50 WG, i.e. residual water dispersions can be disposed of at an approved waste disposal facility. Remainder of spray can also be diluted and sprayed over already treated areas.

The same procedure is applicable to larger quantities, which may occur very rarely only.

Totally cleaned packages can be given to the regular waste disposal.

### **B.4.6.1            Controlled incineration**

In accordance with local authority regulations, take to special waste incineration plant.

### **B.4.6.2            Others**

Not applicable.



#### **B.4.7           References relied on**

No studies submitted.