

# **Renewal Assessment Report**

**beta-cyfluthrin**

**Montur forte FS 230**

**Volume 3 – B.1 Identity**

**07 March 2017**

**Rapporteur Member State: Germany**

**Co-Rapporteur Member State: Hungary**

## Version history

When	What

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## **B.1 Identity**

### **B.1.1 Identity of the plant protection product**

#### **B.1.1.1 Applicant**

Name: Bayer CropScience AG  
Address: Alfred-Nobel-Straße 50  
D-40789 Monheim am Rhein  
Germany

Contact point:

Phone:

Fax:

E-mail:

#### **B.1.1.2 Producer of the plant protection product**

Confidential information, see Volume 4.

#### **B.1.1.3 Trade name or proposed trade name and producer's development code number of the plant protection product**

Trade name: Montur Forte FS 230  
Beta-cyfluthrin + imidacloprid FS 230 (80 + 150 g/L)  
Montur Forte

Code number: CYB+IMD FS 80+150 G (internal name)  
CYB+IMD FS 230 (80+150) G (internal name)  
06519113 (material No.)  
0033090-001 (internal code)  
0266429 (AB-number = development number)  
102000010926 (specification No.)

#### **B.1.1.4 Detailed quantitative and qualitative information on the composition of the plant protection product**

##### **B.1.1.4.1 Composition of the plant protection product**

Content of active substances:	Beta-cyfluthrin, techn.	82.9 g/L
	Beta-cyfluthrin, pure	80.0 g/L
	Imidacloprid, techn.	154.6 g/L
	Imidacloprid, pure	150.0 g/L

For further information on the composition see Volume 4.

#### **B.1.1.4.2 Information on the active substances**

Iso common name:	Beta-cyfluthrin
CAS:	68359-37-5 (unstated stereochemistry)
EC (EEC)	269-855-7
CIPAC	482

Iso common name:	Imidacloprid
CAS:	138261-41-3
EC (EEC)	428-040-8
CIPAC	582

#### **B.1.1.4.3 Information on safeners, synergists and co-formulants**

Confidential information, see Volume 4.

#### **B.1.1.5 Type and code of the plant protection product**

Flowable concentrate for seed treatment (FS)

#### **B.1.1.6 Function**

Insecticide

#### **B.1.1.7 Field of use envisaged**

The product Montur Forte FS 230 is used as an insecticide for seed treatment in beet. The active substances beta-cyfluthrin and imidacloprid contained in the product act principally as protect-ant insecticides. The beet seedlings are protected against soil pests during the sensitive growth stages and against foliar pests until the first insecticide foliar spray is recommended.

#### **B.1.1.8 Effects on harmful organisms**

Beta-cyfluthrin is a widely-known non-systemic insecticide which works in the close proximity of the seed in the soil when introduced onto the seed. It is known as a sodium channel modulator on the nervous system and is a non-systemic insecticide that is absorbed through the skin and stomach and acts with rapid knockdown and long residual activity. It has a low vapour pressure and water solubility, but is adsorbed locally to the soil around the treated seed and provides protection in the close proximity of the seed against soil insects such as wireworms.

The other active substance in the product, imidacloprid, is systemic and highly effective in the control of many pests. It specifically controls a number of coleopteran pests in sugar beet such as elaterid larvae (wireworms), weevils like the beet root weevil *Bothynoderes punctiventris*, beet flea beetles of the genus *Chaetocnema* and the pygmy mangold beetle *Atomaria linearis*. Other important pests targeted in sugar beet include aphid pests such as *Aphis fabae* and *Myzus persicae*, thrips, dipterans as the beet leaf miners of the genus *Pegomyia*, and myriapodes like e.g. *Blaniulus guttulatus* or *Scutigerella immaculata*. Neonicotinoid insecticides such as imidacloprid are classified by IRAC in mode of action class 4A, nicotinic acetylcholine receptor (nAChR) agonists. Depending on the dose imidacloprid may be used to control soil pests such as wireworms (*Agriotes* spp.), beetles living on the ground and flying pests such as aphids, flies and beetles in many crops. Transported to the upper regions of plants, imidacloprid can protect the plant against leaf pests as well.

It can also protect against viral infections transferred by insect pests like aphids.

Products containing imidacloprid and beta-cyfluthrin are used in agriculture as seed treatment in a wide range of crops, targeting a wide range of pests. In beet this would be typically pests such as *Chaetocnema concinna* and *C. tibialis*, *Atomaria linearis*, *Pegomyia betae/hyoscyami*, *Aphis fabae*, and non plant specific soil pests like wireworms.

### **B.1.2           References relied on**

No studies included.