

## Evaluation Report for Category B, Subcategory 3.3, 3.5, 3.12 Application

**Application Number:** 2016-5745  
**Application:** B.3.3: Change Application Number or Frequency  
B.3.5: Change Rotation al/Crops/Plantback Interval  
B.3.12: Change New Site or Host  
**Product:** Evito 480 SC Fungicide  
**Registration Number:** 20408  
**Active ingredients (a.i.):** Fluoxastrobin  
**PMRA Document Number:** 2967453

### Purpose of Application

The purpose of this application was to amend the registration of Evito 480SC (PMRA Reg. No. 30408) by adding uses on oats, triticale, rye, Crop Subgroup 6C and Crop Subgroup 20A.

### Chemistry Assessment

Chemistry assessment was not required for this application.

### Health Assessments

The use pattern of Evito 480 SC Fungicide represents an expansion of use for fluoxastrobin with the addition of oats, triticale, rye, Crop Subgroup 6C (including dry peas, dry beans, lentils and chickpeas) and Crop Subgroup 20A (including canola). Updated quantitative risk assessments for fluoxastrobin were conducted for mixer/loader/applicators as well as for workers entering treated sites of these crops. No health risks of concern are expected provided workers follow directions and wear personal protective equipment as stated on the label.

Residue data from field trials conducted in Canada and the United States were submitted to support the domestic use of Evito 480SC Fungicide on CSG 6C and CSG 20A. Fluoxastrobin was applied to dry beans, dry peas and canola at approved rates, and harvested according to label directions. Previously reviewed residue data from field trials conducted in/on wheat and barley were reassessed in the framework of this petition. In addition, a processing study in treated canola was reviewed to determine the potential for concentration of residues of fluoxastrobin into processed commodities.

### Maximum Residue Limits

The recommendation for maximum residue limits (MRLs) for fluoxastrobin was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). MRLs to cover residues of fluoxastrobin (E and Z isomers) in/on crops and processed commodities are proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

**Table 1 Summary of Field Trial and Processing Data Used to Support Maximum Residue Limits (MRLs)**

| Commodity | Application Method/<br>Total Application Rate<br>(g ai/ha) | PHI<br>(days) | Residues (ppm) |       | Experimental Processing Factor  | Currently Established MRL (ppm)  | Recommended MRL (ppm) |
|-----------|--|---------------|----------------|-------|---|--|-----------------------|
|           |  |               | LAFT           | HAFT  |   |  |                       |
| Wheat     | Foliar / 268-292   | 21-69         | <0.01          | 0.11  | Bran:<br>1.3X<br>Flour:<br>0.2X<br>Middlings:<br><0.3X<br>Germ:<br>0.6X | CG 15<br>(except field, pop and sweet corn):<br>0.1 ppm<br><br>Wheat Bran:<br>0.15 ppm | -                     |
| Barley    | Foliar / 268-276   | 37-58         | <0.01          | 0.091 | Bran, flour:<br>0.3X  |  |                       |
| Dry Beans | Foliar / 331-346   | 14-15         | <0.01          | 0.085 | N/A   | Not Established  | CSG 6C:<br>0.2        |
| Dry Peas  | Foliar / 330-356   | 13-18         | <0.01          | 0.141 | N/A   |  |                       |
| Canola    | Foliar / 327-351   | 20-22         | 0.013          | 0.538 | Refined Oil:<br>0.044X  |  | CSG 20A:<br>0.7       |

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Based on the dietary burden and residue data, the currently established MRLs for fat, meat and meat by-products of cattle, goats, hogs, horses, poultry and sheep, eggs and milk are adequate to cover residues of fluoxastrobin (E and Z isomers) and the metabolite HEC 5725-phenoxy-hydroxypyrimidine (HEC 7154).

Following the review of all available data, MRLs as proposed in Table 1 are recommended to cover residues of fluoxastrobin (E and Z isomers). Residues in these crop commodities at the proposed MRLs and in livestock commodities at the currently established MRLs will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The application rates, annual maximum allowable rates and application methods proposed are the same as those currently registered for other crops on the Evito 480 SC Fungicide label. There are no environmental concerns with the addition of oats, triticale, rye, shelled dried peas and beans and rapeseed to the Evito 480 SC Fungicide label.

### **Value Assessment**

Rationales and efficacy data from 17 trials conducted in Canada and the USA were submitted in support of the use claims on the Evito 480SC label. Overall, Evito 480SC at the proposed rates demonstrated its effectiveness at either level of control or suppression against the target diseases on listed crops, compared to the commercial standards tested in the same efficacy trials.

The supporting evidence confirmed the value of Evito 480SC on control or suppression of fungal diseases on listed crops. The label expansion of Evito 480SC will provide Canadian growers with a new product to manage listed diseases on oats, triticale, rye, Crop Subgroup 6C and Crop Subgroup 20A.

### **Conclusion**

The PMRA has reviewed the information provided in support of the amendment. Based on the results of this review, adding new uses on oats, triticale, rye, Crop Subgroup 6C and Crop Subgroup 20A label is acceptable.

## References

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ISSN: 1911-8082

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