

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2020-0812  
**Application:** Changes to TGAI Product Chemistry; New Source  
**Product:** NewAgco Fluroxypyr Technical  
**Registration Number:** 32951  
**Active ingredient (a.i.):** Fluroxypyr (present as 1-methylheptyl ester)  
**PMRA Document Number:** 3187918

### Purpose of Application

The purpose of this application was to add a new source of fluroxypyr (present as 1-methylheptyl ester) to the registration of NewAgco Fluroxypyr Technical.

### Chemistry Assessment

Common Name: Fluroxypyr-meptyl  
IUPAC\* Chemical Name: (RS)-1-methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridyl)oxy]acetate  
CAS† Chemical Name: 1-methylheptyl 2-[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Fluroxypyr Technical has the following properties:

Property	Result
Colour and physical state	White solid powder
Nominal concentration	68.5% fluroxypyr, present as fluroxypyr-meptyl
Odour	Odourless
Density	1.2624–1.3948 g/mL at 20 °C
Vapour pressure	$4.32 \times 10^{-2}$ mPa at 30 °C
pH	7.25–7.48
Solubility in water	0.094 mg/L at 20 °C
n-Octanol/water partition coefficient	$\log K_{ow} = 5.49$ at 25 °C

The required chemistry data for NewAgco Fluroxypyr Technical have been provided, reviewed, and found to be acceptable.

### **Health, Environmental and Value Assessments**

Health, environmental and value assessments were not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to add a new source of fluroxypyr (present as 1-methylheptyl ester) to the registration of NewAgco Fluroxypyr Technical.

## References

### PMRA

#### Document Number

#### Reference

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- 3098448 2016, Amendment no. 01 to the Final Report 15027.030.057.14 Qualitative and Quantitative Profile of the test substance Fluroxypyr-meptyl 98% Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
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- 3098469 2017, Determination of Colour of Fluroxypyr-meptyl 98% TC, DACO: 2.14.1
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- 3098474 2017, Determination of Solubility of Fluroxypyr-meptyl 98% TC in Organic Solvents (Acetone and Methanol), DACO: 2.14.8
- 3098475 2017, Determination of Partition Coefficient of Fluroxypyr-meptyl 98% TC, DACO: 2.14.11
- 3098476 2017, Determination of Corrosion Characteristics of Fluroxypyr-meptyl 98% TC, DACO: 2.14.13
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3185356 2020, Declaration-Fluroxypyr-meptyl TC-Impurities of concern, DACO:  
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