

## Evaluation Report for Category B, Subcategory 1.1,1.3 Application

**Application Number:** 2017-1483  
**Application:** New TGAI, new source and specifications by same registrant.  
**Product:** NewAgco Clodinafop Herbicide Technical  
**Registration Number:** 33168  
**Active ingredients (a.i.):** Clodinafop-Propargyl  
**PMRA Document Number:** 2895098

### Purpose of Application

The purpose of this application was to register NewAgco Clodinafop Technical Herbicide, as a new source of Clodinafop-Propargyl.

### Chemistry Assessment

**Common Name:** Clodinafop-propargyl  
**IUPAC\* Chemical Name:** prop-2-yn-1-yl (2R)-2-[4-[(5-chloro-3-fluoropyridin-2-yl)oxy]phenoxy]propanoate  
**CAS† Chemical Name:** 2-propynyl (2R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

NewAgco Clodinafop Herbicide Technical has the following properties:

Property	Result
Colour and physical state	Yellowish white solid
Nominal concentration	96.83%
Odour	Mild halide, moldy odour
Density	1.346 g/mL
Vapour pressure	$2.39 \times 10^{-3}$ Pa (at 25°C)
pH	4.5
Solubility in water	4 mg/mL (25°C, pH 7)
n-Octanol/water partition coefficient	Log $K_{ow}$ = 3.9 (25°C)

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

### **Health Assessments**

The new source for clodinafop-propargyl is considered toxicologically equivalent to the currently registered source.

Exposure and food residue assessments were not required for this application.

### **Environmental and Value Assessments**

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 register NewAgco Clodinafop Herbicide Technical.

## References

### PMRA

#### Document

Number	Reference
2743876	2011, Technical Clodinafop-Propargyl Product Identity and Composition, DACO: 2.11.1,2.11.2 CBI
2743878	2016, Manufacturing Process of Clodinafop-propargyl TGAI, DACO: 2.11.3 CBI
2743879	2011, Purity Profile Study of 5 Batches of Clodinafop propargyl Technical, DACO: 2.12.1,2.13.1,2.13.2,2.13.3 CBI

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