

# Use of Pesticides in Agriculture

## ADDENDUM

APPLICATION DISTANCES REVISED FOLLOWING CHANGES  
IN THE *PESTICIDES ACT* OCCURED IN **AUGUST 2014**

The logo for sofad, consisting of the word "sofad" in a white, lowercase, sans-serif font, centered within a solid red square.

sofad

## PREAMBLE

Following a *Pesticides Act's* amendment occurred in August 2014, the Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques (responsible for the *Pesticides Act*) mandated SOFAD to adjust learning guides.

The Learning Guide significant changes concern the name and the definition of "catchment works" that is now referred to as "water withdrawal site", as well as the application distances to meet.

## LEARNING GUIDE

Please incorporate the following corrections in your Learning Guide.

### Page 4.23

In the box "A few definitions", the second paragraph should now be read:

A **"water withdrawal site"** includes facilities used for the production of spring water or mineral water, the supply of a waterworks, water withdrawal site designed for surface water or groundwater intake for water intended for human consumption or any other groundwater water withdrawal site.

### Page 4.25, Exercice 4.2, No. 3c

c) an underground water withdrawal site and supplying a summer cottage located in a forest?

## ANSWER KEY

Please replace the Appendices' tables.

Table 4.1 Pesticide Application Distances for Agricultural Purposes – Storage

TARGET FOR PROTECTION	STORAGE
Watercourses or bodies of water	30 m
Ditches	--
Water withdrawal sites supplying 21 or more persons (Category 1 or 2) or bottled water	100 m
Water withdrawal sites supplying no more than 20 persons (Category 3)	30 m
Other underground water withdrawal sites	30 m
Protected immovable NB: A protected immovable is not targeted when work is being carried out by a resident owner or producer.	--

**About the targets for protection:**

**Category 1 water withdrawal sites<sup>1</sup>:** Water withdrawals carried out for a municipal waterworks system supplying over 500 persons and at least one residence.

**Category 2 water withdrawal sites:** water withdrawals carried out to supply a municipal waterworks system supplying between 21 and 500 persons and at least one residence; any other waterworks system supplying 21 or more persons and at least one residence; a system, independent of a waterworks system, supplying at least 21 or more persons and one or more of the following institutions within the meaning of the *Regulation respecting the quality of drinking water*: health or social services, education or detention facilities

**Bottled water withdrawal sites:** Water withdrawals carried out to produce spring water or mineral water according to the *Regulation respecting bottled water* (chapter P-29, r2).

**Category 3 water withdrawal sites:** water withdrawals carried out to supply a system independent of a waterworks system, supplying only one or more food processing establishments; a system independent of a waterworks system supplying only one or more enterprises, one or more tourist establishments or one or more seasonal tourist establishments within the meaning of the *Regulation respecting the quality of drinking water*; any other system supplying no more than 20 persons.

**Other underground water withdrawal sites**

All other sites of underground water withdrawal not intended for human consumption, food processing or bottled water purposes.

Table 4.2 Pesticide Application Distances for Agricultural Purposes – Preparation

TARGET FOR PROTECTION	PREPARATION
Watercourses or bodies of water	30 m
Ditches	--
Water withdrawal sites supplying 21 or more persons (Category 1 or 2) or bottled water	100 m
Water withdrawal sites supplying no more than 20 persons (Category 3)	30 m
Other underground water withdrawal sites	30 m
Protected immovable	--
NB: A protected immovable is not targeted when work is being carried out by a resident owner.	

1 Categories 1, 2 and 3, as described at article 51 of the "Water Withdrawal and Protection Regulation". (*Règlement sur le prélèvement des eaux et leur protection*, version anglaise) <http://www2.publicationsduquebec.gouv.qc.ca/dynamicSearch/telecharge.php?type=1&file=2703.PDF>

Table 4.3 Pesticide Application Distances for Agricultural Purposes – Ground Application

TARGET FOR PROTECTION	APPLICATION
Watercourses or bodies of water	Watercourses: <ul style="list-style-type: none"> <li>• total flow area <math>\leq 2 \text{ m}^2</math>: 1 m</li> <li>• total flow area <math>&gt; 2 \text{ m}^2</math>: 3 m</li> </ul> Bodies of water: 3 m Applies to any user of Class 1, Class 2, Class 3, Class 4 and Class 5 pesticides
Ditches	Ditches : <ul style="list-style-type: none"> <li>• total flow area <math>\leq 2 \text{ m}^2</math>: 1 m</li> <li>• total flow area <math>&gt; 2 \text{ m}^2</math>: 3 m</li> </ul> Applies to any user of Class 1, Class 2, Class 3, Class 4 and Class 5 pesticides
Water withdrawal sites supplying 21 or more persons (Category 1 or 2) Or bottled water	100 m
Water withdrawal sites supplying no more than 20 persons (Category 3)	30 m
Other underground water withdrawal sites	3 m
Protected immovable NB: A protected immovable is not targeted when work is being carried out by a resident owner.	Air-blast or pneumatic spray equipment (orchards and Christmas trees): According to the direction of the spray: <ul style="list-style-type: none"> <li>• facing away from the immovable: 20 m</li> <li>• facing the immovable: 30 m</li> </ul> Except for sprayers equipped with a horizontal ramp or tunnel sprayer. In force April 2008

Table 4.4 Pesticide Application Distances for Agricultural Purposes – Application by Aircraft<sup>2</sup>

TARGET FOR PROTECTION	APPLICATION
Watercourses or bodies of water	<p>Watercourses (width &lt; 4 m)</p> <ul style="list-style-type: none"> <li>• total flow area ≤ 2 m<sup>2</sup>: 1 m</li> <li>• total flow area &gt; 2 m<sup>2</sup>: 3 m</li> </ul> <p>Applies to any user of Class 1, Class 2, Class 3, Class 4 and Class 5 pesticides</p> <p>Watercourses (width &gt; 4 m) or bodies of water, if the height of the application apparatus from the ground:</p> <ul style="list-style-type: none"> <li>• &lt; 5 m: 30 m</li> <li>• ≥ 5 m: 60 m</li> </ul> <p>Special case of <i>B.t.k.</i>:</p> <ul style="list-style-type: none"> <li>• Watercourses: <ul style="list-style-type: none"> <li>– total flow area ≤ 2 m<sup>2</sup>: 1 m</li> <li>– total flow area &gt; 2 m<sup>2</sup>: 3 m</li> </ul> </li> <li>• Bodies of water: 3 m</li> </ul>
Ditches	<p>Ditches :</p> <ul style="list-style-type: none"> <li>• total flow area ≤ 2 m<sup>2</sup>: 1 m</li> <li>• total flow area &gt; 2 m<sup>2</sup>: 3 m</li> </ul> <p>Applies to any user of Class 1, Class 2, Class 3, Class 4 and Class 5 pesticides</p>
Water withdrawal sites Bottled water supplying 21 or more persons (Category 1 or 2) Or bottled water	100 m
Water withdrawal sites supplying no more than 20 persons (Category 3)	<p>30 m</p> <p>Except if the facility supplies a building serving as a dwelling that is located in a forest area and inhabited on an occasional basis (e.g. a summer cottage).</p>
Other underground water withdrawal sites	<p>3 m</p> <p>Except if the facility supplies a building serving as a dwelling that is located in a forest area and inhabited on an occasional basis (e.g. a summer cottage).</p>
<p>Protected immovables</p> <p>NB: A protected immovable is not targeted when work is being carried out by a resident owner.</p>	<p>Pesticides other than <i>B.t.k.</i>, if the height of the application apparatus from the ground:</p> <ul style="list-style-type: none"> <li>• &lt; 5 m: 30 m</li> <li>• ≥ 5 m: 60 m</li> </ul> <p>Application of <i>B.t.k.</i>: width of one treatment flight lane of the aircraft</p>

<sup>2</sup> Intermittent watercourses are excluded.



This information is updated regularly. For current data, visit the website of the Ministère du Développement durable, de l'Environnement, de la Faune et des Parcs. (See *Webography*: MDDEFP/code)