

Herbicide resistance weeds in Quebec: 2011-2017

Administrative regions	Species	Herbicide group	Active ingredient
<b>(01) Bas-Saint-laurent</b>			
	Eastern black nightshade	2	imazethapyr
	Bird rape (syn. Field mustard)	9	glyphosate
	Common ragweed	2	cloransulam-methyl
<b>(02) Saguenay-Lac-Saint-Jean</b>			
	Wild oat (syn. Common wild oats)	1	fenoxaprop-p-ethyl
<b>(03) Capitale-Nationale</b>			
	Redroot pigweed (syn. Redroot amaranth)	5	atrazine
	Bird rape (syn. Field mustard)	5	atrazine
<b>(04) Mauricie</b>			
	Lamb's-quarters <sup>a</sup>	2	chlorimuron-ethyl
		9	glyphosate <sup>b</sup>
	Common ragweed	2	imazethapyr
<b>(05) Estrie</b>			
	Redroot pigweed (syn. Redroot amaranth)	5	atrazine
	Lamb's-quarters	5	atrazine
	Bird rape (syn. Field mustard)	5	atrazine
	Common ragweed	2	imazethapyr
		7	linuron
	Common groundsel	7	linuron
<b>(08) Abitibi-Témiscamingue</b>			
	Wild oat (syn. Common wild oats)	1	fenoxaprop-p-ethyl
<b>(12) Chaudière-Appalaches</b>			
	Redroot pigweed (syn. Redroot amaranth)	5	atrazine
	Lamb's-quarters	5	atrazine
	Eastern black nightshade	2	imazethapyr
	Bird rape (syn. Field mustard)	5	atrazine
	Common chickweed	2	thifensulfuron-methyl
<b>(13) Laval</b>			
	Redroot pigweed (syn. Redroot amaranth)	7	linuron
<b>(14) Lanaudière</b>			
	Redroot pigweed (syn. Redroot amaranth)	7	linuron
		2	imazethapyr
	Canola <sup>c</sup>	9	glyphosate
		10	glufosinate-ammonium
	Common ragweed	2	chlorimuron-ethyl cloransulam-methyl imazethapyr
<b>(15) Laurentides</b>			
	Lamb's-quarters	2	imazethapyr
	Eastern black nightshade	2	imazethapyr
	Common ragweed	2	cloransulam-methyl imazethapyr
<b>(16) Montérégie</b>			
	Velvetleaf	2	cloransulam-methyl imazethapyr
		2	cloransulam-methyl imazethapyr
	Redroot pigweed (syn. Redroot amaranth)		thifensulfuron-méthyle
		7	linuron
	Green pigweed (syn. Powell's amaranth)	2	imazethapyr
		5	atrazine
	Waterhemp <sup>d</sup>	2	information not available
		5	atrazine
		9	glyphosate
	Canola	9	glyphosate
	Lamb's-quarters	2	imazethapyr thifensulfuron-methyl
		5	atrazine
	Eastern black nightshade	2	imazethapyr
	Common ragweed	2	chlorimuron-ethyl cloransulam-methyl imazethapyr
		7	linuron
	Giant foxtail	2	imazethapyr
	Canada fleabane	9	glyphosate <sup>b</sup>
<b>(17) Centre-du-Québec</b>			
	Canola	9	glyphosate
	Lamb's-quarters	2	imazethapyr
	Eastern black nightshade	2	imazethapyr
	Bird rape (syn. Field mustard)	9	glyphosate
	Common ragweed	2	cloransulam-methyl imazethapyr
		7	linuron

Source : Flores-Mejia, S. (2018) Service de détection de la résistance des mauvaises herbes aux herbicides 2011-2017  
a. In 2017, a single population of lamb's-quarters was diagnosed with multiple resistance to herbicides of groups 2 and 9  
b. Tests to confirm resistance to glyphosate will be carried out during the 2018 season  
c. In 2017, a single population of canola was diagnosed with multiple resistance to herbicides of groups 2, 9 et 10  
d. The resistance of the waterhemp was confirmed by Dr. Peter Sikkema of the University of Guelph (Ontario).