

WSSA Group	Active ingredient	Common trade name	Strawberry susceptibility	Soil persistence	Effect of pH	Effect of soil texture	Effect of organic matter	Effect of weather	Label recropping instructions
2	Imazethapyr	Pursuit	Sensitive	High	Reduced microbial breakdown and longer carryover if pH<5.8	Weakly adsorbed to clay particles (unless in acidic soils)	Weakly adsorbed to organic matter	Breaks down slower if there's drought and in cold temperatures	Bioassay required
	Chlorimuron-ethyl	Classic	No data - assume sensitive	High	High pH (>7.5): increased availability and persistence (high carryover risk!)	Weakly adsorbed to clay particles	Moderately adsorbed to organic matter	Breaks down slower if there's drought and in cold temperatures	Bioassay required
	Halosulfuron	Permit Sandea	Moderate	High					36 months for strawberries
	Thifensulfuron methyl	Pinnacle	Sensitive	Low					No Data
	Cloransulam-methyl	Firstrate	No data - assume sensitive	Moderate					Reduced microbial degradation if pH <6.8
	Flumetsulam	Broadstrike	No data - assume sensitive	Moderate	Bioassay required				
3	Pendimethalin	Prowl	Low. Labelled in US.	High	Not significantly affected	Strongly adsorbed to clay	Strongly adsorbed to organic matter	Breaks down slower if there's drought and in	Bioassay required

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	Trifluralin	Treflan	Low. Labelled as a pre-transplant treatment.	High			Faster degradation in soils with low organic carbon	cold temperatures	Will not harm rotational crops under normal conditions.
4	Clopyralid	Lontrel	Low. Labeled.	Moderate	More available at high pH. Degradation not significantly affected.	Moderately adsorbed to clay	Moderately adsorbed to organic matter	Breaks down slower if there's drought and in cold temperatures	Short list of crops allowed the year following application.
	Picloram	Tordon	Not labeled for agricultural uses	N/A					N/A
5	Atrazine	Atrazine	Sensitive	Moderate	Availability and persistence is higher at high pH (>7.5)	Strong bond at low pH, weak at high pH	Strong bond at low pH, weak at high pH	Breaks down slower if there's drought and in cold temperatures	One year with conditions
	Metribuzin	Sencor	No data - assume sensitive	Low-Moderate					Not specified
	Simazine	Princep nine-T	Low. Labelled for use in Coastal British Columbia and Atlantic Canada with restrictions.	Moderate					If rates greater than 2 kg/ha are used, only corn may be planted the following year.

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14	Saflufenacil	Eragon	Might not be high, little data is available.	Low	More available to rotation crop at pH>6.5	Weakly adsorbed to clay particles	Weakly adsorbed to organic matter	Breaks down slower if there's drought and in cold temperatures. Breaks down faster in saturated soils	Safe for all crops the second season after application.
	Fomesafen	Reflex	Low. Labelled in British Columbia	Moderate					Bioassay required
15	Dimethenamid-P	Frontier Max	Moderate	Low	Not significantly affected	Moderately adsorbed to clay particles	Moderately adsorbed to clay particles	Breaks down slower if there's drought and in cold temperatures. Breaks down faster in saturated soils	11 months
	Pyroxasulfone	Zidua SC	Low	Low					Bioassay required
27	Mesotrione	Callisto	Sensitive	Low-Moderate	Faster degradation at higher pH	Moderately adsorbed to clay	Moderately adsorbed to organic matter. Slower degradation when bound to organic matter.	Breaks down slower if there's drought and in cold temperatures	Bioassay required
	Topramezone	Armezon	No data - assume sensitive	High					Not specified
	Bicyclopyrone	Included in Acuron.	Moderate - Optogen US label indicates no rotational interval is	High					Acuron: Bioassay (after 12 months)

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			required for strawberries						
	Isoxaflutole	Converge Flexx	No data - assume sensitive	Low					Bioassay required
29	Indaziflam	Alion	Potentially low - very little data available	High	Higher availability at higher pH	Moderately adsorbed to clay	Moderately adsorbed to organic matter	Breaks down slower if there's drought and in cold temperatures	24 months