

Summary of Key Environmental Characteristics of Common Landscape/Nursery Pre-Emergent Herbicides

A.I.	Trade Name	MOA	Koc	Classification McCall's/FAO	Signal Word	Target weeds	Where Allowed
Indaziflam	Esplanade®, Spect(i)cle® FLO, Marengo®	CI/ 21	496	Medium/ Moderate	Warning (II)	Annual grasses and broadleaf	Non-residential , non-crop
Isoxaben	Gallery®	CI/ 21	700- 1290	Low/ Slight	Caution (IV)	Broadleaf	Established turf, landscapes, containers; *not allowed with some ornamentals in CA*
Dithyopyr	Dimension™	MI/ 3	>5000	Immobile	Warning (II)	annual grasses and broadleaf	established turf, sod farms, landscapes, containers
Oryzalin	Surflan® AS	MI/ 3	N/A	N/A	Caution (IV)	annual grass and broadleaf	landscapes, containers
Pendimethalin	Pendulum®	MI/ 3	N/A		Danger (I)	annual grasses and broadleaf	established turf, landscapes
Prodiamine	Barricade®, Prodiamine 4SC Select™	MI/ 3	N/A	Immobile	Warning(II)	grass and broadleaf; sprays can damage some nursery plants	established turf, established landscapes, containers
Trifluralin	Snapshot® (Isoxaben / Trifluralin)	MI/ 3	500- 2000	Low	Danger (I)	Annual grasses and broadleaf	landscapes, containers
Flumioxazan	SureGuard®	PPOI/ 14	N/A	Low	Caution (I)	Annual grasses and broadleaf, post-emerg. ≤ 2"	dormant bermuda, established landscape, bare ground, aquatic
Oxadiazon	Ronstar®	PPOI/ 14	1294	Low/ Slight	Warning (II)	Annual grasses and broadleaf	Established non- residential turf/ landscape; residential landscape beds (by pro)
Oxyfluorfen	Goal®, GoalTender® , Galigan®	PPOI/ 14	2891- 6801	Low/Slight- Immobile	Warning (II)	Annual grasses and broadleaf; some post-emergence	dormant deciduous shade trees, nursery
Sulfentrazone	Dismiss®, Sulfentrazone SC, Spartan®	PPOI/ 14	N/A	High/ Mobile	Caution	Annual grasses and broadleaf; select post activity on sedge, some broadleaf	established turf, sod farm, roadsides, right-of-way, railyard

Last updated: 3/14/22