

# Herbicide Effectiveness in Christmas Trees

	2,4-D	Asulam (Asulox)	Clethodim (Envoy and others)	Clopyralid (Stinger)	Flazasulfuron (Mission)	Fluazifop (Fusilade DX)	Flufenacet + metribuzin (Axiom DF)	Glufosinate (Finale)	Glyphosate (Round-up and others)	Hexazinone (Velpar L)	Oryzalin (Oryzalin 4S)	Oryzalin + benefin (XL 2G)	Oryzalin (Surflan) + simazine	Oxyfluorfen	Pendimethalin (Pendulum)	Proflaminate (Barricade)	Pronamide (Kerb)	Sethoxydim (Segment)	Simazine (various products)	Triclopyr (Vastian)
Type (Soil, Foliar)	F	F	F	F	S, F	F	S	F	F	S	S	F	S	S, F	S	S	S	F	S	F
<b>BROADLEAVES</b>																				
Bindweed, field	G	P	NU	G	P	NU	P	P	F		P	P	P	P	P	P	P	NU	P	F
Clovers	G	P	NU	E	G	NU	F	F	G	G	P	P	P	G	F		P	NU	P	G
Dandelion	G	P	NU	G	E	NU	F	F	G	G	P	P	G	G	P		P	NU	P	G
Dandelion, false	G	F	NU	G	E	NU	F	F	G	G	P	P	G	G	P		P	NU	P	G
Dock, curly	F	F	NU	P	P	NU		P	G	F	P	P	F	G	F		S	NU	P	
Filaree	F	P	NU		G	NU		F	F	G		G	F	G	F		R	NU	P	G
St. Johnswort			NU			NU							G		P			NU		
Groundsel, common			NU	E	G	NU		F	E				G		P			NU		
Hawksbeard			NU		E	NU							G	G	P		P	NU		
Knotweed	G		NU	P	F	NU		F	F	G	F	G	G	F	G	G	F	NU	F	
Lambsquarters	G		NU	F	G	NU		G	E	G	G	G	G	E	G	G	F	NU	E	
Lettuce, prickly	G		NU	E	G	NU		G	G	G	P	F	F	G	P		P	NU	G	
Marestail			NU		G	NU		F	G	G			P		P			NU		
Mullein			NU			NU		F	F						F			NU		
Mustards	G		NU	F	F	NU		G	G	G	P	P	P	F	G	G	F	NU	G	
Oxeye daisy			NU	F	F	NU		P	F						F			NU		
Pigweed			NU	G	F	NU		G	E		G	G	G	E	G	G	F	NU	G	
Plantain		P	NU		G	NU		F	G		P	P	F	G			P	NU	G	

	2,4-D	Asulam (Asulox)	Clethodim (Envoy and others)	Clopyralid (Stinger)	Flazasulfuron (Mission)	Fluazifop (Fusilade DX)	Flufenacet + metribuzin (Axiom DF)	Glufosinate (Finale)	Glyphosate (Round-up and others)	Hexazinone (Velpar L)	Oryzalin (Oryzalin 4S)	Oryzalin + benefin (XL 2G)	Oryzalin (Surflan) + simazine	Oxyfluorfen	Pendimethalin (Pendulum)	Prodiamine (Barricade)	Pronamide (Kerb)	Sethoxydim (Segment)	Simazine (various products)	Triclopyr (Vastlan)
Type (Soil, Foliar)	F	F	F	F	S, F	F	S	F	F	S	S	F	S	S, F	S	S	S	F	S	F
Queen Anne's lace			N U		E	NU		F	G		P	P	F		P	P	P	NU		
Ragwort, tansy		F	N U	E	F	NU		F	G		P	P	F		P		P	NU		
Sowthistle, annual	G		NU	E	G	NU		P	G	G	P	F	G		P		P	NU	G	
Sowthistle, perennial	G	P	NU	G	G	NU		P	G	F	P	P	F		P		P	NU		
Spotted catsear	E	P	NU	G	G	NU		F	G	F			G		P			NU	G	
Thistle, bull	G	P	NU	E	F	NU		F	G		F	F		G	P		P	NU	G	
Thistle, Canada	G	P	NU	E	P	NU		P	F		P	P		F	P		P	NU	P	G
Willow herb			NU	F	E	NU		F	F				F		P			NU		
Vetch	G		NU	E	F	NU		F	G						F			NU	F	G
GRASSES																				
Barnyard-grass	P		G	NU	P	G	G	F	G	G	G	G	G	P	E	G	F	G	G	P
Bentgrass	P		F	NU	P	F	F	P	G		P	P	P		G	G	P	F		P
Bluegrass, annual	P	G	E	NU	P	E	E	G	G	G	G	G	G	G	E	G	P	E	G	P
Bromegrass	P		G	NU	P	G	G	G	G	G	G	G	G	G	F		P	G	G	P
Fescues, fine	P		F	NU	P	F	G	F	F				G		G	G	G	F		P
Fescues, tall	P	P	F	NU	P	F	G	F	F	F	F	F	G	G	G	G	G	F	P	P
Orchardgrass	P	F	G	NU	P	G	G	F	G	F	P	P	G		G		G	G	P	P
Quackgrass	P	P	F	NU	P	F	G	P	F	G	P	P	P		P		G	F	P	P
Ryegrass, annual	P	P	G	NU	G	G	G	F	G	G	G	G	G	G	G	G	G	G	G	P
Ryegrass, perennial	P	F	G	NU	G	G	G	F	G	F	P	P	G		G	G	G	G	P	P

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Type (Soil, Foliar)	F	F	F	F	S, F	F	S	F	F	S	S	F	S	S, F	S	S	S	F	S	F
Velvetgrass	P		G	NU	F	G	G	F	G		P	P	G		G		G	G	P	P
Witch grass	P		G	NU	F	G	G	F	G	F			G		E	G	G	G		P
WOODY SPECIES																				
Alder	F	R	NU			NU								P	NU	NU	P	NU	P	G
Blackberry, evergreen	G	R	NU	F	P	NU				G	P	P		P	NU	NU	P	NU	P	G
Blackberry, Himalaya	G	R	NU	F	P	NU				G	P	P		P	NU	NU	P	NU	P	G
Blackberry, trailing	G	R	NU	F	P	NU	P	P	P	P	P	P	P	P	NU	NU	P	NU	P	G
Cherry	G	R	NU			NU	P	P	G					P	NU	NU	P	NU	P	P
Cottonwood	F	R	NU		E	NU								F	NU	NU	P	NU	P	G
Maple	F	R	NU			NU								P	NU	NU	P	NU	P	F
Maple, vine	F	R	NU			NU								P	NU	NU	P	NU	P	G
Oak	F	R	NU			NU								P	NU	NU	P	NU	P	F
Poison-oak	F	R	NU	F		NU			F		P	P		P	NU	NU	P	NU	P	G
Salal		R	NU			NU								P	NU	NU	P	NU	P	
Scotch broom	P	R	NU			NU			F		P	P		P	NU	NU	P	NU	P	F
Willow		R	NU		F	NU								P	NU	NU		NU	P	F

Type (Soil, Foliar)	F	F	F	F	S, F	F	S	F	F	S	S	F	S	S, F	S	S	S	F	S	S	F	S	F												
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OTHER WEEDS																																			
Fern, bracken	P	G	NU	NU		NU	NU	NU	P	F	P	P		P	N U	NU	P	NU	F	P															
Horsetail, field	P	P	NU	NU	P	NU	NU	F	P		P	P		P	N U	NU	P	NU			P														
E = excellent (90 to 100% control);      G = good (80 to 90% control);      F = fair (70 to 80% control);      P = poor (<70% control); NU = not used for this pest; Note: Weed size or stage of growth is an important consideration with most post-emergence herbicides. In "Type" row S = soil-active against pre-emerged weeds;      F = foliar-active against emerged weeds.																																			