

Herbicides used in UK Christmas Trees		Rate/ha	Appr	Grass	An'l	Peren.	Crop	Comments
Herbicide	Typical Product		oval		B'lvd	B'lvd	Safety	
Established Residual Herbicides								
isoxaben	Flexidor	2.0 lit	L	-	***	-	Good	Safe to trees, useful on most annual broadleaved weeds
metamitron	Goltix	5.0 lit	E	*	**	-	Good	Useful for first year of planting - controls many weeds at cotyledon stage
metazachlor	Butisan S	1.5 lit	E	*	**	-	Mod	Reduced rate and use only 1 year in 3 has reduced usefulness.
napropomide	Devrinol	11.0 lit	L	*	***	-	Good	Winter use only
oxadiazon	Ronstar Liquid	4.0 lit	L	*	**	-	Mod	Contact and residual. Useful control of cleaver. Field bindweed controlled at 8 lit.ha.
pendimethalin	Stomp Aqua	2.9 lit	S	*	***	-	Good	Safe to trees, useful on most annual broadleaved weeds including cleaver
Residual or cotyledon acting herbicides being tested								
carbetamide	Crawler	3.5 kg	E	**	**	-	Good (\$)	Similar activity to Kerb when used pre emergence of grasses.
carfentrazone ethyl	Shark	333 gm	S	-	**	-	Good (\$)	Contact action on small cleaver, fathen and polygonums
difulfenican	Hurricane	250ml	E	-	**	-	Mod (\$)	Winter use inter-row spray. Can cause needle spotting. Good on annual willowherb.
flumioxazin	Sumimax	100ml	S	-	**	-	Good (\$)	Useful alternative to Butisan S
terbuthylazine + isoxaben	Skirmish	1.0 lit	E	*	***	-	Good (\$)	Potential replacement for atrazine
terbuthylazine + pendimethalin	Bullet	2.7 lit	E	*	***	-	Good (\$)	Potential replacement for atrazine (\$)
Foliar Herbicides								
amidosulfuron	Eagle	40 gm	E	-	-	-	Unknown	Inter-row post emergent cleaver control
asulam	Asulox	2.8 lit	E	-	-	***	Mod	Excellent control of Docks. Likely to be revoked December 2012
clopyralid	Dow Shield	.5-1.5 lit	L	-	*	***	Good	Excellent control of thistle. Good crop safety record
cycloxydim	Laser	2.5 lit	E	***	-	-	Good	Good control of most grasses. Very safe to crop
2,4-D + dicamba + triclopyr	Broadshot	5.0 lit	E	-	**	***	V.Poor	Controls dock, nettle, thistle, buttercup, rosebay willowherb, ground ivy, bramble & scrub
2,4-D	Depitox	2.8 lit	S	-	**	**	Variable	Inexpensive suppression of many broadleaved perennial weeds.
diquat	Reglone	4.0 lit	L	***	***	*	V.Poor	Dessicates topgrowth of all green weeds
florasulam	Boxer	150 ml	S	-	**	**	Poor	Good control of cleaver and hogweed
fluazifop p butyl	Fusilade	3.0 lit	E	***	-	-	Good	Good control of most grasses. Very safe to crop
fluroxypyr	Starane	2.0 lit	S	-	**	**	V.Poor	Good control of dock, nettle & dandelion.
fosamine ammonium	Finale	3.0 lit	L	**	***	*	V.Poor	Dessicates topgrowth of all green weeds
glyphosate	Roundup	2.0 lit	S	***	**	**	Variable	Excellent control of all grasses. Good control of most annual & perennial broadleaved weeds
MCPA	Agritox	3.3 lit	E	-	**	**	Poor	Inexpensive suppression of many broadleaved perennial weeds.
mecoprop-P	Compitox Plus	2.5 lit	E	-	**	**	V.Poor	Inexpensive suppression of many broadleaved perennial weeds.
propaquizafop	Falcon	1.5 lit	E	***	-	-	Good	Good control of most grasses. Very safe to crop
propyzamide	Kerb Flo	1 - 3.4 lit	L	***	**	**	Good	Residual control of grasses in winter. Pre emergence use prevents spring grass germination.
triclopyr	Timbrel	2.0 lit	E	-	*	***	V.Poor	Excellent scrub control, rosebay willowherb and nettles
Approval: L = Label. S = SOLA. E = Extension of Use								
Activity on target species: *** Very good. ** Useful activity. * Limited activity. - = No or minimal activity.								
Colin Palmer March 2012								