

Weed, Pest & Disease in Christmas Trees					
Timing	Species	Weed Problem.	Product	Rate/ha	Comments
Late Oct - end Feb	All	Overwintering Weeds	glyphosate (S)	1.5 - 2.5	Only Roundup Pro Biactive and Clinic Ace have SOLA approval Crop MUST be fully dormant with buds sealed. Weeds must be green. Spruce, Pine & Nords tolerant, Fraser & Noble less so. Do not add adjuvant or other products for overall applications
			Hurricane (E)	250ml/ha	Add Hurricane (dff) as a directed inter-row spray to greatly improve annual weed control - particularly annual willowherb.
Nov / Dec	All	Grasses and some broadleaved weeds	Kerb (L)	3.0 - 3.5	An alternative to glyphosate Residual herbicide needing plenty of rainfall May be sprayed overall - safe to all species
March/early April (Before bud swelling)	All	Spring germinating weeds - no annual willowherb	Kerb + Stomp (L+S)	1.25 + 3.3	Effective only on weed free soils Will prevent germination to early July
March/early April (Before bud swelling)		Spring germinating weeds + annual willowherb	Kerb + Sumimax (L+S)	1.25 + 2.5	Effective only on weed free soils Will prevent germination to late June SOLA approval
April to June		Most grasses (not fine leaved fescues)	Laser (E) OR Falcon (E) Or Fusilade Max (E)	3.0 - 3.5 1.50 2.25	Add adjuvant to Laser only May be oversprayed - avoid early flush period of crop
April to September		Docks	Starane (S) OR Boxer (S) OR Mecoprop-P (E) OR Broadshot) (E) OR Asulox (S)	2.0 2.50 2.80	As directed spray only to hand sized leaves (also controls nettle) " (also suppresses buttercup) " (also controls thistle, thistle, buttercup, ragwort) " (also ragwort nettle, thistle, RB willowherb, buttercup) May be sprayed overall (not in hot sunlight)
April to end August		Thistles	2,4-D (S) OR Dow Shield (E)	2.80 0.5 - 1.0	As directed spray when thistle at least 6" tall May be sprayed overall (not in hot sunlight)
April to September		Nettle, Bramble & Rosebay Willowherb	Timbrel / Triptic (E) Broadshot (E)	2.0 3.0 - 3.5	As directed spray only avoiding the crop, so is best applied when nettle is less than 10" tall
April to September		Buttercup	2,4-D (S)	2.80	As a directed spray only
May - June		Hogweed	Boxer (S) OR Jubilee SX (S)	150ml/ha 30g / ha	Directed spray only. Tolerated by spruce. Firs sensitive Directed spray only - avoid the crop

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Mid September	All Firs	Disease suppression	Headland Copper	5 lit/ha	To suppress spore production and prevent spore germination
September - February	Spruce " Douglas Fir	Green Spruce Aphid, Spruce Shoot aphid, Spruce Pineapple Gall, Douglas Fir Woolly Aphid	Decis (E) or Hallmark (E) or Toppel (E)	7ml / 10 lit 100ml / ha 17ml/10lit	} These products are all similar synthetic pyrethroids } Winter application prevents large populations causing damage } Thorough foliage cover essential
October - February	Spruce Firs	Spruce Conifer Spinning Mite Rust Mite	Apollo (E)	400ml/ha	The only product to control winter mite eggs May be mixed with aphicide Use in first 3 years normally sufficient to reduce/eliminate populations Use Sequal between May & July to control adults
October / November	Frazer Nordman	Balsam Woolly Aphid Silver Fir Wooly Aphid	Decis / Toppel (E/E) “	7/17ml/10lit “	A very difficult pest to control - can kill trees. Early action essential. A difficult pest to control - preventative action desirable.
End Feb / Early March	Nordman	Silver Fir Wooly Aphid	Decis / Toppel (E/E)	7/17ml/10lit	To control adults and prevent feeding
End March / early April	Frazer	Balsam Woolly Aphid	Decis / Toppel (E/E)	7/17ml/10lit	To control adults and prevent feeding
Bud Swelling	All Firs	Needlecast, rust & other fungal infections	Headland Copper (E)	5 lit/ha	To suppress spore production and prevent spore germination
May - full flush Repeat in 14 days	All firs	Needlecast, rust & other fungal infections	Amistar (S)	1.0 l/ha	Protective and curative activity where disease have been identified Ideally use alternatives such as Folicure, Systhane or Bravo
May-full flush & late	All firs	Balsam Woolly Aphid & Silver Fir Woolly Aphid	Mainman (S)	140g/ha	Only necessary where woolly aphids have been identified
May - August	Spruce Nordman	Spruce Shoot Aphid Giant Fir Aphid	Gazelle (L) OR Aphox (E)	500g / ha 280g/ha	Spot treat as necessary “
June & August	Frazer	Balsam Woolly Aphid	Gazelle (L)	500g / ha	To control later generations of aphid
Early / late August	Pine	Pine shoot moth	Decis (E)	7ml / 10 lit	Apply twice leaving 14 day interval
April to September	Noble	Phytophthora	FarmFos (-) OR Phorce (-) OR Vitaphyte (-)	400ml/10lit 200ml/10lit 250ml/10lit	Apply every 4 - 6 weeks to foliage at approximately 200l/ha “ “ “ “
Products - UK Approval Key: L = Label, S - SOLA, E = Extension of Use					
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