PRODUCT NAME &	FORMULATION	FORESTRY USE	APPLICATION	ENTERS WEED	TIMING	AMOUNT	COMMENTS
ACTIVE INGREDIENT	FORMULATION	FORESTRY USE	APPLICATION	THROUGH	TIMING	AMOUNT	COMMENTS
Transline Clopyralid 40.9%	Water soluble liquid	Post emergent control of broadleaf weeds.	Ground broadcast and spot spray	Foliage and stems	When weeds are actively growing	acre	Supplemental labeling for forestry application with endangered species restriction.
Vanquish Dicamba 56.8%	Water soluble liquid	forest site preparation.	Aerial, ground, broadcast, direct spray, cut surface.	sapwood.	Full leaf to 2 weeks before frost		Ground and basal spray OK for multiflora rose. Endangered species caution.
Veteran CST Dicamba 13.3%	Ready to use liquid.	Cut surface treatment of undesireable trees.	Injection; cut surface.	Roots and sapwood.	Fresh cut stump any time except active sap flow.	1 ml/cut with edges 1-2 inches apart.	Backflash possible.
, i	Water soluble liquid	Post emergent control of grass and broadleaf weeds and brush. Conifer release, site prep.	Aerial or ground, broadcast or directed spray; cut surface.		After full leaf expansion; woody plants late summer. Release of pine and spruce allowed at end of first growing season.	per acre. Tank mixtures.	Wetland label for products without surfactant. Surfactant required for many uses. Endangered species caution.
Pronone 10G Hexazinone 10%	Granules		Broadcast or spot apply by aerial or ground equipment.		In spring during active weed growth. At lest 2 months after tree planting.	10-40 lbs product per acre depending on soil texture	Rates vary with soil texture and soil organic matter. Endangered species caution.
	Water dispersable granules	and single stem control.	Aerial or ground; broadcast or directed spray; grid or single stem soil application; injection.	foliage	Early spring to early summer.	2/3 lb per acre.	Release trees 2 to 4 years after planting depending on soil and tree species. Tank mix with Tordon, Garlon. See label. Endangered species caution.
Velpar L Hexazinone 25%	Water disbursable liquid	and single stem control; brush control.	Aerial (helicopter only) or ground; broadcast or directed spray; grid or single stem soil application; injection.	Roots and foliage	Early spring to early summer; see label.	8qt/acre; varies with soil texture organic	Release trees 2 to 4 years after planting depending on soil and tree species. Tank mix with Tordon, Garlon 4. See label. Endangered species caution.
Arsenal AC imazapyr 53.1%	Soluble liquid	Conifer site prep and release (supplemental labeling for red pine site prep)	Helicopter, ground spray; cut surface	surface	After full leaf development; Cut surface any time except sap flow	14-2½ pt. per acre;	Do not apply with fixed wing aircraft. Endangered species caution.
Chopper Imazapyr 27.6%	Emulsifiable concentrate to be mixed with water or oil		Ground, helicopter, broadcast and directed spray; paint onto cut surface.		Foliage: after full leaf expansion; Cut surface any time except sap flow.		Do not apply with fixed wing aircraft. Endangered species caution.
Linex 4L Linuron 40.6%	Flowable to be mixed with water	Pre and early post emergent weed control in hybrid poplar plantings	Broadcast or band overtop applications		In spring before or shortly after weeds germinate	2-4 pt per acre. Use lower rates on lighter soils.	
Lorox DF Linuron 50%	Dispersable granule; mix with water	Pre and early post emergent weed control in hybrid poplar plantings	Broadcast or directed spray		In spring before or shortly after weeds germinate	acre. Use lower rates	Overtop application OK before bud break, Directed spray ofter budbreak
Escort Metsulfuron methyl 60%	Dry flowable	1	Aerial or ground broadcast	Mainly foliage; some uptake by roots.	When weeds are actively growing.	depending on weed	Agitate in spray tank. See label for tank mixes. Endangered species caution
Pendulum WDG Pendimethalin 60%	Water dispersable granule	· ·	Broadcast, overtop or directed spray	Roots	Apply to soil before annual weeds germinate.	3.3 - 6.6 lbs/acre.	Tank mix with glyphosate ok; see label.
PRODUCT NAME & ACTIVE INGREDIENT	FORMULATION	FORESTRY USE	APPLICATION	ENTERS WEED THROUGH	TIMING	AMOUNT	COMMENTS

Tordon K RESTRICTED USE Picloram 24.4%	Water soluble liquid	Conifer site prep	Aerial or ground; broadcast or directed	Foliage or stems	Full foliage development to late summer	1-2 qt per acre	Wait 8-9 months before planting conifers. Tank mix OK with Garlon 4, Accord, Oust.
Pathway Picloram 5.4% and 2,4-D amine 20.9%	Ready to use liquid	Select tree removal	frill, girdle or cut stump.	Sapwood	Any season except sap flow.	Inject 1 ml every 3 inches of circumference	Stays phytotoxic for 1 year in soil; backflash possible. Groundwater caution.
Tordon 101 Mixture RESTRICTED USE Picloram 10.2% 2,4-D amine 39.6%	Water soluble liquid	Broadleaf weed and brush control in forest planting sites; site prep; wildlife openings.	Aerial or ground broadcast spray or directed spray	Foliage or cut surface.	Foliage application after leaf expansion; cut surface any season except heavy sap flow.	4-8 qt product per acre	Stays phytotoxic for 1 year if in soil; backflash possible from cut surface applications.
Vantage Sethoxydim 13 %	Water dispersable liquid.	Postemergent grass control	Ground, broadcast or directed spray.	Foliage	Actively growing grass, before seed head appears.	2.25 - 3.75 pt per acre	Poor control may result if grass is mowed and allowed to regrow before application.  Endangered species caution.
Simazine 4L Simazine 42%	Water dispersable, liquid	Preemergent broadleaf and grass control in plantations	Broadcast, spot, band, directed or overtop spray.	Roots	Before weeds emerge or after weed removal	2-4 qt product in at least 25 gal water per acre.	"Shelterbelt" wording allows use in plantations for erosion control. Endangered species caution.
Simazine 90 DF Simazine 90%	Water dispersable dry flowable	Preemergent broadleaf and grass control in plantations	Broadcast, spot, band, directed or overtop spray.	Roots	Before weeds emerge or after weed removal	2.2-4.4 lb in at least 25 gal water per acre	"Shelterbelt" wording allows use in plantations for erosion control. Endangered species caution.
Oust XP Sulfometuron methyl 75%	Water dispersable granule	Pre and early post emergent grass and broadleaf control in tree plantations. Supplemental label for hybrid poplar.	Aerial (helicopter only) or ground, roadcast,band or directed spray	roots and foliage	In late fall before planting or in spring after trees are planted but before trees break dormancy.	1 - 8 oz per acre	Tank mix with simazine OK. Apply after rainfall closes planting slit. Endangered species caution.
Garlon 3A Triclopyr amine 44.4%	Water soluble liquid	Site prep, conifer release, Single tree removal	Broadcast or directed, ground or aerial spray (helicopter only).	Foliage or cut surface	Foliage application during active growth; cut surface any time except heavy sap flow.	1/4-3 gal product per acre	Tank mix with 2,4-D or picloram OK. <u>Specimen Label Revised</u> 12-13-02.
Garlon 4 Triclopyr ester 61.6%	Emulsifiable liquid	Brush and broadleaf control, site prep, conifer release, select tree removal	Ground or aerial spray (helicopter only), basal bark, dormant stem	_	Foliage application active growth, best results late summer.	Site prep 3-6 qt/A; Conifer release 1.3 -3 qt/A.	Site prep: 1-2 month delay for conifer planting; Conifer release late summer . Endangered species caution.
Pathfinder II Triclopyr ester 13.6%	Ready to use liquid	Brush control,single tree romoval	Hand directed spray	Basal bark & cut stumps	Any time except when snow or water covers base of tree or brush	Thoroughly wet bark and cut surface but with no runoff.	OK on seasonally dry wetlands.
Hi-Dep 2,4-D amine 49.5%	Water soluble liquid	High-volume brush control; site prep; single tree removal	Ground or aerial broadcast; injection	Foliage, bark, injection	Spray from full leaf to dormant;injection May 15 to Oct 15	1/2 - 2 gal per acre	Aerial application OK; thistle control
See 2,4-D LV4 2,4-D ester 67.2%	Emulsifiable concentrate	Site prep; conifer release; single tree removal	spray; injection	Foliage; cut surface	After conifers harden off; at bud break; or after leaf development	1.5-2 qts product/a; see label	Aquatic label. Injection for hard to kill species.
Patron 170 2,4-D ester 32.1% 2,4-DP ester 32.2%	Emulsifiable concentrate	Brush control, site prep, pine release, and select tree removal	Aerial or ground spray basal bark; frill	Foliage, stem, cut surface	After full leaf development; pine release after August 15	Site prep: 1-2 gal/a pine release: 2-4 qt/a	To release red, jack, and white pine and white spruce.