Please note: This draft weed maintenance calendar is meant as a summary of general guidelines for use by restoration or vegetation management professionals who are working to limit the impact of invasives on natural area restoration projects. For each weed, each row represents one management approach. When using herbicides, always follow the label of the product being used. Herbicide suggestions in this document should not be followed if they contradict the label on the product being used. Make sure to follow all local, state or federal regulations that apply to the particular project site. It is most effective to use an integrated vegetation management strategy. Always make sure that the benefits of the activity outweigh the impacts.

Sorted by Latin	n Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
Butterfly Bush	Buddleia davidii	Tall deciduous						New leaves e	merge		Flowering		Flower/Seed		
		Manual		Dig up (weed	d wrench mi	ight work)		•							
		Chemical								Triclopyr foli	ar spray		Basal or cut s	tump	
													Glyphosate, f	oliar or cut s	tump
Bindweed or Morning Glory	Calystegia sepium or Convolvulus arvensis	Herbaceous Perennial				Emerge			Flower				Seed		
	1.707.010	Mechanical	>2 years			Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	Cut or pull; remove fragments	area	Ich infested
		Shade	3 to 5 years			n landscape fal nfested area)	oric or cardboa	ard/woodchips -	need to mainta	ain cover so pla	ints get no light	over whole pop	oulation; watch	surrounding	area for plant
		Chemical	>2 years						(at bud stag (full flower).	be on dicamba le) or triclopyr Unwind from regetation befor	early seed) of follow up in s	e on glyphosate or 2,4-D+dicamb spring); when re re > 12 inch lon	oa (post bloom- treating, wait		
		Mechanical + Chemical							Cut plants a	ind spray/wipe	on glyphosate v	when regrowth >	> 12 inches		
Spotted Knapweed*	Centaurea biebersteinii	Herbaceous Perennial					Rosettes		Flowers			Flowering/Se	ed		
		Manual or Mechanical				Dig up; in co	mpacted soils	will need to use	fork tool or dig	gging knife; mo	st effective whe	n soil is moist			
		Chemical						2,4-D or triclopyr	2,4-D + dica	amba or triclopy	r or glyphosate				
Canada Thistle	Cirsium arvense	Herbaceous Perennial					most seeds germinate/ new shoots on existing roots (rosettes)	rosettes	bolting	flower		flower/seeds, move energy to roots	seeds/move energy to roots	some germ wintering ro	lination/over- osettes

Sorted by Latin	Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
		Manual or	>2 years				pull/mow	pull/mow every		pull/mow	pull/mow	pull/mow	pull/mow		
		Mechanical					every 3-4	3-4 weeks	every 3-4	every 3-4	every 3-4	every 3-4	every 3-4		
							weeks		weeks	weeks	weeks	weeks	weeks		
		Cultural					Cut and She						Cut and Shee		
		Chemical					Foliar spot s	pray: 2,4-D, dican	nba				ray: glyphosate	9	
		Mechanical + Chemical									cut late July	spray regrowth late August: glyphosate			
Bull Thistle	Cirsium vulgare	Herbaceous Biennial						Emerge		Flower		Flower/Seed	Seed/Emerge		
		Manual or							Cut below cr	own, mow, or c	lia up shortly				
		Mechanical							before flower		ing up chorny				
		Chemical						Foliar spot 2,4-l		Foliar glypho	sate before		Foliar spot 2,4	1-D:	
								triclopyr; glypho		flower			dicamba; trick	opvr:	
													glyphosate	13,	
													371		
Old Man's	Clematis vitalba Climbing						Emerge			Flowering			Seeds		
Beard		deciduous vine					J			J. Company					
		Manual				pull young pla	ants up/cut ma	ature stems at gro	ound; dig up ro	oots					
		Chemical	about 2 years								hosate, triclopy	r or metsulfuror	concentrate		
		Mechanical+					Apply herbic	ide to regrowth in					Cut stems in f	all	
		Chemical					spring								
		Official													
Poison-	Conium	Herbaceous		germinate			rosettes		bolting	flowering		seed set	germinate		
hemlock	maculatum	Biennial													
		Manual		pull plants b	y hand or dig	up roots whe	n soil is moist		Cut to below	crown (1-3 inc	hes)				
		Mechanical						mow to 3-4 inches (early in month)	mow to 3-4 inches						
		Chemical					spray before	flowering (2,4-D,	triclopyr,						
							dicamba, gly								
Scotch Broom	Cytisus	Large shrub;			veg growth		buds/leafing	Flowers			Seeds			veg growth	
	scoparius	deciduous			vog gromar		out	1 10 11 01 0			Coodo			l og gromm	
	Сооринис	leaves,													
		evergreen stems													
		Manual		pull small ni	ants: weed w	rench large pl	ants						pull small plar	nts, weed	
		.viariaai		ran oman pi		. crion large pi							wrench large		
		l .			l	1			1		1		wienoniarye	ριαιτιο	I

Sorted by Latir	n Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
		Mechanical					E.F	:		Cut mature s	tands with saws	or other tools	1		
		Chemical					Foliar spray (t	riclopyr, 2,4-D, g	giypnosate)						
Herb Robert	Geranium robertianum	Herbaceous Annual		rosettes		seedlings/ros	settes		flowering/see	edlings			seedlings		rosettes
		Manual			pull plants and mulch bare areas		pull plants and mulch bare areas		pull plants and mulch bare areas	pull plants and mulch bare areas	pull plants and mulch bare areas	b	pull plants and mulch bare areas		pull plants and mulch bare areas
		Chemical				glyphosate on large patches of small seedlings				glyphosate on large patches of small seedlings	8			glyphosate on large patches of small seedlings	
English Ivy	Hedera hibernica, H. helix	Evergreen woody vine		Berry/Seed			Vegetative						Flower		Berry/Seed
		Manual or Mechanical	2 years	Dig up or pu	ull up roots of	accessible pla	ants; Cut off vin	es (girdle) from	base of trees						
		Cultural					Mulch to dept								
		Chemical (winter/fall)			or mix of glyp sunny day, to		glyphosate on with 2-4 newly leaves						hand pull or s regrowth with or triclopyr	spray glyphosate	
		Chemical (triclopyr)									triclopyr & sur trimming	factant; more e	effective right a	fter string	
		Chemical (2,4-D)								2,4-D foliar		2,4-D foliar on regrowth			
Hawkweed*	Hieracium sp.	Herbaceous Perennial							Bud/Flower		Flower/Seed				
		Manual or Mechanical					Dig up includi	ng roots and run							
		Shading					cover with lan	dscape fabric or		discard flowers	s				
							IDIOCK DIOCTIC		•						1

Sorted by Lati	in Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
English Holly	llex aquifolium	Evergreen shrub or tree; often multi-stemmed				New growth				Flowering				Berries/See	ed
		Manual		Pull or dig up	small plant	ts; use weed w	rench on large	plants	<u>I</u>				Pull or dig up		use weed
		Mechanical +					Cut trunk on	close to the grou	nd as passible	and apply con	scontrated trials	nyr or alyphoc			
		Chemical						ks only the outer				ppyr or grypriosa	ate within 20-30	seconds.	
Policeman's Helmet*	Impatiens glandulifera	Herbaceous Annual						Emerge		Flower		Flower/Seed			
		Manual or								Pull or weed	whack before s	seeds mature; c	ompost on		
		Mechanical								tarps		·	·		
		Chemical							If infest is too spray young glyphosate	large too pull, plants with					
Perennial pepperweed*	Lepidium latifolium	Herbaceous Perennial						Emerge	Flower		Flower/Seed				
		Manual							Pull or dig pla	ants growing in	sand or loose	soil			
		Mechanical + Chemical							Mowing follo		tions of 2,4-D o	or glyphosate wi	th appropriate		
		Chemical						Up through bloom stage (Chlorsulfuron with surfactant)					Chlorsulfuron with surfactant- Fall treatment		
Garden	Lysimachia	Herbaceous							Emerge		Flower	Flower/Seed			
Loosestrife*	vulgaris	Perennial Manual or								Cut at bass/s	l dig up where po	acciblo	T		
		Mechanical													
		Chemical									oyr or glyphosa				
										formulation w permit,license	vith suitable sur e)	rfactant (need			
Purple Loosestrife*	Lythrum salicaria	Herbaceous Perennial							Emerges		Flower	Flower/Seed	Seed		

Sorted by Lati	in Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
		Manual or Mechanical	over 5 years								Pull small plar	nts; Cut large p	lants at base		
		Chemical	2-3 years								Foliar spray: g	lyphosate or			
			, , , , , , ,									tic formulation			
											(need permit,I				
		Biocontrol	Up to 5 years before significant decrease in plant density						Release galerucella beetles on large stands		Release galer on large stand	ucella beetles			
			density						large starius						
Reed Canary	Phalaris	Perennial grass					shoots emerc	ge from seeds or	flowers start	flower stage;	flowers/seeds	seeds: veg. g	rowth slows do	wn: stems	
Grass	arundinacea	g. a.a.					rhizomes	,	forming	peak of veg. growth		collapse (2nd	vegetative gro s in September	wth	
1		Manual	at least 5 yrs					hand pull/dig		hand pull/dig		hand pull/dig	I		
		Mariaa	at loadt o yro					over whole		over whole		over whole			
								population		population		population			
		Mechanical	5 to 10 years					mow	mow	mow	mow	p op anomon	mow		
		Mechanical +	at least 1 year					mow and cover				plastic fabric (
		Shade						spikes) or with woodchips (no	a combination	of several laye	rs of cardboard				
		Flooding	1 to 3 yrs				Inundation fo	r whole growing	season						
		Mechanical +	1 to 2 years								mow fields	spray glyphos			
		Chemical									before seeds	regrowth is 1			
											mature	weeks; mow; when it is abo			
		Chemical	1 year for small				spray				foliar spray		foliar spray reg		
			patches; 2 or				glyphosate				glyphosate		glyphosate (til		
			more years for				on young				(before		after spray for	improved	
			large infestations				shoots (less				summer		control)		
							damage to				dormancy)				
							native								
							grasses)								
Knotweed	Polygonum cuspidatum, P. bohemicum, P. sachalinense	Tall rhizomatous perennial	•					plants emerge	rapid growth		Flower		Seed		Canes die back
		Mechanical alone	at least 5 years					cut twice	cut twice	cut twice	cut twice	cut twice	cut once	cut once; th area with ca deep mulch	ardboard and

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WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	November	
		Mechanical + Shade	5 years; can plant in area after 3 years									d and cover with onitor for growth		ric; stake	
		Mechanical + Chemical									cut once	spray when a glyphosate, to imazapyr	bout 3ft: riclopyr or		
		Chemical alone	at least 2 years						Flowers			inject stems > glyphosate; for	oliar spray or ler plants and patches		
English Laurel	Prunus laurocerasus	Evergreen shrub or small tree							Flowers			Seeds			
		Manual		Pull or dig u	p small plant	s; use weed w	rench on large	plants					Pull or dig up wrench on lar		use weed
		Mechanical + Chemical					Cut trunk as	close to the gro	und as possible	and apply con	centrated tricle	opyr or glyphosa	ate within 20-30	seconds	
(Himalayan	Rubus armeniacus, R. discolor, R. lacinatus	Cane-producing shrub; roots at nodes				New growth			Flowers			Berries/Seed	S		
		Manual/Mechanic	at least 2 yrs	Cut canes/g	rub out crow	ns when soil is	moist			Dig or cut reg	growth		Grub out roots	s when soil is	moist
		Mechanical alone	> 2 years			clear mechanically			clear mechanically (if only once: when flowers form)			clear mechanically			
		Mechanical + Chemical							clear mechani	ically			foliar spray re triclopyr or gly		
		Chemical: cut stump							es and spot spra mediately after c		Check area	and repeat if ned			
		Cultural											Mulch area af blackberries a)

Sorted by Lati	in Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME	LATIN NAME	PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
													prevent errosi	ion and re-	
													invasion		
		Chemical								riclopyr when p	olants are		Foliar spray g		Clear dead
									actively grow	ing			when canes a		canes,
													growing and a		stabilize
													are formed; N		area to prevent
													sprayed areas		
													access to spir	ayeu busiles	erosion
															erosion
Tansy	Senecio	Herbaceous					Rosettes	L	Bud/Flower	Flower		Flower/Seed		Rosettes	
Ragwort*	jacobaea	biennial											Rosettes		-
		Manual or					Dig up roset	tes if soil is moist	t	pull and bag	flowering stem	IS	Dig up rosette	es if soil is	
		Mechanical											moist		
		Chemical					2,4-D on ros	ettes	2,4-D+dicam	ba or triclopyr			2,4-D or triclo	pvr on	
													rosettes	F.7	
	Solanum	Semi- woody							Flower				Seed		
Nightshade	dulcamara	vine		Diameter (1				D:					
		Manual or Mechanical		•		hen possible t	to avoid			Dig, cut,	pull or mow s	everal times / se	eason		
		Chemical		damaging oth	iei piarits			Information lim	ited Spray or v	wine on late					
		Onemical						bud to early flo							
								dicamba+2,4-D							
								,	,,,	, , ,					
													-		
Perennial	Sonchus	Herbaceous						seedlings/roset	ttes		Flower		Seed		
Sowthistle*	arvensis	Perennial												1	
		Manual or						Dig up includin	g roots and rur	nners					
		Mechanical								In .					
		Shadina				1		cover with land	looppo fabric a		discard flower	S			
		Shading						black plastic	iscape fabile of						
		Chemical						Foliar - Actively	y growing plant	s before bud					
								stage (aminopy			е				
								flowers open (2							
								and beware of	permit/license						
								coastal and we	et areas						

Sorted by Latir	n Name		MINIMUM	WINTER			SPRING			SUMMER			FALL		
WEED NAME		PLANT TYPE/ TREATMENT	TREATMENT DURATION	December	January	February	March	April	May	June	July	August	September	October	November
Common Tansy	Tanacetum vulgare	Herbaceous Perennial				Emerge				Flower		Flower/Seed			
		Manual				Dig up						dig up, cut &	bag seed head		
		Mechanical						mow/cut before bud stage		cut regrowth		cut regrowth		cut regrowth	
		Chemical			>1 yr			Spot spray mets wipe 2,4-D on a growing plants				nosate during fluve as metsulfur			
Gorse*	Ulex europaeus	Single to multi- stemmed, spiny shrub				Bud	Flower			Seeds					
		Manual or Mechanical				Digging small	plants							Digging sma	all plants
		Chemical							Foliar or cut s	stump; after bloodicamba)	l om drop (2,4-D	+triclopyr; met	sulfuron,		
* These weeds	are required for o	control in King Co	unty under State	Law RCW 17	7.10 .										