Orogon invasivo	podios ocui	ICII 100 VVOISE LISE	With ap	Jactos	Native	ro ana c	atogorizea	Jyou	109.00	5,000.700
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		A recently hybridized soil		_						
		and waterborne pathogen								
		causing root and collar rot								
		of species of alder that								
alder root rot		once introduced, spreads naturally with streams,					nursery and			
Phytophthora alni		floods, and other drainage					garden			
subsp. alni	Microorganisms	water.	No	No	Yes	Ν	trade	×		
		A bacterium that requires a								
		nematode vector to initiate								
		gumming disease in								
		plants. It produces a								
		number of toxins that are lethal to animals that								
		ingest contaminated								
annual ryegrass		fodder. If detected in OR,								
toxicity Rathayibacter		a stringent federal								
toxicus	Microorganisms	response would result.	Yes	Yes	No	Ν	seed trade	Х		
							nursery			
bacterial blight of		A destructive disease of					and			
grape Xylophilus ampelinus	Microorganisms	mostly table grape cultivars.	No	Yes	No	Ν	garden trade	×		
blackberry yellow	Triciooi garii31113	Cartivars.	110	103	140	1.4	uac	^		
vein disease (BYVD),										
blackberry yellow							nursery			
vein-associated virus		A new and serious viral					and			
(BYVaV), blackberry		threat to the blackberry	N.I.	\/	N.I.	NI	garden			
virus Y (BVY)	Microorganisms	industry. The New Jersey Strain of	No	Yes	No	N	trade	Х		
		the blueberry scorch virus					nursery			
blueberry scorch virus		causes a disease which can					and			
– New Jersey strain		spread rapidly by aphid.					garden			
(BISV-NJ)	Microorganisms	Identified in BC, Canada.	No	Yes	No	Ν	trade	Х		

Orogon invasivo	opecies eeu:	ICII 100 VVOISE LISE	777.01.04	Jacob	Native	TO GIT	<u> </u>		togic o	5,000.700
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Stat	us Pathways	Prevent	EDRR	III: C&M
		A serious fungal disease of					nursery			
		ash trees causing leaf loss					and			
chalara dieback of		and crown dieback; often					garden			
ash Chalara fraxinea	Microorganisms	fatal.	No	No	Yes	Ν	trade	Х		
		A neurological disease of								
		deer, elk and moose,								
chronic wasting		currently in 15 US states								
disease CWD prion	Microorganisms	and 2 Canadian provinces.	No	No	Yes	N	unknown	Х		
		An aggressive plant								
		disease of elm trees that is								
		spread by leafhoppers or								
		by root grafts. Occurs in					nursery			
		the eastern US, and southern Ontario, Canada.					and			
elm yellows elm	Microorganisms	There is no cure.	No	Yes	No	Ν	garden trade	,,		
yellows phytoplasma	iviicroorganisms	Golden algae produce	INO	res	INO	IN	trade	X		
		toxins harmful to fish; have								
		invaded reservoirs and								
		river systems in 16 states								
		including WA and CA. The								
golden algae		toxic cyano- bacterium								
Prymnesium parvum		produces a toxin linked to								
toxic freshwater		liver damage and even					transport			
cyanobacteria		death in humans after					of			
Cylindrospermopsis		contamination of water					contaminat			
raciborskii	Microorganisms	supplies.	Yes	Yes	Yes	Ν	ed water	Х		
		Infection causes rapid								
		wilting of twigs, branches								
		and whole trees in spring								
		and summer. Whole trees					nursery			
hazelnut bacteria		and even whole orchards					and			
canker Pseudomonas		may be destroyed in one	N. I			N.1	garden			
avellanae	Microorganisms	season.	No	Yes	Yes	Ν	trade	Х		

Oregon invasive	species coul	ICII TOO VVOISE LISE	- with u	puates		10 and Ca	itegorized	Dy Su a	tegic o	Djectives
				_	Native					
			Health	Econ	habitats			: -	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		A fungal disease that can								
		kill an oak tree quickly. It								
		has been found in 21 US								
		states, with considerable								
		damage occurring in the					nursery			
		Midwest. No species of					and			
oak wilt Ceratocystis		oak is known to be					garden			
fagacearum	Microorganisms	immune.	No	No	Yes	N	trade	Х		
		A fungus-like organism								
		(oomycete) that causes leaf								
		lesions on rhododendron								
		and stem lesions on								
		European beech in								
		gardens and woodlands in								
		the UK. Other trees and					nursery			
		shrubs are also affected,					and			
Phytophthora		including blueberry					garden			
kernoviae	Microorganisms	(Vaccinium spp.).	No	Yes	Yes	N	trade	Х		
		A virus of plums								
		transmitted by aphids.								
		Infection eventually results								
		in severely reduced fruit								
		production; fruit that is								
		produced is often					nursery			
		misshapen and blemished.					and			
plum pox plum pox		There is no cure once a					garden			
potyvirus (PPV)	Microorganisms	tree is infected.	No	Yes	No	Ν	trade	l x		

Oregon invasive	Species Cour	icii Tuu vvorst list	- with up	odates i	rom 20	To and ca	tegorizea	by stra	tegic o	bjectives
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
poplar canker Xanthomonas populi	Microorganisms	A bacterium that attacks poplars, aspens, and cottonwoods (important for timber, pulp, wood products, as well as native habitats). Causes tree mortality or predisposes host to mortality by other organisms.	No	Yes	Yes	N	nursery and garden trade	×		
potato cyst nematodes Globodera rostochiensis and G. pallida	Microorganisms	Hosts include potatoes, tomatoes and eggplants. Once established, difficult to eradicate; can survive for over 30 years as eggs. An infesta- tion discovered in fields in Saanich, BC, Canada in the 1960's has been confined to 150 acres. These nematodes infest the majority of UK potato growing land costing an excess of £50 million annually.	No	Yes	No	Contained	transport of infected plants or soil		X	
potato wart Synchytrium endobioticum	Microorganisms	An important worldwide quarantine pathogen of potato, confirmed in several East Coast states and Canadian provinces, though largely limited to small isolated areas. All US cases have been eradicated.	No	Yes	No	N	transport of infected plants or soil	x		

Oregon invasive	Species Cour	ICII TOO VVOISE LISE	with u	Juales		TO and ca	tegorized	Dy Sti a	tegic o	Djectives
			Health	Econ	Native habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
ramorum canker and blight (Sudden Oak		A fungus-like organism (oomycete) that infects over 60 plant genera and over 100 host species; causes Sudden Oak Death. There are 4 clonal lineages, one NA1, is established in Curry County. NA2, EU1, and EU2 are not. All move long					nursery and			
Death) Phytophthora ramorum	Microorganisms	distances through the nursery trade.	No	Yes	Yes	Established	garden trade			x
viral hemorrhagic septicemia virus Novirhabdovirus spp. (VHSV)	Microorganisms	A deadly infectious fish disease afflicting over 50 species of freshwater and marine fish in several parts of the northern hemisphere. The high-ly contagious virus has the potential to infect as many as 42 species of fish, including salmon species and all major sport fish in the state.	No	Yes	Yes	N	water transfer or infected bait	x		
,		A parasitic disease affecting trout and salmon.					transport			
whirling disease Myxobolus cerebralis	Microorganisms	In OR, exposed hatch- ery fish have been destroyed.	No	Yes	Yes	Eradicated	of infected fish		×	

Oregon invasive	species Cour	ncii 100 vvorst List	· with up	Juales		To and Ca	itegorizea	by sua	itegic o	bjecuves
			طعاممالا	F	Native			1.	п.	
Invader	Category	Notes	Health Impacts	Econ Impacts	habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
	- Category	A fungus that causes a			pasts		. uuuyo			56
		fatal disease that has								
		decimated bat popula-								
		tions in parts of the US and					bat to bat;			
		Canada. First introduced in					"jumps"			
white-nose syndrome		NY in 2006, it is now in 24					may be			
Pseudogymnoascus		states and at least 5					human			
destructans	Microorganisms	Canadian provinces.	No	No	Yes	N	caused	Х		
		A bacteria that harms (and								
		may kill) willow species.								
		During spring and summer,								
		leaves on some branches								
		suddenly wilt and turn								
		reddish- brown. These								
		branches die and become								
		leafless. The wood of affected branches and								
willow watermark		trunks shows a water-					nursery and			
disease Brenneria		soaked brown or red-					garden			
salicis	Microorganisms	brown stain.	No	No	Yes	Ν	trade	×		
Salicis	Iviicioorganisms	A popular plant for	140	110	163	11	trade			
		oxygenating fish tanks, it								
		successfully out- competes								
		native species in New								
		Zealand lakes where native								
		milfoils (Myriophyllum								
		spp.) and pondweeds								
		would normally live								
		(Potamo- geton spp.). It					pet store/			
African waterweed		does not yet occur in the					aquarium			
Lagarosiphon major	Aquatic Plant	wild in North America.	No	Yes	Yes	Ν	trade	Х		

Oregon invasive	species cou	ncii 100 vvorst List	· with up	Juales		To and ca	tegorized	by su a	tegic o	bjectives
					Native					
			Health	Econ	habitats			:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		In 2012, was present on								
		the dock that washed								
		ashore from the 2011								
		earthquake in Japan,								
		currently spreading along								
		CA's coast. Listed as 1 of								
		the 100 worst in the					boating			
		international Global					traffic /			
Asian kelp Undaria		Invasive Species Database					ocean			
pinnatifida	Aquatic Plant	•	No	Yes	Yes	N	currents	Х		
		Widely used ornamentally								
		in aquariums, one of two								
		algae on the international								
		100 of the "worst" invasive					pet store/			
caulerpa seaweed		species in the Global					aquarium			
Caulerpa taxifolia	Aquatic Plant	Invasive Species Database.	No	Yes	Yes	Contained	trade		Х	
		The subspecies is causing								
		serious problems for many								
		other North American								
		wetland plants, including								
		the native Phragmites								
		australis subsp. americanus								
		which is markedly less								
		vigorous. Surveys now								
		indicate that this								
		subspecies is more								
		widespread and in								
		locations that would not								
		be suitable for large-scale								
Common reed	Aquatic Plant	control programs.	No	No	Yes	Established				X
dead man's fingers		A dominant subspecies of					shipping			
Codium fragile ssp.		seaweed in the subtidal					(hull			
tomentosoides	Aquatic Plant	zone, attaches	No	Yes	Yes	N	fouling)	х		

Oregon invasive	Species Cou	ncii 100 vvorst List	· with up	odates i		To and ca	tegorizea	by stra	regic o	bjectives
					Native					
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Introduced into North								
		America from the botanical								
		garden at Harvard								
		University in 1877, it								
		colonizes areas less than								
		16 feet deep of fresh-								
		water lakes, ponds and								
		slow-moving streams and								
		rivers where it forms dense					nursery			
European water		mats of floating					and			
chestnut Trapa	A su cati a Dlacat	vegetation. A significant nuisance in NE US.	V	V	V	NI	garden			
natans	Aquatic Plant		Yes	Yes	Yes	N	trade	X		
		An attractive plant with an umbel of showy white or								
		pink flowers. Still available								
		at some nurseries, the								
		aquatic nursery and								
		garden trade has been					nursery			
		responsible for the					and			
flowering-rush		introduction of plants into					garden			
Butomus umbellatus	Aquatic Plant	new states.	No	No	Yes	Contained	trade		х	
		An aquatic, free-floating								
		fern exported from Brazil								
		to be used in aquariums								
		and garden ponds.								
		Creates a floating mat that								
		clogs waterways and					pet store/			
giant salvinia Salvinia		blocks sunlight needed by					aquarium			
molesta	Aquatic Plant	other aquatic plants.	No	No	Yes	Ν	trade	Х		

Oregon invasive	s species cou	ITICII TOO VVOISE LISE	- with up	Juaies		or and ce	itegorized	Dy Su a	tegic o	Djecuves
					Native					
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
hydrilla Hydrilla		Submersed aquatic weed, native to Asia, has invaded lakes, rivers, reservoirs, irrigation canals, and slightly brackish tidal areas across por- tions of every continent, including North America. Has been found in CA and WA, where active eradication					pet store/ aquarium			
verticillata	Aquatic Plant	programs are underway.	No	Yes	Yes	Ν	trade	x		
rock snot		A freshwater microscopic diatom that can form massive nuisance "blooms" that carpet stream beds and alter biological and physical conditions. Fishing equipment, especially felt soled wading boots, are particularly suitable vectors; as is any vector that transports water. WA, ID, and CA have had					fishing equipment			
							, water (ballast/live			
Didymosphenia geminata	Aquatic Plant	reports of nuisance populations.	No	Yes	Yes	Ν	wells)	×		
germinata	, iquatic i lant	populations.	110	100	103	1.4	*******	_ ^		

Cregon invasive	species coul	icii 100 vvorst list	with up	Jaaces		TO and car	egorizea	Dy Stra	tegic o	Djectives
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
smooth cordgrasses	Category	140163	impacts	ппрась	ппрась	Status	1 au iways	TTEVELL	LUNN	III. COIVI
Spartina alterniflora										
dense-flowered		Highly aggressive invaders								
cordgrass S.		that significantly alter both								
densiflora common		the physical structure and					ocean			
cordgrass S. anglica		biological composition of					currents.			
salt meadow		tidal marshes, mudflats					packing			
cordgrass S. patens	Aquatic Plant	and creeks.	No	Yes	Yes	Established	material			×
9		Native to freshwater								
West Indian		habitats in Central and								
Spongeplant		South America. Been								
Limnobium		intruduced to California as					Ornamenta			
laevigatum	Aquatic Plant	an pond plant.	No	No	No	Ν	1	х		
yellow floating heart Nymphoides peltata	Aquatic Plant	Introduced to the US as an ornamental water plant. Dense floating mats exclude light for native species and create stagnant areas with low oxygen levels underneath. Makes it difficult to fish, water ski, swim or paddle.	No	No	Yes	Established	nursery and garden trade, waterfowl			X
African rue Peganum harmala	Terrestrial Plant	Robust growth crowds out desirable plants, altering rangeland, pas- ture, and native habitats. Limited to 2 infestations in Crook and Harney Counties. Toxic to cattle, sheep and potentially horses.	Yes	Yes	Yes	Contained	contaminat ed hay, farm equipment , livestock		X	

Oregon invasive	e Species Coul	ncii 100 vvorst List	with up	odates	rom 20	no and ca	tegorizea	by stra	tegic o	pjectives
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
barbed goatgrass Aegilops triuncialis ovate goatgrass A. ovata	Terrestrial Plant	Both are weedy annuals that infest rangelands and pastures in the northern half of California currently. They injure grazing animals and readily cross with wheat, producing sterile seed and unmarketable wheat. In grasslands, they reduce the abundance of native perennial grasses and compete with desirable plants as well as native forbs.	No	Yes	Yes	Contained	livestock farm equipment		×	
camelthorn Alhagi pseudalhagi	Terrestrial Plant	A contaminant of alfalfa seed, grows readily in a cultivated field, and has a wide soil tolerance, though does best next to a source of water, such as an irrigation ditch. It is unpalatable to animals. Spines (which can be as long as 13/4 inch) can be harmful to humans and livestock.	Yes	Yes	No	N	contaminat ed seed, farm equipment , livestock	×		
Cape Ivy Delairea odorata	Terrestrial Plant	Native to mountain forests of South Africa and has invaded the eastern United States and California.		Yes	Yes	N		x		

Oregon invasive	s Species Coul	ncii "100 vvorst List"	- with u	odates i		no and ca	tegonzea	by stra	tegic o	bjectives
			Health	Econ	Native habitats		.	l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
European coltsfoot		Currently limited to one or a few infestations in the state. Can outcom- pete and take over corn, soybeans, winter wheat, spring grain and alfalfa. Currently contained/eradicated in					garden trade, agriculture, transportat ion of habitat			
Tussilago farfara	Terrestrial Plant	OR.	No	No	No	Contained	material		Х	
Garden yellow loosestrife Lysimachia vulgaris	Terrestrial Plant	Native to Europe and Asia. Inroduced to North America as an ornamental. Currently a class B noxious weed in Washington	No	No	Yes	N	Ornamenta 	x		
giant hogweed		Escaped from arboretums and private gardens, is now naturalized in surrounding areas especially riparian and urban sites. The plant exudes a clear watery sap which sensitizes the skin to ultraviolet radiation. Humans often develop					garden trade,			
Heracleum		severe burns to the					water/river			
mantegazzianum	Terrestrial Plant	affected areas resulting	No	No	No	Contained	transport		х	

Oregon invasive	e opecies coul	ICII TOO VVOISE LISE	with up	Juaics		oro aria ca	tegorized	Dy Sti a	tegic o	Djecuves
					Native					
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Introduced into UT in 1891								
		as a potential forage crop,								
		escaped cultiva- tion, and								
		now occupies in excess of								
		60 square miles in UT. In								
		2007, it was found in a								
		crop in Grants Pass;					nursery/ga			
		currently under eradication					rden trade			
		mea- sures. Plants are					seeds in			
		poisonous (pea family) to					travel,			
		livestock though goats are somewhat resistant. 3					bags or			
a a a tarrica Cala ara							mail			
goatsrue Galega officinalis	Terrestrial Plant	active sites in Multnomah Co. contained.	Voo	Voo	No	Contained	transport of soil		.,	
Officinalis	Terrestriai Fiant		Yes	Yes	INO	Contained	OI SOII		Х	
		Native to Europe and Asia								
Hoon, alvesum		this flowering plant in the mustard family is an								
Hoary alyssum Berteroa incana	Terrestrial Plant	aggrasive invader of fields.		Yes	Yes	N		x		
Derteroa iricaria	Terrestriai Fiarit	aggrasive invader of fields.		162	163	IN	seeds in	^		
							passenger baggage,			
							contami-			
		Currently in CA, the most					nated			
		northern infestation is in					soybeans			
Japanese dodder		Redding where it died					and bird			
Cuscuta japonica	Terrestrial Plant	naturally during the winter.	No	Yes	Yes	Ν	seed	×		

Oregon invasive	Species coul	icii 100 vvoist List	with a	Jaares		ro ana ca	tegonzea	by 3ti u	tegie o	Djeedives
			Health	Econ	Native habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		If kudzu were to become					· aamayo			
		widely established, it has								
		the potential to impact								
		agriculture and forestry,								
		right of way maintenance,								
		and rec- reational					nursery/ga			
		activities. Three					rden trade			
		populations in OR are					roads			
kudzu Pueraria lobata	Torroctrial Plant	effectively controlled and	No	No	No	Eradicated	and/or railways		v	
Rudzu Fuerana lobata	Terrestriai Fiant	not spreading. An infestation in Klamath	INO	INO	INO	Eradicated	Tallways		Х	
		County at Fort Klamath on								
		a native meadow grass								
		pasture has spread from								
		the original site into four								
		adjacent pas- tures. Yearly					transport			
		treatments since 1976 and					of tufts in			
		have contained the spread.					mud via			
Nandus		It is difficult to detect					livestock or			
matgrass Nardus stricta	Terrestrial Plant	clumps that may occur outside the treatment area.	No	No	Yes	Contained	farm equipment		V	
Stricta	Terrestriai Fiant	A weedy escaped	INO	INO	162	Contained	nursery		Х	
		ornamental known from					and			
		one site in Salem and one					garden			
		ornamental planting in					trade			
		Eugene. May impact					water/ripar			
		forage and livestock pro-					ian .			
oblong spurge		duction; may be a human				_	transport			
Euphorbia oblongata	Terrestrial Plant	skin irritant.	Yes	No	Yes	Contained	equipment		X	

Oregon invasive	Species Cour	icii 100 vvorst List	with up	Juates		TO allu ca	tegorized	Dy Su a	tegic o	Djectives
				_	Native					
		••	Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Poisonous to grazing								
		animals and a threat to								
		natural areas, with the								
		potential to invade oak								
		woodland, native prairie,								
		and dry upland slopes.								
		First detected in 2003 in								
		Linn Co.; in 2004, a second					vehicles, farm			
		larger site was in Douglas Co. Both are under					implement			
		intensive treatment.								
		Economic costs would run					s, contamina			
		in the millions. Has been					nt of seed,			
Paterson's curse		found in wildflower seed					wildflower			
Echium plantagineum	Terrestrial Plant	mixes in OR.	Yes	Yes	Yes	Contained	seed mix		Х	
		A tough competitor for								
		ground resources, as well								
		as allelopathic, impacts								
		both agricultural fields and								
		ornamental gardens.					contaminat			
		Difficult to control due to					ed root			
		an intensive system of					crops and			
		underground tubers					seeds			
purple nutsedge	Tarrestrial Dlant	resistance to most	NI.	V	NI.	NI	nursery			
Cyperus rotundus	Terrestrial Plant	herbicides.	No	Yes	No	N	trade	Х		
		Found in rangeland, pastures, waste areas and								
		cropland in the Western								
		US. The berries and foliage								
		of this plant are poisonous					garden/nur			
silverleaf nightshade		to livestock. Some					sery trade			
Solanum		gardeners encourage it as					agricultural			
elaegnifolium	Terrestrial Plant	a xeriscape ornamental.	Yes	Yes	Yes	Ν	machinery	x		

Oregon invasive	species coul	ICII TOO VVOISE LISE	- with u	Juales		To and ca	tegorized	Dy Su a	tegic o	Djecuves
				_	Native					
		N	Health	Econ	habitats	6	5.4	:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Invades and renders								
		unusable for grazing								
		rangeland and pasture.								
		Dispersal habit of breaking off at the base and								
		tumbling across the					contaminat			
		landscape dispersing					ed alfalfa			
		seeds along the way. Two					seed			
		sites currently under					tumblewee			
squarrose knapweed		management for					d livestock			
Centaurea virgata	Terrestrial Plant	eradication.	No	Yes	Yes	Contained	& wildlife		Х	
		Choke out the native					seeds			
		plants, reducing					transporte			
		biodiversity, and wildlife					d by			
		habitat and forage.					wildlife,			
starthistles: Iberian Centaurea iberica		Currently under eradication or restricted to					live- stock,			
purple, C. calcitrapa	Terrestrial Plant	a small area in Oregon.	No	Yes	Yes	Contained	agricultural machinery		V	
purpie, C. Calcitrapa	Terrestriarriant	Currently in WA, ID, MT.	110	162	162	Contained	macminery		Х	
i		NM, CA, TX. Reproduces								
		readily from even por-								
		tions of the long taproot;								
		hard waxy coating on								
		leaves protects from					contaminat			
		herbicides. Prefers desert					ed seed,			
Syrian bean-caper		soils and grows well in					agricultural			
Zvaophyllum fabago	ITerrestrial Plant	alkaline areas.	No	Yes	Yes	Ν	machinery	l x l		

Gregori irrasive	Species cear	ICII 100 VVOISt LIST	with ap	, autos i	Native	TO dila ca	tegerizea	Journal	togic o	ojectives -
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Compete with crops,				5 55 55 55				
		forage for livestock, and								
		impede the movement of								
thistles: plumeless,		livestock because they								
Carduus acanthoides		avoid entering the dense								
smooth distaff,		stands. Compete with					contaminat			
Carthamus baeticus		native plants, including					ed seed,			
woolly distaff, Carthamus lanatus		rare and endangered species. Currently under					agricultural machinery			
taurian, Onopordum		eradication or restricted to					livestock &			
tauricum	Terrestrial Plant	a small area in Oregon.	No	Yes	Yes	Contained	wildlife		х	
		Vigorous herbaceous								
		perennial vine resembling								
		kudzu in ability to form								
		dense mats which shade								
		out all vegetation it grows								
		upon. Major destructive					introduced for			
		potential to native vegetation, forest					horticultur			
		communities, and urban					al and/ or			
white bryonia Bryonia		horticulture. Berries are					medicinal			
alba	Terrestrial Plant	toxic to humans.	Yes	Yes	Yes	Ν	uses, birds	x		
		Infestation in OR								
		contained, yet still								
		threatens to overtake the								
		Illinois Valley's unique native plant communities,								
		including plants found					transport			
		nowhere else in the world.					of soil or			
yellow-tuft alyssums		It accumulates heavy					forage,			
Alyssum corsicum		metals and may be harmful					farm			
and A. murale	Terrestrial Plant	to livestock and wildlife.	Yes	No	Yes	Contained	equipment		Х	

Oregon invasive	species Cou	incii 100 vvorst List	- with u	Juales	10111 20	rio and Ca	itegorized	Dy Su a	tegic o	pjectives
					Native					
			Health	Econ	habitats	_		l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		A pathogenic parasite found in the intestines of many freshwater fishes worldwide, favors members of the carp family; has established as								
		far north as southern								
		Manitoba in Canada, as					transport			
Asian tapeworm		well as in the US and					and			
Bothriocephalus	Aquatic	Mexico. Can cause					introductio			
acheilognath	Invertebrate	damage to fisheries.	No	Yes	Yes	N	n of fish	Х		
brackish-water Asian clam Potamocorbula amurenisis	Aquatic Invertebrate	Consumes large amounts of phyto- and zooplankton; its introduction into San Francisco Bay in CA has resulted in dramatic changes to the soft sediment communities of the area.	No	Yes	Yes	N	ballast water	×		
Japanese shore crab Hemigrapsus sanguineus	Aquatic Invertebrate	Competes with native crustaceans and preys on other native species, first discovered in 1988 in NJ, now well established and exceptionally abundant along the Atlantic intertidal coastline from ME to NC.	No	Yes	Yes	N	ballast water vessel fouling	×		

Oregon invasive	species Cou	incii 100 vvorst list	with up	odates i	10m 20	To and ca	tegonzea	by sua	itegic o	bjectives
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
Leidy's comb jelly Mnemiopsis leidyi New Zealand sea	Aquatic	Native from Western Atlantic to the West Indies, has invaded Eurasian waters. Eutrophication and a massive population in the Black Sea led to tremendous changes in the ecosystem and substantial	·	·			ballast			
slug	Invertebrate	economic losses.	No	Yes	Yes	Ν	water	×		
Northern Pacific sea star Asterias amurensis	Aquatic Invertebrate	Originally found in far north Pacific waters and areas surrounding Japan, Russia, North China, and Korea, has successfully invaded the southern coasts of Australia and has the potential to has the potential to establish large populations in new areas. Once established, eradication is almost impossible.	No	Yes	Yes	N	live food trade ship ballast water ship hulls and equipment	×		
Philine auriformis	Aquatic Invertebrate	A clam predator from New Zealand, first appeared in Southern CA. Most invasions occur in bays and estuaries with fluctuating physical environments and high natural and anthropogenic stress. Currently under eradication or restricted to a small area in Oregon.	No	Yes	Yes	Contained	vessel fouling		×	

Oregon invasive	Species Cou	ncii 100 vvorst List	- with up	Juaies		TO aria ca	tegorized	Dy Su a	tegic o	ojecuves
			Health	Econ	Native habitats			1.	II:	
Invader	Catagoni	Notes				Status	Pothwaya	l: Prevent	EDRR	III: C&M
irivader	Category	Also known as tunicates,	Impacts	Impacts	Impacts	Status	Pathways	rievent	EDKK	III. CXIVI
		•								
		they feed continuously by filtering plankton from sea								
		water through their								
		siphons. Rapid growth								
		produces exten- sive								
		rubbery mats made of								
		cellulose forming a "tunic"								
		that can smother other					fouling on			
Sea squirts/Tunicates		forms of marine life.					vessels,			
Didemnum vexillum,		Didemnum sp. is under					aquacultur			
Ciona savignyi, Styela	Aquatic	eradication and restricted					e and			
clava	Invertebrate	to a small area in Oregon.	No	Yes	Yes	Contained	equipment		х	
Clava	IIIVCICOIAC	A predatory marine snail	140	103	103	Contained	счатритент			
		which may impact both								
		natural and cul- tivated								
		populations of oysters,								
		mussels and other								
		molluscs. Where								
		introduced, has caused								
		significant changes to the								
		ecosystem. Long distance								
		dispersal is facilitated by								
		ship ballast water, in which								
		the larvae of the snail is								
veined rapa whelk	Aquatic	found in its plankton					ballast			
Rapana venosa	Invertebrate	phase.	No	Yes	Yes	Ν	water	x		
		•					pet			
virile crayfish		Alter basic wetland					store/aqua			
Orconectes virilis		properties, such as					rium trade			
marbled crayfish or		reducing vegetation and					anglers			
"marmorkrebs"	Aquatic	bank integrity and					aquacultur			
Procambarus sp.	Invertebrate	increasing turbidity.	No	Yes	Yes	Contained	e ·		Х	

Oregon invasive	Species Cou	incii "100 vvorst List"	· with u	odates		io and ca	tegorizea	by stra	tegic o	pjectives
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
waterflea, fishhook Cercopagis pengoi waterflea, spiny Bythotrephes	Aquatic	Both waterfleas (a type of zooplankton) consume smaller organisms and reproduce quickly, potentially altering food resources for juvenile fish. Because of their spiny shape both are troublesome for fish to feed on leaving them with few predators and they are a nuisance to fisher- men,					bait, recreationa I boating, fouling on recreationa			
cederstroemi	Invertebrate	fouling their equipment.	No	Yes	Yes	Ν	equipment	x		
zebra mussel Dreissena polymorpha quagga mussel D. rostriformis bugensis	Aquatic Invertebrate	Aggressive freshwater invaders. Populations can grow rapidly and the total biomass of a population can exceed all other native invertebrates.	No	Yes	Yes	Contained	Boating (hull fouling, standing water)		×	
ambrosia beetles (exotic) Platypus mutates, P. guercivorus, Xyleborus gla- bratus, Xylosandrus crassiusculus*, etc.	Terrestrial Invertebrate	Adults and larvae beetles excavate tunnels in dead trees in which they cultivate fungal gardens, their sole source of nutrition. One localized infestation of Xylosandrus crassiusculus confirmed in OR; after eradica- tion efforts in 2005 and 2006, no further detection.	No	Yes	Yes	Eradicated	transport of wood products		x	

Cregori irivasive	Species Cou	IIICII 100 VVOISE LISE	with a	Juates		TO and ca	tegorizea	by su a	tegic o	ojecuves
			Health	Econ	Native habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Both originate from		-						
		Eastern Asia where they								
		seriously damage forest								
		and agricultural plants; and					wood			
		pose a potential economic					products			
Asian longhorned		and ecological threat to					nursery			
beetles Anoplophora		urban and natural					stock			
glabripennis, A.	Terrestrial	environments where they	N.I.	\/	\/	N.I.	bonsai			
chinensis	Invertebrate	are introduced.	No	Yes	Yes	N	trade	Х		
		An invasive pest first								
		noticed in GA in 2009 and								
		spreading rapidly into								
		nearby states; established as a severe economic pest								
bean plataspid		of soybean. When crushed,					cargo and			
(kudzu bug)	Terrestrial	can stain surfaces in the					airline			
Megacopta cribraria	Invertebrate	home and may irritate skin.	Yes	Yes	No	Ν	travel	×		
Tregacopta chorana	THE CHESTALE	Both prefer corn and share	100	103	140	14	transportat			
		a number of common					ion of			
corn borers, Asian		hosts including cot- ton,					infested			
Ostrinia furnacalis	Terrestrial	tomato, sorghum, peppers					plants or			
European O. nubilalis	Invertebrate	and some beans.	No	No	No	Contained	products		Х	
		A highly polyphagous					ignorant			
		species, can attack many					posses-			
		plants that are of eco-					sion and			
		nomic importance to OR.					transport			
cotton bollworm	Terrestrial	Worldwide, a significant					of infested			
Helicoverpa armigera	Invertebrate	pest of cotton.	No	Yes	No	Ν	materials	X		

Oregon invasive	opecies coe	incii 100 vvorst List	with up	Juates	Native	TO and ca	tegorizea	by su a	tegic o	
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Colonizes and kills healthy								
		ash trees. Originally found								
		in MI and nearby Ontario,								
		Canada; now in 10 states					transport			
		and other parts of Canada. Has impacted landscapes,					of wood products,			
emerald ash borer	Terrestrial	nursery trade, natural					espe- cially			
Agrilus planipennis	Invertebrate	habitats.	No	Yes	Yes	N	firewood	×		
tgriids pidriipeririis	IIIVCITCOIGC	Defoliators of mainly	140	103	103	14	mewood			
		deciduous trees, tree								
		impacts associated with								
		the physiological stress								
		caused by defoliation.								
		Annual losses can reach								
European, Asian and		millions of dollars due to								
Pink Gypsy moths		lost revenues from timber								
_ymantria dispar, L.		harvesting, cost of hazard					ignorant			
dispar asiatica, L.		tree removal and loss of					posses-			
nathura		amenity values. Currently					sion and			
Black arches/ Nun		under eradication or					transport			
noth	Terrestrial	restricted to a small area in	N.I.	\ /		C	of infested			
monacha	Invertebrate	OR.	No	Yes	Yes	Contained	materials		Х	
		A serious pest of turf,								
		horticulture, and field								
		crops in Eastern North America. Was found at one								
		site in BC and is slowly								
		spreading. Grubs feed on					transport			
European chafer	Terrestrial	all types of grass; may					of infested			
Rhizotrogus majalis	Invertebrate	move into other crops.	No	Yes	No	Ν	turf or soil	x		

Oregon invasive	Species Cou	iricii 100 vvorst List	- with u	Juaics	110111 20	io and ca	tegorized	Dy Sua	tegic o	ojecuves -
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
Golden Spotted Oak Borer (GSOB) Agrilus auroguttatus	Terrestrial Invertebrate	Invasive pest native to southeastern Arizona and recently introduced to California. GSOB contributes to oak mortality as the larva feed on the tissue of the tree beneath the bark.	No	Yes	Yes	N	,	x		
- ig was aar a gassassas							ignorant			
							posses- sion and			
imported fire ants red		An aggressive generalist					transport			
Solenopsis invicta*	Terrestrial	forager ant that occurs in					of infested			
black S. richteri	Invertebrate	high densities	No	No	No	Contained	materials		?	
Japanese beetle	Terrestrial	A highly destructive plant pest; the most widespread and destructive insect pest of turf, landscapes, and nursery crops in the					ignorant posses- sion and transport of infested			
Popillia japonica	Invertebrate	Eastern	No	No	No	Contained	materials		Х	
Japanese wax scale Ceroplastes japonicus	Terrestrial Invertebrate	A serious pest of citrus and more than 150 other plants hosts through- out its range; causes direct plant injury by feeding on plants and depleting nutrients necessary for growth. May ultimately impact yield and overall plant health.	No	Yes	No	N	ignorant posses- sion, tourism	x		

Oregon invasive	Species Cou	incii 100 vvorst List	- with up	Juaies	Native	TO and ca	tegorized	by su a	tegic o	Djectives
			Health	Econ	habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Feeds on grain and cereal								
		products; maintains								
		presence in food stor- age								
		in very low numbers; able								
		to survive long periods in								
		an inactive state. Impacts								
		are due to loss of stored								
		grain and the effects of								
		fumigation agents on the					ignorant			
chapra beetle		environment. Previously					posses-			
Trogoderma	Terrestrial	detected in Or- egon,					sion,			
granarium	Invertebrate	eradicated.	No	Yes	No	Eradicated	tourism		Х	
		Attacks more than 120								
		plant genera in over 50								
		families; including many								
		OR crops. Feeding can								
		damage or kill seedlings								
		and affect the appearance								
		of ornamental plants.								
ight brown apple		There was a "regulatory					nursery			
noth Epiphyas	Terrestrial	intercep- tion" at a nursery	NI-	V	NI-		trade from			
postvittana	Invertebrate	in 2010 in Polk Co.	No	Yes	No	Eradicated	CA		Х	
		A major insect pest of								
		beans in the Mid-Atlantic								
		region, adults and larvae eat the undersides of bean					ignorant			
							posses-			
		leaves causing lacing of					sion and			
Mexican bean beetle	 Terrestrial	the foliage. High levels of defoliation can significantly					transport of infested			
Epilachna varivestis	Invertebrate	reduce bean yields.	No	Yes	No	Ν	materials	×		
-pilacrina varivestis	Invertebrate	reduce bear yields.	INO	162	INO	IN	materiais	X		1

Oregon invasive	species Cou	incii 100 vvorst List	with up	Juales		To and Co	ategorized	Dy Su a	itegic o	bjectives
				_	Native					
Invader	Catagoni	Notes	Health	Econ	habitats		Pathways	l: Prevent	II: EDRR	III: C&M
irivader	Category	Grubs, active at night, feed	Impacts	Impacts	Impacts	Status	rauiways	Frevent	EDKK	III. CXIVI
		on the roots of turfgrasses					transport			
Oriental beetle	Terrestrial	and adults feed on roses,					of nursery			
Anomala orientalis	Invertebrate	phlox, and petunias.	No	Yes	No	Ν	stock	×		
7 11 10 11 10 10 11 10 11 10 11 10 11		Native to the regions east		. 00			0.00.1			
		of the Rocky Mountains,								
		both adult and larval					transport			
plum curculio		stages eat pome and stone					of infested			
Conotrachelus	Terrestrial	fruits, destroying a crop if					plant			
nenuphar	Invertebrate	left uncon- trolled.	No	Yes	No	N	material	Х		
		A severe pest and								
		defoliator of conifer trees								
		stands. Impacts include								
		direct damage to								
		plantations and forests resulting in wood losses,								
		damage to natural forests								
Siberian moths		over large areas and social					transport			
Dendrolimus pini, D.	Terrestrial	damage to people living in					of nursery			
sibiricus, D. superans	Invertebrate	damaged areas	No	Yes	Yes	Ν	stock	×		
,		Feeds on more than 200								
		different plant species,								
		many of which are either								
		low growing weeds or								
		commonly cultivated crops								
		The presence of an								
		established population					E			
		would adversely affect trading relation- ships with					European cut flowers			
		other national and					and			
		international partners and					vegetables			
silver Y moth	Terrestrial	cause direct damage to					in ship's			
Autographa gamma	Invertebrate	many commodities.	No	Yes	No	Ν	stores	×		

Oregon invasiv	e opecies cou	andi 100 vvoist List	- with u	Duates		TO and ca	tegorized	Dy Su a	tegic o	Djectives
			Health	Econ	Native habitats			l:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Native to Europe and Asia.					Transporta			
Spotted Lanternfly	Terrestrial	First seen in United States					tion of			
Lycorma delicatula	Invertebrate	in Pennslyvania in 2014.	No	Yes	No	N	goods	Х		
		Newly established populations may go undetected for many years due to cryptic nature, concealed activity, slow development of damage					transport			
spruce bark beetle	Terrestrial	symptoms, or					of wood			
lps typographus	Invertebrate	misdiagnosis.	No	Yes	Yes	Ν	products	Х		
spruce longhorned beetles: brown Tetropium fuscum, European T. castaneum	Terrestrial Invertebrate	Both species will attack Douglas-fir and Sitka spruce. Tetropium fuscum was introduced to Nova Scotia, Canada and ravaged red spruce stands. Eradication efforts have been ineffective in those areas.	No	Yes	Yes	Contained	transport of wood products		X	
Swede midge Contarinia nasturtii	Terrestrial Invertebrate	A common insect pest in Europe, first reported in NY in 2004. Causes severe damage to brassicas: broccoli, cabbage, cauliflower, radish and canola.	No	Yes	No	N	transport of infested plants or soil	x		

Oregon invasive	Species Cou	INCII TOO VVOISE LISE	with a	Juates		TO and Co	itegorizea	by su a	tegic o	Djectives
			111.1		Native					
		NI .	Health	Econ	habitats	C	D .1	l:	ll:	UI COM
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Agricultural pests that feed								
		on a wide variety of plants;								
		in addition to this direct								
		damage, they allow								
		pathogenic fungi to attack.								
		Can be vec- tors of plant								
terrestrial snails: giant		pathogens. When								
African Achatina		abundant, can clog or								
fulica heath Cernuella		break harvesting								
virgate vineyard		equipment. Can also be								
Theba pisana white		intermediate hosts and					nursery			
garden Xerolenta	Terrestrial	vectors of animal and					stock			
obvia	Invertebrate	human parasites.	Yes	No	Yes	N	material	Х		
		A serious pest of citrus and								
		more than 150 other plants								
		hosts through- out its								
		range; causes direct plant								
		injury by feeding on plants					baggage			
wax scales		and depleting nutrients					from			
Ceroplastes		necessary for growth. May					internation			
destructor, C.	Terrestrial	ultimately impact yield and					al airline			
japonicus	Invertebrate	overall plant health.	No	No	No	N	passengers	?		
							nursery			
							stock			
							material,			
							raw log,			
							firewood			
, , , , , ,		Stingless wasps with a					and solid			
woodwasps (exotic)		complex interaction with a					wood			
Sirex noctilio, Tremex		symbiotic wood- decaying					packaging			
fuscicornis*	Invertebrate	fungus, and the host tree.	No	Yes	Yes	N	material.	Х		

	1	incii 100 vvoist List							<u></u>	
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	l: Prevent	II: EDRR	III: C&M
Asian carp bighead Hypophthalmichthys nobilis silver H.	Category	Can become so abundant that they completely change a river eco- system. A human health hazard: silver carp leap from the	Шрась	mpacts	impacts	Jiatus	Illegal introductio n as sport fish, bait	rievent	LDIKK	III. Caw
molitrix black Mylopharyngodon piceus	Aquatic Vertebrate	water when they hear boat motors and can knock a boater unconscious.	Yes	Yes	Yes	N	fish or aquaria trade	x		
golden shiner Noteigonus crysoleucas	Aquatic Vertebrate	Widely used as bait and as an ornamental and therefore has been transplanted into many areas. In OR, found in Diamond Lake 2008. Eradication has been followed by monitoring.	Yes	Yes	Yes	Eradicated	illegal bait fish		X	
muskellunge, northern pike Esox	Aquatic	A large, opportunist predator fish, found in the upper Columbia River above Roosevelt Dam. Both Northern Pike and Muskellunge are listed as" Prohibited" species in OAR 635-056-0150. Tiger Muskel- lunge are listed a "Controlled" species for Phillips Reservoir only and "Prohibited" anywhere					illegal introductio n or migration from Upper Columbia			
spp.	Vertebrate	else in the state.	Yes	Yes	Yes	Contained	River		Х	

Cregori invasive	Species coe	IIICII 100 VVOISL LISL	with ap	Jaares	Native	TO UTIC CC	itegorizea	by 3tru	tegie o	ojecti veo
			Health	Econ	habitats			l 1:	II:	
Invader	Category	Notes	Impacts	Impacts	Impacts	Status	Pathways	Prevent	EDRR	III: C&M
		Introduced into the Great								
		Lakes, where they have								
round goby		caused signifi- cant economic and ecological								
Neogobius		impacts; able to compete								
melanostomas		with native bottom-					illegal			
Shimofuri goby		dwelling fish and drive					aquaria			
Tridentiger	Aquatic	them from their preferred					trade or			
bifasciatus	Vertebrate	habitat.	No	No	Yes	N	bait fish	X		
		A small fish, reaching 4 to 6 inches in length that was								
		unintentionally introduced								
		into Lake Superior and								
		found there in 1986. It's								
		population is increasing								
		and spreading. It can								
ruffe Gymnocephalus	Aquatic	tolerate a wide range of habitats and ecological					illegal bait			
cernuus	Vertebrate	conditions.	No	Yes	Yes	Ν	fish	×		
		A voracious top-level					-			
		predator, found in muddy								
		or vegetated ponds,								
		swamps, and slow-moving								
		streams. Can breathe air and survive for up to four								
		days out of water; for								
		longer periods of time								
		when burrowed in the								
		mud. They are capable of								
		traveling over land to new					•11			
snakeheads Channa	Aquatic	bodies of water by wriggling their bodies over					illegal sport or			
spp.	Vertebrate	the ground.	No	Yes	Yes	Ν	food fish	×		

0.090					• =•			<i>- - - - - - - - - -</i>	109.00	<i>-</i> ,
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	Status	Pathways	I: Prevent	II: EDRR	III: C&M
threadfin shad Dorosoma petenense	Aquatic	Native to the southeast US, a favorite food for many game fish. Concern exists regarding possible impacts on other fish species with planktonic larvae, such as minnows and suckers; in CA, they have destroyed kokanee fishing in some areas.	No	Yes	Yes	N	illegal bait	×		
feral swine Sus scrofa	Terrestrial	Escaped from domestic swine facilities and intentional releases, feral swine degrade ecosystems through predation and competitive im- pacts on native fauna, grazing on native plants, and physically altering habitats by rooting currently under eradication or restricted to a small area in Oregon.	No	Yes	Yes	Contained	escaped from captivity		×	

- 9					• — •		<u>.</u>		.	,
Invader	Category	Notes	Health Impacts	Econ Impacts	Native habitats Impacts	_	Pathways	l: Prevent	II: EDRR	III: C
		Mute swans exhibit aggression toward other waterfowl and can displace native waterfowl from their nesting and feeding areas by attacking, injuring and even killing other birds. Mute swans are large, conspicuous birds and have little fear of humans and will attack people in watercraft and on shore.					pet store/			
e swan Cygnus	Terrestrial Vertebrate	Mute swans are sold online and in catalogs.	No	Yes	Yes	Contained	aquarium trade		Х	