

Invasive Non-native Species (INNS) – Priority Species for Action in Wales

The purpose of this list is to help prioritise action on invasive non-native species (INNS) in Wales.

The list follows the Convention on Biological Diversity (CBD) three stage hierarchical approach for invasive non-native species (also enshrined in the GB Strategy) prioritising:

- a. Prevention; followed by,
- b. Early detection and rapid response; followed by,
- c. Long term strategic management.

The list takes into account the risk posed by a species (assessment score) and whether or not an effective, strategic and sustainable management is possible based following the CBD hierarchy. These priorities have been informed by horizon scanning, risk analysis (comprising both risk assessment and risk management) and consultation with the WBP INNS Group, GB NNSS, NRW and Welsh Government.

Species are listed as:

1. Prevention priority species - Not in Wales, but likely to arrive. If detected a rapid response would be needed.
2. Management priority species - Present or recently present in the wild in Wales in low numbers or limited isolated populations. To prevent widespread establishment of species eradication is required / feasible / desirable.
3. Long-term management priority species - Species established in Wales where long term management is feasible and beneficial (e.g. protecting key areas, containment, control or mitigation).

Species include:

- GB priorities already agreed by the GB Programme Board for Non-native Species
- Invasive Alien Species of Union Concern.
- Species that are a national priority for Wales, but not covered by the previous points.

The list is a working document and will be reviewed every six months.

1. PREVENTION PRIORITY SPECIES

Not in Wales, but likely to arrive. If detected a rapid response would be needed.

Species name	Common name	Group	Habitat	Justification for selection
<i>Ameiurus melas</i>	Black bullhead	Fish	Freshwater	GB eradication priority
<i>Baccharis halimifolia</i>	Saltbush/Groundsel Tree	Plant	Terrestrial	Invasive Alien Species of Union Concern
<i>Cabomba caroliniana</i>	Fanwort or Carolina water shield	Plant	Freshwater	Invasive Alien Species of Union Concern
<i>Corbicula fluminea</i>	Asian clam	Mollusc	Freshwater	National priority for Wales
<i>Dreissena bugensis</i>	Quagga mussel	Mollusc	Freshwater	National priority for Wales Alert Species RISC Species
<i>Gyrodactylus salaris</i>	A fish parasite	Flatworm	Freshwater	Notifiable disease under Diseases of Fish Act 1937 GB eradication priority
<i>Homarus americanus</i>	American lobster	Crustacean	Marine	National priority for Wales
<i>Lasius neglectus</i>	Invasive garden ant	Insect	Terrestrial	GB eradication priority Alert Species
<i>Lithobates catesbeianus</i>	American bullfrog	Amphibian	Freshwater	GB eradication priority Invasive Alien Species of Union Concern RISC Species
<i>Myiopsitta monachus</i>	Monk parakeet	Bird		GB eradication priority

Species name	Common name	Group	Habitat	Justification for selection
<i>Ocenebra inornata</i>	Asian/Japanese oyster drill	Mollusc	Marine	National priority for Wales
<i>Orconectes limosus</i>	Eastern Crayfish	Invertebrate	Freshwater	Invasive Alien Species of Union Concern
<i>Orconectes virilis</i>	Virile crayfish	Invertebrate	Freshwater	Invasive Alien Species of Union Concern
<i>Procambarus clarkii</i>	Red swamp crayfish	Invertebrate	Freshwater	Invasive Alien Species of Union Concern
<i>Rapana venosa</i>	Asian rapa whelk	Mollusc	Marine	National priority for Wales Ballast Water Regulations
<i>Tamias sibiricus</i>	Siberian chipmunk	Mammal	Terrestrial	Invasive Alien Species of Union Concern
<i>Threskiornis aethiopicus</i>	Sacred Ibis	Bird		Invasive Alien Species of Union Concern
<i>Urosalpinx cinera</i>	American oyster drill	Mollusc	Marine	National priority for Wales
<i>Vespa velutina</i>	Asian hornet	Insect		Invasive Alien Species of Union Concern Alert Species RISC Species
<i>Xenopus laevis</i>	African clawed toad/frog	Amphibian	Freshwater	GB eradication priority

2. MANAGEMENT PRIORITY SPECIES

Present or recently present in the wild in Wales in low numbers or limited isolated populations. To prevent widespread establishment of species eradication is required / feasible / desirable.

Species name	Common name	Group	Habitat	Justification for selection
<i>Acaena novae-zelandiae</i>	Pirri-pirri bur	Plant	Terrestrial	National priority for Wales
<i>Carpobrotus edulis</i>	Hottentot fig	Plant	Terrestrial	National priority for Wales
<i>Cervus nippon</i>	Sika deer	Mammal	Terrestrial	National priority for Wales
<i>Disphyma crassifolium</i>	Purple dewplant	Plant	Terrestrial	National priority for Wales
<i>Hydrocotyle ranunculoides</i>	Floating pennywort	Plant	Freshwater	Invasive Alien Species of Union Concern RISC Species
<i>Ludwigia grandiflora</i>	Water primrose	Plant	Freshwater	Invasive Alien Species of Union Concern Alert species GB eradication priority
<i>Mesotriton alpestris</i>	Alpine newt	Amphibian	Freshwater	National priority for Wales
<i>Oxyura jamaicensis</i>	Ruddy duck	Bird		Invasive Alien Species of Union Concern GB eradication priority
<i>Pseudorasbora parva</i>	Topmouth gudgeon	Fish	Freshwater	Invasive Alien Species of Union Concern GB eradication priority
<i>Sarracenia purpurea</i>	Pitcher plant	Plant	Terrestrial	National priority for Wales

Species name	Common name	Group	Habitat	Justification for selection
<i>Zamensis longissimus</i>	Aesculapian snake	Reptile	Terrestrial	National priority for Wales

3. LONG-TERM MANAGEMENT PRIORITY SPECIES

Species established in Wales where long term management is feasible and beneficial (e.g. protecting key areas, containment, control or mitigation).

Species	Common name	Group	Habitat	Justification
<i>Didemnum vexillum</i>	Carpet seasquirt	Tunicate	Marine	Alert Species
<i>Dikerogammarus villosus</i> / <i>Dikerogammarus haemobaphes</i>	Killer shrimp / Demon shrimp	Crustacean	Freshwater	Alert Species Daisie 100 RISC Species
<i>Eriocheir sinensis</i>	Chinese mitten crab		Marine	Invasive Alien Species of Union Concern RISC Species
<i>Fallopia japonica</i>	Japanese knotweed	Plant	Terrestrial	National Priority for Wales
<i>Heracleum mantegazzianum</i>	Giant hogweed	Plant	Terrestrial	DAISIE top 100
<i>Hippophae rhamnoides</i>	Sea buckthorn	Plant	Terrestrial	National Priority for Wales
<i>Impatiens glandulifera</i>	Himalayan balsam	Plant	Terrestrial	DAISIE top 100 RISC Species
<i>Lagarosiphon major</i>	Curly waterweed	Plant	Freshwater	Invasive Alien Species of Union Concern

Species	Common name	Group	Habitat	Justification
<i>Lysichiton americanus</i>	Skunk cabbage	Plant	Freshwater	Invasive Alien Species of Union Concern RISC Species
<i>Muntiacus reevesi</i>	Reeves's munjac	Mammal	Terrestrial	Invasive Alien Species of Union Concern RISC Species
<i>Myriophyllum aquaticum / brasiliense</i>	Parrot's feather	Plant	Freshwater	Invasive Alien Species of Union Concern
<i>Pacifastacus leniusculus</i>	Signal crayfish		Freshwater	Invasive Alien Species of Union Concern RISC Species
<i>Rhododendron ponticum (& hybrids)</i>		Plant	Terrestrial	DAISIE top 100
<i>Rosa rugosa</i>	Japanese rose	Plant	Terrestrial	DAISIE top 100
<i>Sciurus carolinensis</i>	Grey squirrel	Mammal	Terrestrial	Invasive Alien Species of Union Concern
<i>Tiostrea lutaria</i>	New Zealand oyster	Mollusc	Marine	National Priority for Wales