

Advanced Datasheet search syntax crib sheet

Listed below are specific expert search phrases that can be added to any search

You can search for information on:

1. Species Distribution
(total distribution, native distribution, invasive range, introduced distribution)
2. Hosts
3. Pathway / Vectors
4. Habitat
5. Risk & Impact Factors

Please remember when building your search to place all Boolean operators in uppercase e.g.

AND, OR, NOT

When anything is listed below in **"quotes"** please make sure these are included in your search

Brackets () can also be used to instruct the search engine in the order a search is performed.

The Advanced Datasheet search returns **FULL datasheets**

1. Species Distribution

There are a number of approaches that can be taken to search for a species/animal disease location. **Please use the syntax and quotes** when completing your search, **replacing any red text** below with the country in question. Please see the following pages for the countries and regions that are searchable.

- a) All distribution = "country" – this covers all of the options below, showing where a species is present. This also takes advantage of our up-posting of states/regions to the parent country.
- b) Geographical Distribution = "GEO country" – whether a species is present in a country or not, this is the most complete specialist Geographical search
- c) Native distribution = "NAT country" – the reported native range of a species
- d) Introduced distribution = "INT country" – any countries reported to have had an introduction of that species/disease.
- e) Invasive range = "INV country" – whether the species is recorded as being invasive in a country or not

1. DISTRIBUTION search terms – please include the syntax and quotes required as given above

Asia			
Afghanistan	China continued...	India continued ...	Jordan
Armenia	Qinghai	Lakshadweep	Kazakhstan
Azerbaijan	Shaanxi	Madhya Pradesh	Korea, DPR
Bahrain	Shandong	Maharashtra	Korea, Rep
Bangladesh	Shanghai	Manipur	Kuwait
Bhutan	Shanxi	Meghalaya	Kyrgyzstan
Brunei Darussalam	Sichuan	Mizoram	Laos
Cambodia	Tianjin	Nagaland	Lebanon
Chagos Archipelago	Xinjiang	Orissa	Malaysia
Christmas Island	Xizang (Tibet)	Punjab	Peninsular Malaysia
Cocos	Yunnan	Rajasthan	Sabah
China	Zhejiang	Sikkim	Sarawak
Anhui	East Timor	Tamil Nadu	Maldives
Beijing	Georgia	Tripura	Mongolia
Chongqing	India	Uttaranchal	Myanmar (Burma)
Fujian	Andaman and Nicobar Is	Uttar Pradesh	Nepal
Gansu	Andhra Pradesh	West Bengal	Oman
Guangdong	Arunachal Pradesh	Indonesia	Pakistan
Guangxi	Assam	Bali, Nusa Tenggara, Lesser Sunda Islands, Lombok, Madura, W. Timor	Philippines
Guizhou	Bihar	Irian Jaya	Qatar
Hainan	Chandigarh	Java	Saudi Arabia
Hebei	Chhattisgarh	Kalimantan	Singapore
Heilongjiang	Dadra and Nagar Haveli	Maluku (Moluccas)	Sri Lanka
Henan	Daman	Sulawesi	Syria
Hong Kong	Delhi	Sumatra	Taiwan
Hubei	Diu	Iran	Tajikistan
Hunan	Goa	Iraq	Thailand
Jiangsu	Gujarat	Israel	Turkey
Jiangxi	Haryana	Japan	Turkmenistan
Jilin	Himachal Pradesh	Hokkaido	United Arab Emirates
Liaoning	Jammu and Kashmir	Honshu	Uzbekistan
Macau	Jharkand	Kyushu	Vietnam
Nei Menggu	Karnataka	Okinawa/Ryukyu	Yemen
Ningxia	Kerala	Shikoku	
Africa			
Aldabra	Djibouti	Mali	Sierra Leone
Algeria	Egypt	Mauritania	Somalia
Angola	Equatorial Guinea	Mauritius	South Africa
Benin	Eritrea	Mayotte	Sudan
Botswana	Ethiopia	Morocco	Swaziland
Burkina Faso	Gabon	Mozambique	Tanzania
Burundi	Gambia	Namibia	Togo
Cameroon	Ghana	Niger	Tunisia
Cape Verde	Guinea	Nigeria	Uganda
Central African Republic	Guinea-Bissau	Reunion	Western Sahara
Chad	Kenya	Rodrigues	Zambia
Comoros	Lesotho	Rwanda	Zanzibar
Congo	Liberia	St Helena	Zimbabwe
Congo Democratic Republic (Zaire)	Libya	Sao Tome & Principe	
Cote d'Ivoire	Madagascar	Senegal	
Crozet Islands	Malawi	Seychelles	

1. DISTRIBUTION search terms continued			
North America			
Canada	USA		
Alberta	Alabama	Kentucky	North Dakota
British Columbia	Alaska	Louisiana	Ohio
Manitoba	Arizona	Maine	Oklahoma
New Brunswick	Arkansas	Maryland	Oregon
Newfoundland	California	Massachusetts	Pennsylvania
Northwest Territories	Colorado	Michigan	Rhode Island
Nova Scotia	Connecticut	Minnesota	South Carolina
Ontario	Delaware	Mississippi	South Dakota
Nunavut	Florida	Missouri	Tennessee
Prince Edward Island	Georgia	Montana	Texas
Quebec	Hawaii	Nebraska	Utah
Saskatchewan	Idaho	Nevada	Vermont
Yukon Territory	Illinois	New Hampshire	Virginia
Greenland	Indiana	New Jersey	Washington
Mexico	Iowa	New Mexico	West Virginia
St Pierre Miquelon	Kansas	New York	Wisconsin
		North Carolina	Wyoming
Central America & The Caribbean			
Anguilla	Costa Rica	Haiti	St Kitts-Nevis
Antigua Barbuda	Cuba	Honduras	St Lucia
Aruba	Curacao	Jamaica	St Vincent Grenadines
Bahamas	Dominica	Martinique	Trinidad Tobago
Barbados	Dominican Republic	Montserrat	Turks Caicos Islands
Belize	El Salvador	Netherlands Antilles	US Virgin Islands
Bermuda	Grenada	Nicaragua	
British Virgin Islands	Guadeloupe	Panama	
Cayman Islands	Guatemala	Puerto Rico	
South America			
Argentina	Goiás	Rio Grande do Norte	Ecuador
Bolivia	Maranhao	Rio Grande do Sul	Falkland Islands
Brazil	Mato Grosso	Rondonia	French Guiana
Acre	Mato Grosso do Sul	Roraima	Guyana
Alagoas	Minas Gerais	Santa Catarina	Paraguay
Amapa	Para	Sao Paulo	Peru
Amazonas	Paraiba	Sergipe	South Georgia Sandwich
Bahia	Parana	Tocantins	Suriname
Ceara	Pernambuco	Chile	Uruguay
Espirito Santo	Piaui	Coloumbia	Venezuela
Fernando de Noronha	Rio de Janeiro	Easter Island	
Oceania			
American Samoa	Canton Enderbury Is	Marshall Islands	Pitcairn
Australia	Cook Islands	Nauru	Samoa - this is for western
New South Wales	Federated States of Micronesia	New Caledonia	Solomon Islands
Northern Territory	Fiji	New Zealand	Tokelau
Queensland	French Polynesia	Niue	US Minor Outlying Is
South Australia	Guam	Norfolk Island	Vanuata
Tasmania	Heard Macdonald Islands	Northern Mariana Is	Wake Island
Victoria	Johnston Island	Palau	Wallis Futuna Is
Western Australia	Kiribati	Papua New Guinea	

1. DISTRIBUTION search terms continued			
Europe			
Albania	Denmark	Macedonia	Russia continued ...
Andorra	Estonia	Madeira	Eastern Siberia
Austria	Faroe Islands	Malta	Far East
Azores	Finland	Moldova	San Marino
Balearic Islands	France	Montenegro	Serbia
Belarus	Germany	Monaco	Slovakia
Belgium	Gibraltar	Netherlands	Slovenia
Bosnia-Herzegovina	Greece	Norway	Spain
Bulgaria	Hungary	Poland	Svalbard Jan Mayen Islands
Canary Islands	Iceland	Portugal	Sweden
Channel Islands	Ireland	Romania	Switzerland
Corsica	Italy	Russia	Ukraine
Croatia	Latvia	Northern Russia	United Kingdom
Cyprus	Liechtenstein	Central Russia	Yugoslavia
Former Czechoslovakia	Lithuania	Southern Russia	
Czech Republic	Luxembourg	Western Siberia	

2. HOST search

To search for the invasive species and animal diseases that are associated with a certain host, use the syntax "HOS **scientific name**"

e.g. "HOS *Abies alba*"

This search returns all the full datasheets reported present on, or associated with the host species *Abies alba* (European Silver Fir)

3. PATHWAY / VECTOR – How is the species transported/spread the entire phrase including the quotes is required	
Aircraft	Livestock
Aquaculture stock	Luggage
Bait	"Machinery/equipment"
"Bulk freight/cargo"	"Mail/post"
"Clothing/footwear and possessions"	"Mulch/straw/baskets/sod"
Consumables	"Pets and aquarium species"
"Containers and packaging"	"Ship ballast water"
"Debris and waste" - this is associated with human activities	"Ship bilge water"
"Floating vegetation/debris"	"Ship/boat structures" - above the water line/holds & cabins
Germplasm - e.g. plant collections etc.	"Ship/boat hull fouling"
"Hides/trophies/ feathers"	"Soil, sand, gravel"
"Land vehicles"	Water
"Live seafood"	Wind

4. HABITAT search terms – the entire phrase including the quotes is required	
The categories in bold contain all the individual habitats listed below them.	
"HAB Terrestrial-managed"	"HAB Littoral, Mangroves"
"HAB Terrestrial-managed, Cultivated / agricultural land"	"HAB Littoral, Mud flats"
"HAB Terrestrial-managed, Protected agriculture"	"HAB Littoral, Intertidal zone"
"HAB Terrestrial-managed, Managed forests, plantations and orchards"	"HAB Littoral, Salt marshes"
"HAB Terrestrial-managed, Managed grasslands"	"HAB Freshwater"
"HAB Terrestrial-managed, Industrial / intensive livestock production systems"	"HAB Freshwater, Irrigation channels"
"HAB Terrestrial-managed, Disturbed areas"	"HAB Freshwater, Lakes"
"HAB Terrestrial-managed, Rail/roadsides"	"HAB Freshwater, Reservoirs"
"HAB Terrestrial-managed, Urban"	"HAB Freshwater, Rivers/streams"
"HAB Terrestrial-managed, Buildings"	"HAB Freshwater, Ponds"
"HAB Terrestrial-natural / semi-natural"	"HAB Brackish"
"HAB Terrestrial-natural / semi-natural, Natural forests"	"HAB Brackish, Estuaries"
"HAB Terrestrial-natural / semi-natural, Natural grasslands"	"HAB Brackish, Lagoons"
"HAB Terrestrial-natural / semi-natural, Riverbanks"	"HAB Brackish, Inland saline areas"
"HAB Terrestrial-natural / semi-natural, Wetlands"	"HAB Marine"
"HAB Terrestrial-natural / semi-natural, Cold lands / tundra"	"HAB Marine, Inshore marine"
"HAB Terrestrial-natural / semi-natural, Land caves"	"HAB Marine, Coral reefs"
"HAB Terrestrial-natural / semi-natural, Rocky areas / lava flows"	"HAB Marine, Pelagic zone"
"HAB Terrestrial-natural / semi-natural, Scrub / shrublands"	"HAB Marine, Benthic zone"
"HAB Terrestrial-natural / semi-natural, Deserts"	"HAB Marine, Sea caves"
"HAB Terrestrial-natural / semi-natural, Arid regions"	"HAB Other"
"HAB Littoral"	"HAB Other, Vector"
"HAB Littoral, Coastal areas"	"HAB Other, Stored products"
"HAB Littoral, Coastal dunes"	"HAB Other, Soil"

5. RISK & IMPACT FACTORS – the entire phrase including the quotes is required	
INVASIVENESS search terms	
"invasive in its native range"	"highly mobile locally"
"proved invasive outside its native range"	"benefit from human association"
"broad native range"	"long lived"
"abundant in its native range"	"fast growing"
"highly adaptable to different environments"	"high reproductive potential"
"habitat generalist"	gregarious
"tolerate" - finds species that tolerate/benefit from: competition, cultivation, browsing pressure, fire	"reproduce asexually"
"pioneering in disturbed areas"	"high genetic variability"
"tolerant of shade"	polyphagous
IMPACT OUTCOMES search terms	
"Altered trophic level"	"Negatively impacts agriculture"
"Changed gene pool"	"Negatively impacts animal/plant collections"
Conflict	"Negatively impacts animal health"
"Damages animal/plant products"	"Negatively impacts aquaculture/fisheries"
"Damaged ecosystem services"	"Negatively impacts cultural/traditional practices"
"Ecosystem change/ habitat alteration"	"Negatively impacts forestry"
"Host damage"	"Negatively impacts human health"
"Increases vulnerability to invasions"	"Negatively impacts livelihoods"
"Infrastructure damage"	"Negatively impacts tourism"
"Loss of medicinal resources"	"Negatively impacts trade/international relations"
"Modification of fire regime"	"Reduced amenity values"
"Modification of hydrology"	"Reduced native biodiversity"
"Modification of natural benthic communities"	"Soil accretion"
"Modification of nutrient regime"	"Threat to/ loss of endangered species"
"Modification of successional patterns"	"Threat to/ loss of native species"
"Monoculture formation"	"Transportation disruption"
IMPACT MECHANISMS search terms	
Allelopathic	"Interaction with other invasive species"
Antagonistic	Parasitism
"Causes allergic responses"	Pathogenic
"Competition shading"	"Pest and disease transmission"
"Competition smothering"	Poisoning
"Competition strangling"	"Pollen swamping"
"Competition other"	Predation
Filtration	"Produces spines, thorns or burrs"
Fouling	"Rapid growth"
"Herbivory/grazing/browsing"	Rooting
Hybridization	Trampling
"Induces hypersensitivity"	
LIKELIHOOD OF ENTRY/CONTROL search terms	
"transported internationally"	"difficult to identify / detect as a commodity contaminant"
"transported internationally" AND accidentally	"difficult to identify / detect in the field"
"transported internationally" AND deliberately	"difficult / costly to control"
"transported internationally" AND illegally	