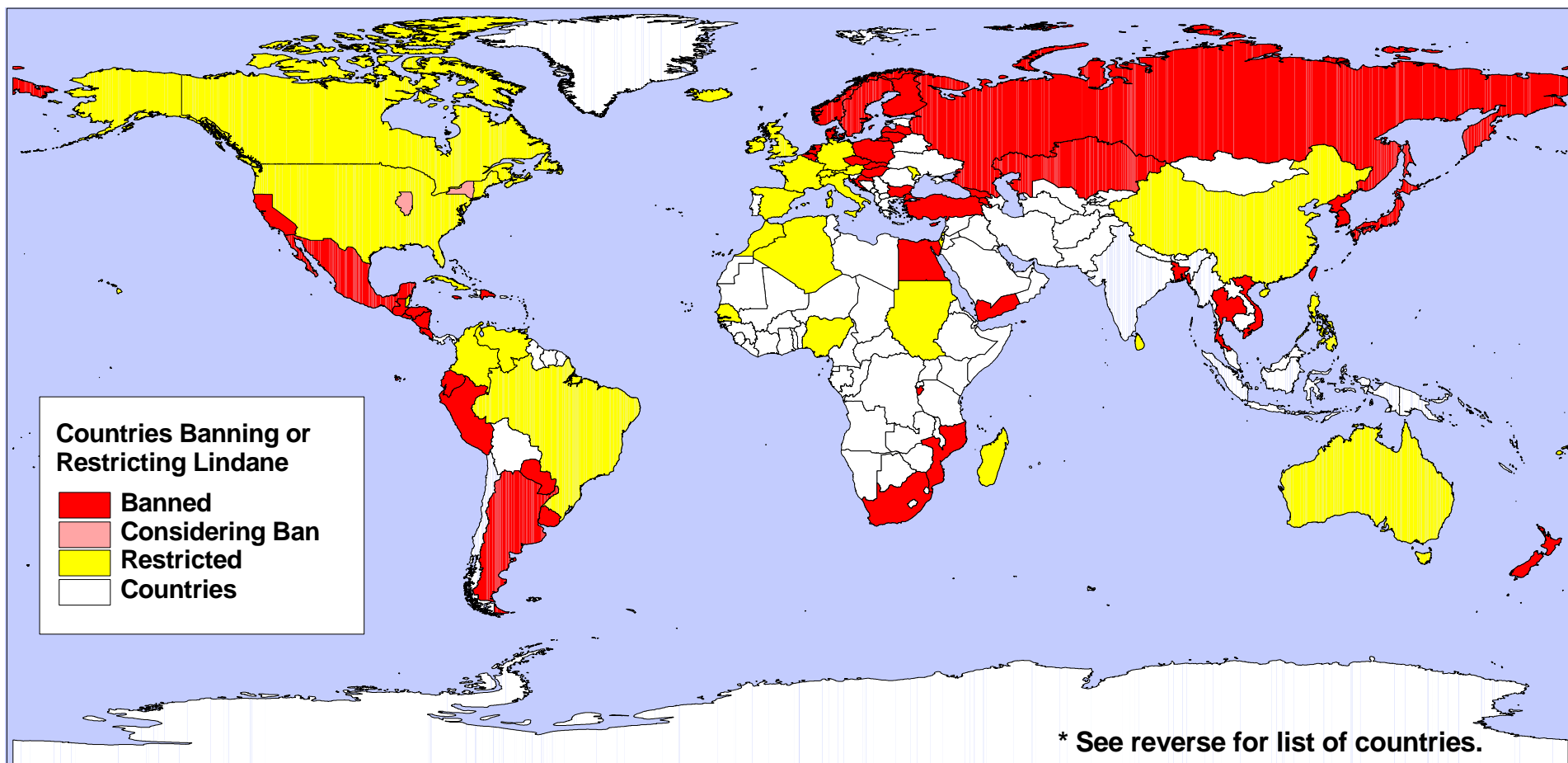


## More than 50 Countries Have Banned and 30 Restrict the Use of Lindane\*



Lindane is a highly toxic, antiquated pesticide that can cause seizures, brain tumors, damage to the nervous system, and can weaken the immune system. Case-controlled research shows a significant association between brain tumors in children and the use of lindane-containing lice shampoos. The insecticide is also a suspected carcinogen and hormone disruptor. Lindane and its breakdown products persist in the environment, where they can expose people and wildlife long after the pesticide is applied. A 2003 study from the U.S. Centers for Disease Control and Prevention found that 62% of U.S. residents sampled carry the insecticide in their body, and the highest levels are found among women of childbearing age.

In addition to agricultural uses, the Food and Drug Administration continues to approve use of this dangerous insecticide in shampoos and lotions for control of lice and scabies. These pharmaceutical uses are also approved in Canada. Given that elementary schools are frequently plagued with infestations of head lice and children are known to be particularly vulnerable to lindane's toxic effects, approval of this neurotoxin for head lice is especially risky. Use of these products on young children appears to be continuing despite new labeling required by FDA warning of the dangers of lindane use.

## Countries That Have Banned Or Restricted Used Of Lindane

### Banned

Argentina  
Armenia  
Bangladesh  
Barbados  
Belgium  
Bulgaria  
Burundi  
Costa Rica  
Croatia  
Cyprus  
Czech Republic  
Denmark  
Dominican Republic  
Ecuador  
Egypt  
El Salvador  
Finland  
Gambia  
Georgia  
Guatemala  
Honduras  
Hong Kong  
Hungary  
Jamaica  
Japan  
Kazakhstan  
Korea, Dem. Rep  
Korea, Rep  
Lativa  
Liechtenstein  
Lithuania  
Mexico  
Mozambique  
Netherlands  
New Zealand  
Nicaragua  
Norway  
Paraguay  
Peru

Poland  
Russia  
Singapore  
Slovakia  
South Africa  
St Lucia  
Sweden  
Taiwan  
Thailand  
Tonga  
Turkey  
Uruguay  
Vietnam  
Yemen

### States Within U.S. California\*

### Restricted

Algeria  
Australia  
Austria  
Belize  
Brazil  
Canada  
China  
Colombia  
Cuba  
European Community  
Fiji  
France  
Germany  
Iceland  
Ireland  
Israel  
Italy  
Madagascar  
Moldova  
Morocco  
Nigeria  
Philippines  
Samoa  
Senegal  
Spain  
Sri Lanka  
Sudan  
Switzerland  
Trinidad/Tobago  
United Kingdom  
USA  
Venezuela  
Yugoslavia

*\* California's ban of pharmaceutical uses of lindane took effect in December 2001, and withdrawal of the only agricultural lindane product registered for use in the state was announced in March 2005.*